

No.	Title	Author	Source	Volume	Issue	Page start	Page end	Year	Impact-Factor	DOI	Link	Open Access	HGF-Programme
1	Numerical study of rolling process on the plastic strain distribution in wire + arc additive manufactured Ti-6Al-4V	Abbaszadeh M., Hönnige J., Martina F., Kashaev N., Williams S.W., Klusemann B.,	AIP Conference Proceedings	2113				2019	Proceeding	10.1063/1.5112695	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068836241&amp;doi=10.1063%2f1.5112695&amp;partnerID=40&amp;md5=cc69223ecfa0fdea7235e10a3e8c023c">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068836241&amp;doi=10.1063%2f1.5112695&amp;partnerID=40&amp;md5=cc69223ecfa0fdea7235e10a3e8c023c</a>		AEM
2	Numerical Investigation of the Effect of Rolling on the Localized Stress and Strain Induction for Wire + Arc Additive Manufactured Structures	Abbaszadeh M., Hönnige J., Martina F., Neto L., Kashaev N., Colegrove, P. Williams S.W., Klusemann B.,	Journal of Materials Engineering and Performance	28	8	4931	4942	2019	1,476	10.1007/s11665-019-04249-y	<a href="https://www.scopus.com/record/display.uri?eid=2-s2.0-85070945065&amp;origin=resultslist&amp;ort=ifp-t&amp;src=s&amp;sid=3381ef6a013f4c97c8f89df48206350b&amp;sot=a&amp;sdt=cl&amp;cluser=scopusbyr%2c%222020%22%2cf&amp;sessionSearchId=3381ef6a013f4c97c8f89df48206350b&amp;relpos=0&amp;citeCnt=0">https://www.scopus.com/record/display.uri?eid=2-s2.0-85070945065&amp;origin=resultslist&amp;ort=ifp-t&amp;src=s&amp;sid=3381ef6a013f4c97c8f89df48206350b&amp;sot=a&amp;sdt=cl&amp;cluser=scopusbyr%2c%222020%22%2cf&amp;sessionSearchId=3381ef6a013f4c97c8f89df48206350b&amp;relpos=0&amp;citeCnt=0</a>	OC	AEM
3	Functional Macromolecular Systems: Kinetic Pathways to Obtain Tailored Structures	Abetz V., Kremer K., Müller M., Reiter G.,	Macromolecular Chemistry and Physics	220	2	1800334		2019	2,622	10.1002/macp.201800334	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85056176199&amp;doi=10.1002%2fmacp.201800334&amp;partnerID=40&amp;md5=af6aa725984cdd604f4d4d7797e6ffef">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85056176199&amp;doi=10.1002%2fmacp.201800334&amp;partnerID=40&amp;md5=af6aa725984cdd604f4d4d7797e6ffef</a>	Other Gold	AEM/MML
4	In Honor of Reimund Stadler	Abetz V., Loos K.	Macromolecular Chemistry and Physics	220	20	1900370		2019	2,622	10.1002/macp.201900370	<a href="https://doi.org/10.1002/macp.201900370">https://doi.org/10.1002/macp.201900370</a>	OA	AEM
5	Application of response surface methodology for optimization of hybrid friction diffusion bonding of tube-to-tube-sheet connections in coil-wound heat exchangers	Alba D.R., Roos A., Wimmer G., Gonzalez A.R., Hanke S., Santos J.F.D.,	Journal of Materials Research and Technology	8	2	1701	1711	2019	3,327	10.1016/j.jmrt.2018.11.012	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85060004220&amp;doi=10.1016%2fj.jmrt.2018.11.012&amp;partnerID=40&amp;md5=85cb75a6d95100dff0048293e29309f7">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85060004220&amp;doi=10.1016%2fj.jmrt.2018.11.012&amp;partnerID=40&amp;md5=85cb75a6d95100dff0048293e29309f7</a>	DOAJ Gold	AEM
6	Structural Characterization of Graphene Oxide: Surface Functional Groups and Fractionated Oxidative Debris	Aliyev E., Filiz V., Khan M.M., Lee Y.J., Abetz C., Abetz V.	Nanomaterials	9	8	1180		2019	2,233	10.3390/nano9081180	<a href="https://doi.org/10.3390/nano9081180">https://doi.org/10.3390/nano9081180</a>	OA	AEM
7	Development of laser straightening (LS) strategies to remove distortion in welded aeronautical structures	Álvarez P., Escibano R., Zubiri F., Fomin F., Kashaev N., Bauer S.,	AIP Conference Proceedings	2113				2019	Proceeding	10.1063/1.5112608	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068840271&amp;doi=10.1063%2f1.5112608&amp;partnerID=40&amp;md5=852f93162f61045eb4e417e536b3aa2b">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068840271&amp;doi=10.1063%2f1.5112608&amp;partnerID=40&amp;md5=852f93162f61045eb4e417e536b3aa2b</a>		AEM
8	Growth and remodelling of living tissues: perspectives, challenges and opportunities	Ambrosi, D., Ben Amar, M., Cyron, C.J., DeSimone, A., Goriely, A., Humphrey, J., Kuhl, E.	Journal of the Royal Society Interface	16	157			2019	3,224	10.1098/rsif.2019.0233	<a href="http://apps.webofknowledge.com/full_record.do?product=UA&amp;search_mode=AdvancedSearch&amp;qid=6&amp;SID=C3JrghMc18TteDvIDZL&amp;page=1&amp;doc=3">http://apps.webofknowledge.com/full_record.do?product=UA&amp;search_mode=AdvancedSearch&amp;qid=6&amp;SID=C3JrghMc18TteDvIDZL&amp;page=1&amp;doc=3</a>		AEM
9	Corrosion behavior of metal-composite hybrid joints: Influence of precipitation state and bonding zones	André N.M., Bouali A., Maawad E., Staron P., Santos J.F.D., Zheludkevich M.L., Amancio-Filho S.T.,	Corrosion Science	158				2019	6,355	10.1016/j.corsci.2019.07.002	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068699043&amp;doi=10.1016%2fj.corsci.2019.07.002&amp;partnerID=40&amp;md5=c3826bcd6b26d36336b3c2a482df28a2">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068699043&amp;doi=10.1016%2fj.corsci.2019.07.002&amp;partnerID=40&amp;md5=c3826bcd6b26d36336b3c2a482df28a2</a>		AEM/MML
10	Evaluation of joint formation and mechanical performance of the AA7075-T6/CFRP spot joints produced by frictional heat	André N.M., dos Santos J.F., Amancio-Filho S.T.,	Materials	16	6	891		2019	2,972	10.3390/ma12060891	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063432469&amp;doi=10.3390%2fma12060891&amp;partnerID=40&amp;md5=dfdaeb8f139345a04453f5c1bf7596f">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063432469&amp;doi=10.3390%2fma12060891&amp;partnerID=40&amp;md5=dfdaeb8f139345a04453f5c1bf7596f</a>	DOAJ Gold, Green Published	AEM

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11	Cytotoxicity of biodegradable magnesium alloy WE43 to tumor cells in vitro: Bioresorbable implants with antitumor activity?	Anisimova N., Kiselevskiy M., Martynenko N., Straumal B., Willumeit-Römer R., Dobatkin S., Estrin Y.,	Journal of Biomedical Materials Research - Part B Applied Biomaterials					2019	2,674	10.1002/jbm.b.34375	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063993277&amp;doi=10.1002%2fjbm.b.34375&amp;partnerID=40&amp;md5=f8be4cda2018515899ba64e06e49cb3f">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063993277&amp;doi=10.1002%2fjbm.b.34375&amp;partnerID=40&amp;md5=f8be4cda2018515899ba64e06e49cb3f</a>		AEM
12	Fluence thresholds for grazing incidence hard x-ray mirrors	Aquila, A; Sobierajski, R; Ozkan, C; Hajkova, V; Burian, T; Chalupsky, J; Juha, L; Störmer, M; Bajt, S; Klepka, MT; Dluzewski, P; Morawiec, K; Ohashi, H; Koyama, T; Tono, K; Inubushi, Y; Yabashi, M; Sinn, H; Tschentscher, T; Mancuso, AP; Gaudin, J	APPLIED PHYSICS LETTERS	115	5	59901		2019	3,521	10.1063/1.5114937		Bronze	AEM
13	Comment on 'Adiabatic shear instability is not necessary for adhesion in cold spray'	Assadi H., Gärtner F., Klassen T., Kreye H.,	Scripta Materialia	162		512	514	2019	4,539	10.1016/j.scriptamat.2018.10.036	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85059850453&amp;doi=10.1016%2fj.scriptamat.2018.10.036&amp;partnerID=40&amp;md5=7b120938837cdcfae58bb18fc8eed11d">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85059850453&amp;doi=10.1016%2fj.scriptamat.2018.10.036&amp;partnerID=40&amp;md5=7b120938837cdcfae58bb18fc8eed11d</a>		AEM
14	The wear characteristics of CeO2 containing nanocomposite coating made by aluminate-based PEO on AM 50 magnesium alloy	Atapour M., Blawert C., Zheludkevich M.L.,	Surface and Coatings Technology	357		626	637	2019	3,192	10.1016/j.surfcoat.2018.10.033	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85055541152&amp;doi=10.1016%2fj.surfcoat.2018.10.033&amp;partnerID=40&amp;md5=2c6f549f41814c2de23bb7258e69f8c8">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85055541152&amp;doi=10.1016%2fj.surfcoat.2018.10.033&amp;partnerID=40&amp;md5=2c6f549f41814c2de23bb7258e69f8c8</a>		AEM
15	General multi-fidelity framework for training artificial neural networks with computational models	Aydin R.C., Braeu F.A., Cyron C.J.,	Frontiers in Materials	6				2019	2,689	10.3389/fmats.2019.00061	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85067395457&amp;doi=10.3389%2ffmats.2019.00061&amp;partnerID=40&amp;md5=cb324b3c1d5f36edecaf2f6df33bf9ec">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85067395457&amp;doi=10.3389%2ffmats.2019.00061&amp;partnerID=40&amp;md5=cb324b3c1d5f36edecaf2f6df33bf9ec</a>	DOAJ Gold, Green Published	AEM
16	High strength nanocrystalline Cu-Co alloys with high tensile ductility	Bachmaier A., Rathmayr G.B., Schmauch J., Schell N., Stark A., De Jonge N., Pippan R.,	Journal of Materials Research	34	1	58	68	2019	1,982	10.1557/jmr.2018.185	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85055247722&amp;doi=10.1557%2fjmr.2018.185&amp;partnerID=40&amp;md5=693b74d7c99c728ec090da1584c87017">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85055247722&amp;doi=10.1557%2fjmr.2018.185&amp;partnerID=40&amp;md5=693b74d7c99c728ec090da1584c87017</a>	Green Published, Other Gold	AEM/MML
17	Synthesis and self-assembly of biobased poly(limonene carbonate)-: Block - poly(cyclohexene carbonate) diblock copolymers prepared by sequential ring-opening copolymerization	Bailler J., Feth S., Bretschneider F., Rosenfeldt S., Drechsler M., Abetz V., Schmalz H., Greiner A.,	Green Chemistry	21	9	2266	2272	2019	9,405	10.1039/c9gc00250b	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065570429&amp;doi=10.1039%2fc9gc00250b&amp;partnerID=40&amp;md5=e1e7d24b967b14dc71406a7b36602df6">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065570429&amp;doi=10.1039%2fc9gc00250b&amp;partnerID=40&amp;md5=e1e7d24b967b14dc71406a7b36602df6</a>		AEM
18	Cold gas spraying of Ti-48Al-2Cr-2Nb intermetallic for jet engine applications	Bakan E., Mauer G., Sohn Y.J., Schwedt A., Rackel M.W., Riedlberger F., Pyczak F., Peters J.O., Mecklenburg M., Gärtner T.M., Vaßen R.,	Surface and Coatings Technology	371		203	210	2019	3,192	10.1016/j.surfcoat.2018.11.092	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85057858492&amp;doi=10.1016%2fj.surfcoat.2018.11.092&amp;partnerID=40&amp;md5=66357487899c737f99d3ce660be35439">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85057858492&amp;doi=10.1016%2fj.surfcoat.2018.11.092&amp;partnerID=40&amp;md5=66357487899c737f99d3ce660be35439</a>		AEM
19	Ferrite recrystallization and austenite formation during annealing of cold-rolled advanced high-strength steels: In situ synchrotron X-ray diffraction and modeling	Bellavoine M., Dumont M., Dehmas M., Stark A., Schell N., Drillet J., Hébert V., Maugis P.,	Materials Characterization	154		20	30	2019	3,22	10.1016/j.matchar.2019.05.020	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85066295802&amp;doi=10.1016%2fj.matchar.2019.05.020&amp;partnerID=40&amp;md5=e762198bc5037e10ad49749b39456615">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85066295802&amp;doi=10.1016%2fj.matchar.2019.05.020&amp;partnerID=40&amp;md5=e762198bc5037e10ad49749b39456615</a>		AEM/MML

No.	Title	Author	Source	Volume	Issue	Page start	Page end	Year	Impact-Factor	DOI	Link	Open Access	HGF-Programme
20	Application of hydrides in hydrogen storage and compression: Achievements, outlook and perspectives	Bellosta von Colbe J., Ares J.R., Barale J., Baricco M., Buckley C., Capurso G., Gallandat N., Grant D.M., Guzik M.N., Jacob I., Jensen E.H., Jensen T.R., Jepsen J., Klassen T., Lototsky M.V., Manickam K., Montone A., Puzkiel J., Sartori S., Sheppard D.A., Stuart A., Walker G., Webb C.J., Yang H., Yartys V., Züttel A., Dornheim M.	International Journal of Hydrogen Energy	44	15	7780	7808	2019	4,229	10.1016/j.ijhydene.2019.01.104	<a href="https://www.scopus.com/record/display.uri?eid=2-s2.0-85061363858&amp;origin=resultslist&amp;sort=plf-if&amp;src=s&amp;st1=Bellosta+von+Colbe&amp;st2=&amp;sid=446534b518ac64402e8bf7b4bcaf01b1&amp;sort=b&amp;sd=b&amp;sl=31&amp;s=AUTHOR-NAME%28Bellosta+von+Colbe%29&amp;relpos=1&amp;citeCnt=27&amp;searchTerm=">https://www.scopus.com/record/display.uri?eid=2-s2.0-85061363858&amp;origin=resultslist&amp;sort=plf-if&amp;src=s&amp;st1=Bellosta+von+Colbe&amp;st2=&amp;sid=446534b518ac64402e8bf7b4bcaf01b1&amp;sort=b&amp;sd=b&amp;sl=31&amp;s=AUTHOR-NAME%28Bellosta+von+Colbe%29&amp;relpos=1&amp;citeCnt=27&amp;searchTerm=</a>	Open Access	AEM
21	Scale-up of milling in a 100 L device for processing of TiFeMn alloy for hydrogen storage applications: Procedure and characterization	Bellosta von Colbe J.M., Puzkiel J., Capurso G., Franz A., Benz H.U., Zoz H., Klassen T., Dornheim M.,	International Journal of Hydrogen Energy	44	55	29282	29290	2019	4,084	10.1016/j.ijhydene.2019.01.174	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062150119&amp;doi=10.1016%2fijhydene.2019.01.174&amp;partnerID=40&amp;md5=a32142d6c07fb37d5e5d59d1b3a3727">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062150119&amp;doi=10.1016%2fijhydene.2019.01.174&amp;partnerID=40&amp;md5=a32142d6c07fb37d5e5d59d1b3a3727</a>	OA	AEM
22	Incremental sheet forming with active medium	Ben Khalifa N., Thiery S.,	CIRP Annals	68	1	313	316	2019	3,826	10.1016/j.cirp.2019.04.043	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064511855&amp;doi=10.1016%2fjcirp.2019.04.043&amp;partnerID=40&amp;md5=a5b27f8c3f927b2e548bb16a0406034">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064511855&amp;doi=10.1016%2fjcirp.2019.04.043&amp;partnerID=40&amp;md5=a5b27f8c3f927b2e548bb16a0406034</a>	OA	AEM
23	A new mutually destabilized reactive hydride system: LiBH <sub>4</sub> -Mg <sub>2</sub> NiH <sub>4</sub>	Bergemann N., Pistidda C., Uptmoor M., Milanese C., Santoru A., Emmeler T., Puzkiel J., Dornheim M., Klassen T.,	Journal of Energy Chemistry	34		240	254	2019	5,162	10.1016/j.jechem.2019.03.011	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063411053&amp;doi=10.1016%2fjechem.2019.03.011&amp;partnerID=40&amp;md5=965d894e0c163b9a5f002233f0ecbe2b">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063411053&amp;doi=10.1016%2fjechem.2019.03.011&amp;partnerID=40&amp;md5=965d894e0c163b9a5f002233f0ecbe2b</a>	Bronze	AEM
24	A review of the application of machine learning and data mining approaches in continuum materials mechanics	Bock F.E., Aydin R.C., Cyron C.J., Huber N., Kalidindi S.R., Klusemann B.,	Frontiers in Materials	6				2019	2,689	10.3389/fmats.2019.00110	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85067394950&amp;doi=10.3389%2ffmats.2019.00110&amp;partnerID=40&amp;md5=223721c84f92fdfe8e41cbeca1c10170">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85067394950&amp;doi=10.3389%2ffmats.2019.00110&amp;partnerID=40&amp;md5=223721c84f92fdfe8e41cbeca1c10170</a>	DOAJ Gold, Green Published	AEM
25	Sparse Annotations with Random Walks for U-Net Segmentation of Biodegradable Bone Implants in Synchrotron Microtomograms	Bockelmann Niclas, Krüger Diana, Wieland D. Florian, Zeller-Plumhoff Berit, Peruzzi Niccolò, Galli Silvia, Willumeit-Römer Regine, Wilde Fabian, Beckmann Felix, Hammel Jörg, Moosmann Julian, Heinrich Matthias P.	Medical Imaging with Deep Learning			1	4	2019	Scopus		<a href="https://openreview.net/pdf?id=HJlI3eNCY4">https://openreview.net/pdf?id=HJlI3eNCY4</a>		AEM
26	Can the variance in membrane performance influence the design of organic solvent nanofiltration processes?	Böcking A., Koleva V., Wind J., Thiermeyer Y., Blumenschein S., Goebel R., Skibrowski M., Wessling M.,	Journal of Membrane Science	575		217	228	2019	7,015	10.1016/j.memsci.2018.12.077	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85060203221&amp;doi=10.1016%2fjmemsci.2018.12.077&amp;partnerID=40&amp;md5=d8710de4f2a9a8c9a0db42745d186846">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85060203221&amp;doi=10.1016%2fjmemsci.2018.12.077&amp;partnerID=40&amp;md5=d8710de4f2a9a8c9a0db42745d186846</a>		AEM
27	The influence of clamping pressure on joint formation and mechanical performance of Ti6Al4V/CF-PEEK friction-riveted joints	Borba N.Z., dos Santos J.F., Amancio-Filho S.T.,	Materials	12	5	745		2019	2,972	10.3390/ma12050745	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85067355035&amp;doi=10.3390%2fma12050745&amp;partnerID=40&amp;md5=b5f09785bce28376b98106b4a93956e">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85067355035&amp;doi=10.3390%2fma12050745&amp;partnerID=40&amp;md5=b5f09785bce28376b98106b4a93956e</a>	DOAJ Gold, Green Published	AEM
28	Evaporation of Electrolyte During SVET Measurements: The Scale of the Problem and the Solutions	Bouali A.C., Bastos A.C., Lamaka S.V., Serdechnova M., Ferreira M.G.S., Zheludkevich	ELECTROANALYSIS	31	11	2290	2298	2019	2,691	10.1002/elan.201900435	<a href="https://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=GeneralSearch&amp;qid=34&amp;SID=C4XYRWIAWst2ZJa6oUs&amp;page=1&amp;doc=3&amp;cacheurlFromRightClick=no">https://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=GeneralSearch&amp;qid=34&amp;SID=C4XYRWIAWst2ZJa6oUs&amp;page=1&amp;doc=3&amp;cacheurlFromRightClick=no</a>		AEM

No.	Title	Author	Source	Volume	Issue	Page start	Page end	Year	Impact-Factor	DOI	Link	Open Access	HGF-Programme
29	Layered double hydroxide based active corrosion protective sealing of plasma electrolytic oxidation/sol-gel composite coating on AA2024	Bouali A.C., Straumal E.A., Serdechnova M., Wieland D.C.F., Starykevich M., Blawert C., Hammel J.U., Lermontov S.A., Ferreira M.G.S., Zheludkevich M.L.,	Applied Surface Science	494		829	840	2019	5,155	10.1016/j.apsusc.2019.07.117	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85069931307&amp;doi=10.1016%2fj.apsusc.2019.07.117&amp;partnerID=40&amp;md5=6645563d1f30a91001eeb9cbb964efdb">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85069931307&amp;doi=10.1016%2fj.apsusc.2019.07.117&amp;partnerID=40&amp;md5=6645563d1f30a91001eeb9cbb964efdb</a>	OA	AEM/MML
30	Solubility behaviour of random and gradient copolymers of di- and oligo(ethylene oxide)methacrylate in water: effect of various additives	Bozorg M., Hankiewicz B., Abetz V.,	Soft Matter					2019	3,399	10.1039/c9sm02032b	<a href="https://doi.org/10.1039/C9SM02032B">https://doi.org/10.1039/C9SM02032B</a>	OA	AEM
31	Anisotropic stiffness and tensional homeostasis induce a natural anisotropy of volumetric growth and remodeling in soft biological tissues	Braeu F.A., Aydin R.C., Cyron C.J.,	Biomechanics and Modeling in Mechanobiology	18	2	327	345	2019	2,829	10.1007/s10237-018-1084-x	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85056315686&amp;doi=10.1007%2f10237-018-1084-x&amp;partnerID=40&amp;md5=0598a7ad7307df10fe44a515672720bf">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85056315686&amp;doi=10.1007%2f10237-018-1084-x&amp;partnerID=40&amp;md5=0598a7ad7307df10fe44a515672720bf</a>		AEM
32	Fatigue performance of hybrid overlap friction stir welding and adhesive bonding of an Al-Mg-Cu alloy	Braga D.F.O., Maciel R., Bergmann L., da Silva L.F.M., Infante V., dos Santos J.F., Moreira P.M.G.P.,	Fatigue and Fracture of Engineering Materials and Structures	42	6	1262	1270	2019	2,555	10.1111/ffe.12933	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85053899344&amp;doi=10.1111%2fffe.12933&amp;partnerID=40&amp;md5=be0d0fda9b491fc8e9259311e1a37327">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85053899344&amp;doi=10.1111%2fffe.12933&amp;partnerID=40&amp;md5=be0d0fda9b491fc8e9259311e1a37327</a>		AEM
33	Residual stress characterization in friction stir welds of alloy 625	Braga Lemos, G.V., Farina, A. B., Nunes, R. M., Costa Pereira da Cunha, P. H., Bergmann, L., dos Santos, J. F., Reguly, A.	Journal of Materials Research and Technology	8	3	2528	2537	2019	3,327	10.1016/j.jmrt.2019.02.011	<a href="http://apps.webofknowledge.com/full_record.do?product=UA&amp;search_mode=AdvancedSearch&amp;qid=6&amp;SID=C3IgrhMc18TteDvDZL&amp;page=1&amp;doc=11">http://apps.webofknowledge.com/full_record.do?product=UA&amp;search_mode=AdvancedSearch&amp;qid=6&amp;SID=C3IgrhMc18TteDvDZL&amp;page=1&amp;doc=11</a>		AEM
34	Mechanics of the stomach: A review of an emerging field of biomechanics	Brandstaeter S., Fuchs S.L., Aydin R.C., Cyron C.J.,	GAMM Mitteilungen					2019	Scopus	10.1002/gamm.201900001	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062351560&amp;doi=10.1002%2fgamm.201900001&amp;partnerID=40&amp;md5=523e9b2dcb7efa5624ef604bfb8d629f">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062351560&amp;doi=10.1002%2fgamm.201900001&amp;partnerID=40&amp;md5=523e9b2dcb7efa5624ef604bfb8d629f</a>	OA	AEM
35	The influence of niobium, tantalum and zirconium on the microstructure and creep strength of fully lamellar $\gamma/\alpha$ 2 titanium aluminides	Bresler J., Neumeier S., Ziener M., Pyczak F., Göken M.,	Materials Science and Engineering A	744	46		53	2019	4,081	10.1016/j.msea.2018.11.152	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85057712469&amp;doi=10.1016%2fj.msea.2018.11.152&amp;partnerID=40&amp;md5=2fc75fde54bc56247635621ff0954f4">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85057712469&amp;doi=10.1016%2fj.msea.2018.11.152&amp;partnerID=40&amp;md5=2fc75fde54bc56247635621ff0954f4</a>		AEM
36	Characterization of a New Flat Sheet Membrane Module Type for Gas Permeation	Brinkmann T., Notzke H., Wolff T., Zhao L., Luhr S., Stolten D.,	Chemie-Ingenieur-Technik	91	1	30	37	2019	1,075	10.1002/cite.20180083	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85056893451&amp;doi=10.1002%2fcite.20180083&amp;partnerID=40&amp;md5=3e9c01ab86b9e417edafd9b97592eb84">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85056893451&amp;doi=10.1002%2fcite.20180083&amp;partnerID=40&amp;md5=3e9c01ab86b9e417edafd9b97592eb84</a>	Bronze	AEM
37	Laser welding and microstructural characterization of dissimilar $\gamma$ -TiAl-Ti6242 joints	Burkhardt I., Ventzke V., Riekehr S., Kashaev N., Enz J.,	Intermetallics	104		74	83	2019	3,353	10.1016/j.intermet.2018.09.012	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85056201905&amp;doi=10.1016%2fj.intermet.2018.09.012&amp;partnerID=40&amp;md5=cb66ba6aed0de3739d74783226257f37">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85056201905&amp;doi=10.1016%2fj.intermet.2018.09.012&amp;partnerID=40&amp;md5=cb66ba6aed0de3739d74783226257f37</a>		AEM
38	Intergranular corrosion evaluation of friction stir welded AISI 410S ferritic stainless steel	Caetano G.D.Q., Silva C.C., Motta M.F., Miranda H.C., Farias J.P., Bergmann L.A., Santos J.F.D.,	Journal of Materials Research and Technology	8	2	1878	1887	2019	3,327	10.1016/j.jmrt.2019.01.004	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85061716922&amp;doi=10.1016%2fj.jmrt.2019.01.004&amp;partnerID=40&amp;md5=942d45edd859187ce31249d4b33fe1ac">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85061716922&amp;doi=10.1016%2fj.jmrt.2019.01.004&amp;partnerID=40&amp;md5=942d45edd859187ce31249d4b33fe1ac</a>	DOAJ Gold	AEM

No.	Title	Author	Source	Volume	Issue	Page start	Page end	Year	Impact-Factor	DOI	Link	Open Access	HGF-Programme
39	Effect of friction spot welding parameters on the joint formation and mechanical properties of Al to Cu	Cardillo M.E.B., Shen J., de Alcántara N.G., Afonso C.R.M., dos Santos J.F.,	Welding in the World	63	1	33	41	2019	1,278	10.1007/s40194-018-0632-4	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85060291632&amp;doi=10.1007%2fs40194-018-0632-4&amp;partnerID=40&amp;md5=eb664951cb119713fc26527489ab1448">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85060291632&amp;doi=10.1007%2fs40194-018-0632-4&amp;partnerID=40&amp;md5=eb664951cb119713fc26527489ab1448</a>	OA	AEM
40	Corrosion protection of magnesium alloy by PEO-coatings containing sodium oleate	Chirkunov A.A., Rakoch A.G., Monakhova E.V., Gladkova A.A., Khabibullina Z.V., Ogorodnikova V.A., Serdechnova M., Blawert C., Kuznetsov Y.I., Zheludkevich M.L.	International Journal of Corrosion and Scale Inhibition	8	4	1170	1188	2019	0	10.17675/2305-6894-2019-8-4-22		OA	AEM
41	Metamaterial emitter for thermophotovoltaics stable up to 1400 °C	Chirumamilla M., Krishnamurthy G.V., Knopp K., Krekeler T., Graf M., J alas D., Ritter M., Störmer M., Petrov A.Y., Eich M.,	Scientific Reports	9	1	7241		2019	4,011	10.1038/s41598-019-43640-6	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065675392&amp;doi=10.1038%2fs41598-019-43640-6&amp;partnerID=40&amp;md5=aa5cabcf147259066a9c29c06dbde08">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065675392&amp;doi=10.1038%2fs41598-019-43640-6&amp;partnerID=40&amp;md5=aa5cabcf147259066a9c29c06dbde08</a>	DOAJ Gold, Green Published	AEM
42	Examination of well ordered nanonetwork materials by real-And reciprocal-space imaging	Chiu P.-T., Chien Y.-C., Georgopoulos P., Sun Y.-S., Avgeropoulos A., Ho R.-M.,	IUCrJ	6		259	266	2019	4,756	10.1107/S2052252518018389	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062659037&amp;doi=10.1107%2fs2052252518018389&amp;partnerID=40&amp;md5=e85843798acacc73659e2203f13ce392">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062659037&amp;doi=10.1107%2fs2052252518018389&amp;partnerID=40&amp;md5=e85843798acacc73659e2203f13ce392</a>	DOAJ Gold	AEM
43	Application of design of experiments for laser shock peening process optimization	Chupakhin S., Klusemann B., Huber N., Kashaev N.,	International Journal of Advanced Manufacturing Technology	102	5-8	1567	1581	2019	2,496	10.1007/s00170-018-3034-2	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85059837899&amp;doi=10.1007%2fs00170-018-3034-2&amp;partnerID=40&amp;md5=b8392265b566e82df887a322f3ec36b3">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85059837899&amp;doi=10.1007%2fs00170-018-3034-2&amp;partnerID=40&amp;md5=b8392265b566e82df887a322f3ec36b3</a>		AEM
44	Inflammatory response to magnesium-based biodegradable implant materials	Costantino M. D., Schuster A., Helmholtz H., Meyer-Rachner A., Willumeit-Römer R., Luthringer-Feyerabend B. J. C.	Acta Biomater	101		598	608	2019	6,638	10.1016/j.actbio.2019.10.014			AEM
45	Effect of welding speed on friction stir welds of GL E36 shipbuilding steel	Cunha P.H.C.P.D., Lemos G.V.B., Bergmann L., Reguly A., Santos J.F.D., Marinho R.R., Paes M.T.P.,	Journal of Materials Research and Technology	8	1	1041	1051	2019	3,327	10.1016/j.jmrt.2018.07.014	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85052315465&amp;doi=10.1016%2fj.jmrt.2018.07.014&amp;partnerID=40&amp;md5=fb665c82798fa7da25e6351272d58e8d">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85052315465&amp;doi=10.1016%2fj.jmrt.2018.07.014&amp;partnerID=40&amp;md5=fb665c82798fa7da25e6351272d58e8d</a>	DOAJ Gold	AEM
46	Improved accuracy in the assessment of vertebral cortical thickness by quantitative computed tomography using the Iterative Convolution Optimization (ICON) method	Damm T., Peña J.A., Campbell G.M., Bastgen J., Barkmann R., Glüer C.-C.	Bone	120		194	203	2019	4,36	10.1016/j.bone.2018.08.024			AEM
47	The influence of the crosslinking degree on the corrosion protection properties of chitosan coatings in simulated body fluid	de Y. Pozzo L., da Conceição T.F., Spinelli A., Scharnagl N., Nunes Pires A.T.	Progress in Organic Coatings	Mai 00		Article Number: 105328		2019	3,42	10.1016/j.porgcoat.2019.105328			AEM
48	Exploring Ternary and Quaternary Mixtures in the LiBH <sub>4</sub> -NaBH <sub>4</sub> -KBH <sub>4</sub> -Mg(BH <sub>4</sub> ) <sub>2</sub> -Ca(BH <sub>4</sub> ) <sub>2</sub> System	Dematteis E.M., Pistidda C., Dornheim M., Baricco M.,	ChemPhysChem	20	10	1348	1359	2019	3,077	10.1002/cphc.201801130	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85061969959&amp;doi=10.1002%2fcphc.201801130&amp;partnerID=40&amp;md5=f622715c4597c599cdc785af3c7ce22e">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85061969959&amp;doi=10.1002%2fcphc.201801130&amp;partnerID=40&amp;md5=f622715c4597c599cdc785af3c7ce22e</a>		AEM
49	Revealing the impact of second phase morphology on discharge properties of binary Mg-Ca anodes for primary Mg-air batteries	Deng M., Höche D., Lamaka S.V., Wang L., Zheludkevich M.L.,	Corrosion Science	153		225	235	2019	6,355	10.1016/j.corsci.2019.03.050	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063791256&amp;doi=10.1016%2fj.corsci.2019.03.050&amp;partnerID=40&amp;md5=c969402fb2dc4e1a643a6950e80b1255">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063791256&amp;doi=10.1016%2fj.corsci.2019.03.050&amp;partnerID=40&amp;md5=c969402fb2dc4e1a643a6950e80b1255</a>		AEM

No.	Title	Author	Source	Volume	Issue	Page start	Page end	Year	Impact-Factor	DOI	Link	Open Access	HGF-Programme
50	Clarifying the decisive factors for utilization efficiency of Mg anodes for primary aqueous batteries	Deng M., Wang L.Q., Höche D., Lamaka S.V., Snihirova D., Vaghefinazari B., Zheludkevich M.L.	JOURNAL OF POWER SOURCES	441		article number 227201		2019	7,467	10.1016/j.jpowsour.2019.227201	<a href="https://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=GeneralSearch&amp;qid=34&amp;SID=C4XYRWiAWst2ZJa6oUs&amp;page=1&amp;doc=1&amp;cacheurlFromRightClick=no">https://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=GeneralSearch&amp;qid=34&amp;SID=C4XYRWiAWst2ZJa6oUs&amp;page=1&amp;doc=1&amp;cacheurlFromRightClick=no</a>		AEM
51	Extraction of source functions of surface photovoltage transients at very short times	Dittrich T., Garcia Vera O., Fengler S., Pineda S., Bönisch S.,	Review of Scientific Instruments	90	2	26102		2019	1,587	10.1063/1.5068749	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85061481631&amp;doi=10.1063%2f1.5068749&amp;partnerID=40&amp;md5=ab06f411fd497a3049b492b9f9d9a5dd">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85061481631&amp;doi=10.1063%2f1.5068749&amp;partnerID=40&amp;md5=ab06f411fd497a3049b492b9f9d9a5dd</a>		AEM
52	Development of Pore-Free Ti-Si-C MAX/Al-Si Composite Materials Manufactured by Squeeze Casting Infiltration	Dmitruk A., Naplocha K., Zak A., Strojny-Nedza A., Diering H., Kainer K.U.	JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE					2019	1,476	10.1007/s11665-019-04390-8	<a href="https://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=GeneralSearch&amp;qid=8&amp;SID=C4XYRWiAWst2ZJa6oUs&amp;page=1&amp;doc=2&amp;cacheurlFromRightClick=no">https://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=GeneralSearch&amp;qid=8&amp;SID=C4XYRWiAWst2ZJa6oUs&amp;page=1&amp;doc=2&amp;cacheurlFromRightClick=no</a>		AEM
53	Influence of Thermomechanical Treatment on Tension–Compression Yield Asymmetry of Extruded Mg–Zn–Ca Alloy	Dobroň P., Hegedüs M., Olejňák J., Drozdenko D., Horváth K., Bohlen J.,	Minerals, Metals and Materials Series	77	81			2019	Scopus	10.1007/978-3-030-05789-3_13	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064630061&amp;doi=10.1007%2f978-3-030-05789-3_13&amp;partnerID=40&amp;md5=198c7bde3972b90401d49c9b78c75a31">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064630061&amp;doi=10.1007%2f978-3-030-05789-3_13&amp;partnerID=40&amp;md5=198c7bde3972b90401d49c9b78c75a31</a>		AEM
54	Corrosion protection of steel cut-edges by hot-dip galvanized Al(Zn,Mg) coatings in 1 wt% NaCl: Part II. Numerical simulations	Dolgikh O., Simillion H., Lamaka S.V., Bastos A.C., Xue H.B., Taryba M.G., Oliveira A.R., Allély C., Van Den Bossche B., Van Den Bergh K., De Strycker J., Deconinck J.,	Materials and Corrosion	70	5	780	792	2019	1,458	10.1002/maco.201810210	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85059530844&amp;doi=10.1002%2fmaco.201810210&amp;partnerID=40&amp;md5=a56716177025af9cb2df253ec7ac17cd">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85059530844&amp;doi=10.1002%2fmaco.201810210&amp;partnerID=40&amp;md5=a56716177025af9cb2df253ec7ac17cd</a>		AEM
55	Structure of Nonsolvent-Quenched Block Copolymer Solutions after Exposure to Electric Fields during Solvent Evaporation	Dreyer O., Wu M.-L., Radjabian M., Abetz C., Abetz V.,	Advanced Materials Interfaces	6	17	1900646		2019	4,713	10.1002/admi.201900646	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068645711&amp;doi=10.1002%2fadmi.201900646&amp;partnerID=40&amp;md5=e69760a959e9b081c5c466254f2cea2b">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068645711&amp;doi=10.1002%2fadmi.201900646&amp;partnerID=40&amp;md5=e69760a959e9b081c5c466254f2cea2b</a>		AEM
56	Effect of Thermomechanical Treatment on Subsequent Deformation Behavior in a Binary Z1 Magnesium Alloy Studied by the Acoustic Emission Technique	Drozdenko D., Bohlen J., Horváth K., Yi S., Letzig D., Chmelik F., Dobroň P.,	Advanced Engineering Materials	21	3	1800915		2019	2,906	10.1002/adem.201800915	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85059134627&amp;doi=10.1002%2fadem.201800915&amp;partnerID=40&amp;md5=ed363d279b9926d2bd0ee212ac636fbd">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85059134627&amp;doi=10.1002%2fadem.201800915&amp;partnerID=40&amp;md5=ed363d279b9926d2bd0ee212ac636fbd</a>		AEM
57	Austenite decomposition and carbon partitioning during quenching and partitioning heat treatments studied via in-situ X-ray diffraction	Ebner S., Suppan C., Stark A., Schnitzer R., Hofer C.,	Materials and Design	178				2019	5,77	10.1016/j.matdes.2019.107862	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85066013012&amp;doi=10.1016%2fj.matdes.2019.107862&amp;partnerID=40&amp;md5=9eaa4f2856a9ddc1c537cba85595f525">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85066013012&amp;doi=10.1016%2fj.matdes.2019.107862&amp;partnerID=40&amp;md5=9eaa4f2856a9ddc1c537cba85595f525</a>	DOAJ Gold	AEM/MML
58	In situ analysis of the effect of high heating rates and initial microstructure on the formation and homogeneity of austenite	Eggbauer A., Lukas M., Ressel G., Prevedel P., Mendez-Martin F., Keckes J., Stark A., Ebner R.,	Journal of Materials Science	54	12	9197	9212	2019	3,442	10.1007/s10853-019-03527-3	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063565982&amp;doi=10.1007%2fs10853-019-03527-3&amp;partnerID=40&amp;md5=0b11d7603c0729d087482c4b7780ab00">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063565982&amp;doi=10.1007%2fs10853-019-03527-3&amp;partnerID=40&amp;md5=0b11d7603c0729d087482c4b7780ab00</a>		AEM/MML

No.	Title	Author	Source	Volume	Issue	Page start	Page end	Year	Impact-Factor	DOI	Link	Open Access	HGF-Programme
59	Effect of mg and si content in aluminum alloys on friction surfacing processing behavior	Ehrich J., Roos A., Hanke S.,	Minerals, Metals and Materials Series			357	363	2019	Scopus	10.1007/978-3-030-05864-7_45	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064865428&amp;doi=10.1007%2F978-3-030-05864-7_45&amp;partnerID=40&amp;md5=28fcd8e897c99feb49e8a2515e09997c">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064865428&amp;doi=10.1007%2F978-3-030-05864-7_45&amp;partnerID=40&amp;md5=28fcd8e897c99feb49e8a2515e09997c</a>		AEM
60	The effect of grain boundary precipitates on stress corrosion cracking in a bobbin tool friction stir welded Al-Cu-Li alloy	Entringer J., Meisnar M., Reimann M., Blawert C., Zheludkevich M., dos Santos J.F.,	Materials Letters: X	2				2019	3,019	10.1016/j.mblux.2019.100014	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065288301&amp;doi=10.1016%2Fj.mblux.2019.100014&amp;partnerID=40&amp;md5=ebe5a6b1d7daf4e83f43965232d11cfa">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065288301&amp;doi=10.1016%2Fj.mblux.2019.100014&amp;partnerID=40&amp;md5=ebe5a6b1d7daf4e83f43965232d11cfa</a>	OA	AEM
61	Influence of Cu/Li ratio on the microstructure evolution of bobbin-tool friction stir welded Al-Cu-Li alloys	Entringer J., Reimann M., Norman A., Dos Santos J.F.,	Journal of Materials Research and Technology	8	2	2031	2040	2019	3,327	10.1016/j.jmrt.2019.01.014	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063274284&amp;doi=10.1016%2Fj.jmrt.2019.01.014&amp;partnerID=40&amp;md5=d9da824507b144cc304f08c464ce7a8c">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063274284&amp;doi=10.1016%2Fj.jmrt.2019.01.014&amp;partnerID=40&amp;md5=d9da824507b144cc304f08c464ce7a8c</a>	DOAJ Gold	AEM
62	In situ and atomic-scale investigations of the early stages of $\gamma$ precipitate growth in a supersaturated intermetallic Ti-44Al-7Mo (at.%) solid solution	Erdely P., Staron P., Stark A., Klein T., Clemens H., Mayer S.,	Acta Materialia	164	110		121	2019	7,293	10.1016/j.actamat.2018.10.042	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85055664833&amp;doi=10.1016%2Fj.actamat.2018.10.042&amp;partnerID=40&amp;md5=677ed34918c3c27aa8ce899577de0c63">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85055664833&amp;doi=10.1016%2Fj.actamat.2018.10.042&amp;partnerID=40&amp;md5=677ed34918c3c27aa8ce899577de0c63</a>		AEM/MML
63	The Effect of Equal-Channel Angular Pressing on the Microstructure, the Mechanical and Corrosion Properties and the Anti-Tumor Activity of Magnesium Alloyed with Silver	Estrin Y., N.S. Martynenko, N. Anisimova, D. Temralieva, M. Kiselevskiy, V. Serebryany, G. Raab, B. Straumal, B. Wiese, R. Willumeit-Römer, S. Dobatkin	Materials	12		3832		2019	2,689	<a href="https://doi.org/10.3390/ma12233832">https://doi.org/10.3390/ma12233832</a>		open access: CC BY license	AEM
64	Microstructure and mechanical performance of additively manufactured aluminum 2024-t3/acrylonitrile butadiene styrene hybrid joints using an adjoining technique	Falck R., dos Santos J.F., Amancio-Filho S.T.,	Materials	16	6	864		2019	2,972	10.3390/ma12060864	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063533658&amp;doi=10.3390%2Fma12060864&amp;partnerID=40&amp;md5=b21a3caec07ddd8d5d8e6dcf838620f8">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063533658&amp;doi=10.3390%2Fma12060864&amp;partnerID=40&amp;md5=b21a3caec07ddd8d5d8e6dcf838620f8</a>	DOAJ Gold, Green Published	AEM
65	A review on direct assembly of through-the-thickness reinforced metal-polymer composite hybrid structures	Feistauer E.E., dos Santos J.F., Amancio-Filho S.T.,	Polymer Engineering and Science	59	4	661	674	2019	1,92	10.1002/pen.25022	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85058950628&amp;doi=10.1002%2Fpen.25022&amp;partnerID=40&amp;md5=7fd9aef777961d1e172d3be04bc1ee8">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85058950628&amp;doi=10.1002%2Fpen.25022&amp;partnerID=40&amp;md5=7fd9aef777961d1e172d3be04bc1ee8</a>	Other Gold	AEM
66	Characterization of BiVO4 powders and cold gas sprayed layers by surface photovoltage techniques	Fengler S., Dittrich T., Schieda M., Gutzmann H., Emmler T., Villa-Vidaller M., Klassen T.,	Catalysis Today	321-322	34		40	2019	4,888	10.1016/j.cattod.2018.02.027	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85042421992&amp;doi=10.1016%2Fj.cattod.2018.02.027&amp;partnerID=40&amp;md5=c899646f3fe38569b6b866c03c511173">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85042421992&amp;doi=10.1016%2Fj.cattod.2018.02.027&amp;partnerID=40&amp;md5=c899646f3fe38569b6b866c03c511173</a>		AEM
67	Free-carrier detection in a silicon slab via absorption measurement in 2D integrating cells	Fohrmann L.S., Lotfi N., Alzein B., Gaafar M.A., Petrov A.Y.U., Eich M.,	Optics Letters	44	1	175	178	2019	3,866	10.1364/OL.44.000175	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85059260106&amp;doi=10.1364%2FOL.44.000175&amp;partnerID=40&amp;md5=556ca26a5938eae1c1d1ab361b1866de">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85059260106&amp;doi=10.1364%2FOL.44.000175&amp;partnerID=40&amp;md5=556ca26a5938eae1c1d1ab361b1866de</a>		AEM
68	Room temperature hydrocarbon generation in olivine powders: Effect of mechanical processing under CO2 atmosphere	Francesco Torre, Valeria Farina, Alessandro Taras, Claudio Pistidda, Antonio Santoru, Jozef Bednarcik, Gabriele Mulas Stefano Enzo, Sebastiano Garroni	Powder Technology					2019	3.413	10.1016/j.powtec.2019.10.080	<a href="https://www.sciencedirect.com/science/article/abs/pii/S003259101930909X?via%3DIihub">https://www.sciencedirect.com/science/article/abs/pii/S003259101930909X?via%3DIihub</a>		AEM



No.	Title	Author	Source	Volume	Issue	Page start	Page end	Year	Impact-Factor	DOI	Link	Open Access	HGF-Programme
77	Defect-Free Mixed-Matrix Membranes from Matrimid® and Activated Carbon for Applications in Gas Separation [Defektfreie Mixed-Matrix-Membranen aus Matrimid® und Aktivkohle für die Gastrennung]	Georgopoulos P., Weigelt F., Shishatskiy S., Filiz V., Brinkmann T., Abetz V.,	Chemie-Ingenieur-Technik	91	4	534	537	2019	1,075	10.1002/cite.201800071	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85058112026&amp;doi=10.1002%2fcite.201800071&amp;partnerID=40&amp;md5=670f4d7b02804af295b95670949d02a6">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85058112026&amp;doi=10.1002%2fcite.201800071&amp;partnerID=40&amp;md5=670f4d7b02804af295b95670949d02a6</a>		AEM
78	Influence of AlN nanoparticle addition on microstructure and mechanical properties of extruded pure magnesium and an aluminum-free Mg-Zn-Y Alloy	Giannopoulou D., Dieringa H., Bohlen J.,	Metals	9	6	667		2019	2,259	10.3390/met9060667	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85070449265&amp;doi=10.3390%2fmet9060667&amp;partnerID=40&amp;md5=0e4d526fbc077d6c4b3dff53aef7687c">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85070449265&amp;doi=10.3390%2fmet9060667&amp;partnerID=40&amp;md5=0e4d526fbc077d6c4b3dff53aef7687c</a>	DOAJ Gold	AEM
79	Enhanced predictive corrosion modeling with implicit corrosion products	Gießgen T., Mittelbach A., Höche D., Zheludkevich M., Kainer K.U.	Materials and Corrosion	70	12	2247	2255	2019	1,458	10.1002/maco.201911101			AEM
80	Enhancement effect of bimetallic amide K2Mn(NH2)4 and in-situ formed KH and Mn4N on the dehydrogenation/hydrogenation properties of Li-Mg-N-H system	Gizer G., Cao H., Puzskiel J., Pistidda C., Santoru A., Zhang W., He T., Chen P., Klassen T., Dornheim M.,	Energies	12	14	2779		2019	2,707	10.3390/en12142779	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85069600174&amp;doi=10.3390%2fen12142779&amp;partnerID=40&amp;md5=50cb37291d92f45c3aaa779024606daa">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85069600174&amp;doi=10.3390%2fen12142779&amp;partnerID=40&amp;md5=50cb37291d92f45c3aaa779024606daa</a>	DOAJ Gold	AEM
81	Tuning the reaction mechanism and hydrogenation/dehydrogenation properties of 6Mg(NH2)2[sbnd]9LiH system by adding LiBH4	Gizer G., Puzskiel J., Cao H., Pistidda C., Le T.T., Dornheim M., Klassen T.,	International Journal of Hydrogen Energy	44	23	11920	11929	2019	4,084	10.1016/j.ijhydene.2019.03.133	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064156372&amp;doi=10.1016%2fj.ijhydene.2019.03.133&amp;partnerID=40&amp;md5=0ba627db87d99715f9a23bbdd12d2639">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064156372&amp;doi=10.1016%2fj.ijhydene.2019.03.133&amp;partnerID=40&amp;md5=0ba627db87d99715f9a23bbdd12d2639</a>		AEM
82	Numerical investigation of polymer coated nanoporous gold	Gnegel S., Li J., Mameka N., Huber N., Düster A.,	Materials	12	13	2178		2019	2,972	10.3390/ma12132178	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068845251&amp;doi=10.3390%2fma12132178&amp;partnerID=40&amp;md5=5c0e033346c007d2bb0031787c25e493">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068845251&amp;doi=10.3390%2fma12132178&amp;partnerID=40&amp;md5=5c0e033346c007d2bb0031787c25e493</a>	DOAJ Gold, Green Published	AEM
83	Surface-to-Volume Ratio Drives Photoelectron Injection from Nanoscale Gold into Electrolyte	Graf M., J alas D., Weissmüller J., Petrov A.Y., Eich M.,	ACS Catalysis	9	4	3366	3374	2019	12,221	10.1021/acscatal.9b00384	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063143315&amp;doi=10.1021%2facscatal.9b00384&amp;partnerID=40&amp;md5=4b8110df29e9c45b021b08407c5bd424">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063143315&amp;doi=10.1021%2facscatal.9b00384&amp;partnerID=40&amp;md5=4b8110df29e9c45b021b08407c5bd424</a>		AEM
84	Thermal Analysis and Production of As-Cast Al 7075/6060 Bilayer Billets	Gress T., Mittler T., Schmid S., Volk W., Chen H., Ben Khalifa N.	INTERNATIONAL JOURNAL OF METALCASTING	13	4	817	829	2019	1,033	10.1007/s40962-018-0282-8	<a href="https://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=GeneralSearch&amp;qid=42&amp;SID=C4YRWIAWst2ZJa6oUs&amp;page=1&amp;doc=1&amp;cacheurlFromRightClick=no">https://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=GeneralSearch&amp;qid=42&amp;SID=C4YRWIAWst2ZJa6oUs&amp;page=1&amp;doc=1&amp;cacheurlFromRightClick=no</a>		AEM
85	Mechanical characterization of as-cast AA7075/6060 and CuSn6/Cu99.5 compounds using an experimental and numerical push-out test	Greß T., Stahl J., Mittler T., Spano L., Chen H., Ben Khalifa N., Volk W.,	Materials Science and Engineering A	751		214	225	2019	4,081	10.1016/j.msea.2019.02.080	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062145793&amp;doi=10.1016%2fj.msea.2019.02.080&amp;partnerID=40&amp;md5=2b964c0c5a280a0d4001ad6a2fb87c68">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062145793&amp;doi=10.1016%2fj.msea.2019.02.080&amp;partnerID=40&amp;md5=2b964c0c5a280a0d4001ad6a2fb87c68</a>		AEM
86	Analytical prediction of wall thickness reduction and forming forces during the radial indentation process in Incremental Profile Forming	Grzancic G., Löbbe C., Ben Khalifa N., Tekkaya A.E.,	Journal of Materials Processing Technology	267		68	79	2019	4,178	10.1016/j.jmatprot.2018.12.003	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85058009033&amp;doi=10.1016%2fj.jmatprot.2018.12.003&amp;partnerID=40&amp;md5=d7d5089082107532ffb0adce7ad28e1a">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85058009033&amp;doi=10.1016%2fj.jmatprot.2018.12.003&amp;partnerID=40&amp;md5=d7d5089082107532ffb0adce7ad28e1a</a>		AEM

No.	Title	Author	Source	Volume	Issue	Page start	Page end	Year	Impact-Factor	DOI	Link	Open Access	HGF-Programme
87	Effects of samarium content on microstructure and mechanical properties of Mg–0.5Zn–0.5Zr alloy	Guan K., Meng F., Qin P., Yang Q., Zhang D., Li B., Sun W., Lv S., Huang Y., Hort N., Meng J.,	Journal of Materials Science and Technology	35	7	1368	1377	2019	5,04	10.1016/j.jmst.2019.01.019	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062890934&amp;doi=10.1016%2fj.jmst.2019.01.019&amp;partnerID=40&amp;md5=fed6dabdc1a96cdb082baae7f4485930">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062890934&amp;doi=10.1016%2fj.jmst.2019.01.019&amp;partnerID=40&amp;md5=fed6dabdc1a96cdb082baae7f4485930</a>		AEM
88	Influence of Nd or Ca addition on the dislocation activity and texture changes of Mg–Zn alloy sheets under uniaxial tensile loading	Ha C., Bohlen J., Yi S.B., Zhou X.H., Brokmeier H.G., Schell N., Letzig D., Kainer K.U.	MATERIALS SCIENCE AND ENGINEERING A	761		article number 138053		2019	4,081	10.1016/j.msea.2019.138053	<a href="https://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=GeneralSearch&amp;qid=16&amp;SID=C4XYRWIAWst2Zla6oUs&amp;page=1&amp;doc=4&amp;cacheurlFromRightClick=no">https://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=GeneralSearch&amp;qid=16&amp;SID=C4XYRWIAWst2Zla6oUs&amp;page=1&amp;doc=4&amp;cacheurlFromRightClick=no</a>		AEM
89	Influence of Nd or Ca addition on the dislocation activity and texture changes of Mg–Zn alloy sheets under uniaxial tensile loading (+Corrigendum)	Ha, C., Bohlen, J., Yi, S., Zhou, X., Brokmeier, H.-G., Schell, N., Letzig, D., Kainer, K.U.	Materials Science and Engineering A	761(764)		138053 (138191)		2019	4,014	10.1016/j.msea.2019.138053 (10.1016/j.msea.2019.138191)	<a href="https://www.scopus.com/record/display.uri?eid=2-s2.0-85067884888&amp;origin=resultslist&amp;sort=plf-f&amp;src=s&amp;sid=562a5995be35121333152487c5d41fab&amp;sot=autdocs&amp;dt=autdocs&amp;sl=18&amp;s=AU-ID%2857203056768%29&amp;relpos=10&amp;citeCnt=0&amp;searchTerm=(https://www.scopus.com/record/display.uri?eid=2-s2.0-85070698728&amp;origin=resultslist&amp;ort=plf-f&amp;src=s&amp;sid=562a5995be35121333152487c5d41fab&amp;sot=autdocs&amp;dt=autdocs&amp;sl=18&amp;s=AU-ID%2857203056768%29&amp;relpos=7&amp;citeCnt=0&amp;searchTerm=)">https://www.scopus.com/record/display.uri?eid=2-s2.0-85067884888&amp;origin=resultslist&amp;ort=plf-f&amp;src=s&amp;sid=562a5995be35121333152487c5d41fab&amp;sot=autdocs&amp;dt=autdocs&amp;sl=18&amp;s=AU-ID%2857203056768%29&amp;relpos=10&amp;citeCnt=0&amp;searchTerm=(https://www.scopus.com/record/display.uri?eid=2-s2.0-85070698728&amp;origin=resultslist&amp;ort=plf-f&amp;src=s&amp;sid=562a5995be35121333152487c5d41fab&amp;sot=autdocs&amp;dt=autdocs&amp;sl=18&amp;s=AU-ID%2857203056768%29&amp;relpos=7&amp;citeCnt=0&amp;searchTerm=)</a>	OA	AEM/MML
90	On measuring the independent mechanical response of the polymer phase from nanoporous gold polymer composites	Hablitzel, MP; Lilleodden, ET	SCRIPTA MATERIALIA	170		67	70	2019	4,539	10.1016/j.scriptamat.2019.04.026			AEM
91	Planet-like Nanostructures formed by an ABC Triblock Terpolymer	Haenelt T.G., Meyer A., Abetz C., Abetz V.	Macromolecular Chemistry and Physics	220	20	1900297		2019	2,622	10.1002/macp.201900297	<a href="https://doi.org/10.1002/macp.201900297">https://doi.org/10.1002/macp.201900297</a>	OA	AEM
92	Mass Transport in Porous Electrodes Studied by Scanning Electrochemical Microscopy: Example of Nanoporous Gold	Haensch M., Balboa L., Graf M., Silva Olaya A.R., Weissmüller J., Wittstock G.,	ChemElectroChem	6	12	3160	3166	2019	3,975	10.1002/celec.201900634	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068036022&amp;doi=10.1002%2fcelc.201900634&amp;partnerID=40&amp;md5=4f565619343d5c390f83a33579e93cac">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068036022&amp;doi=10.1002%2fcelc.201900634&amp;partnerID=40&amp;md5=4f565619343d5c390f83a33579e93cac</a>		AEM
93	Self-cleaning property of AZ31 Mg alloy during plasma electrolytic oxidation process	Han J., Blawert C., Yang J., Lu X., Hu J., Zheludkevich M.L.,	Progress in Natural Science: Materials International	29	1	94	102	2019	1,099	10.1016/j.pnsc.2019.01.010	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064037679&amp;doi=10.1016%2fj.pnsc.2019.01.010&amp;partnerID=40&amp;md5=86786337f5bd5a287f059a79f6b1fd90">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064037679&amp;doi=10.1016%2fj.pnsc.2019.01.010&amp;partnerID=40&amp;md5=86786337f5bd5a287f059a79f6b1fd90</a>	DOAJ Gold	AEM
94	Effect of Surface Pre-Treatments on the Formation and Degradation Behaviour of a Calcium Phosphate Coating on Pure Magnesium	Han, JP; Blawert, C; Tang, SW; Yang, JJ; Hu, J; Zheludkevich, ML	COATINGS	9	4			2019	2,33	10.3390/coatings9040259		DOAJ Gold	AEM
95	A eutectic high-entropy alloy with good high-temperature strength-plasticity balance	Han, L., Xu, X., Wang, L., Pyczak, F., Zhou, R., Liu, Y.	Materials Research Letters	7	11	460	466	2019	Scopus	10.1080/21663831.2019.1650130			AEM

No.	Title	Author	Source	Volume	Issue	Page start	Page end	Year	Impact-Factor	DOI	Link	Open Access	HGF-Programme
96	Phase behavior and dynamics of Pluronic®-based additives in semidilute solutions of poly(ethersulfone) and poly(N-vinyl pyrrolidone): rheological and dynamic light scattering experiments	Handge U.A., Gronwald O., Weber M., Hankiewicz B., Abetz V.,	Rheologica Acta	59	9	591	602	2019	2,531	10.1007/s00397-019-01160-0	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068825925&amp;doi=10.1007%2fs00397-019-01160-0&amp;partnerID=40&amp;md5=d436ffe9c17441c9c5c29193c2f398b0">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068825925&amp;doi=10.1007%2fs00397-019-01160-0&amp;partnerID=40&amp;md5=d436ffe9c17441c9c5c29193c2f398b0</a>		AEM
97	Wide range mechanical customisation of Mg-Gd alloys with low degradation rates by extrusion	Harmuth Jochen, Wiese Björn, Bohlen J., Ebel Thomas, Willumeit-Römer Regine	Frontiers in Materials	6		201		2019	2,689	10.3389/fmats.2019.00201		open access	AEM
98	The transient liquid phase bonding process of a γ-TiAl alloy with brazing solders containing Fe or Ni	Hauschildt K., Stark A., Schell N., Müller M., Pyczak F.,	Intermetallics	106		48	58	2019	3,353	10.1016/j.intermet.2018.12.004	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85058565848&amp;doi=10.1016%2fj.intermet.2018.12.004&amp;partnerID=40&amp;md5=c71c435be8f13b11a2de4151a37ccd4f">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85058565848&amp;doi=10.1016%2fj.intermet.2018.12.004&amp;partnerID=40&amp;md5=c71c435be8f13b11a2de4151a37ccd4f</a>		AEM/MML
99	Elemental mapping of biodegradable magnesium-based implants in bone and soft tissue by means of μ X-ray fluorescence analysis	Helmholz H., Luthringer-Feyerabend B.J.C., Willumeit-Römer R.,	Journal of Analytical Atomic Spectrometry	34	2	356	365	2019	3,646	10.1039/c8ja00377g	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85061274491&amp;doi=10.1039%2fc8ja00377g&amp;partnerID=40&amp;md5=badab23a0d9597e2dcb2db042704d023">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85061274491&amp;doi=10.1039%2fc8ja00377g&amp;partnerID=40&amp;md5=badab23a0d9597e2dcb2db042704d023</a>		AEM
100	Metallography of Mg Alloys	Hort N., Floss V., Gavras S., Wiese G., Tolnai D.,	Minerals, Metals and Materials Series			267	276	2019	Scopus	10.1007/978-3-030-05789-3_40	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064670832&amp;doi=10.1007%2f978-3-030-05789-3_40&amp;partnerID=40&amp;md5=2af5ea6add01877c89100a17bb5ecb2c">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064670832&amp;doi=10.1007%2f978-3-030-05789-3_40&amp;partnerID=40&amp;md5=2af5ea6add01877c89100a17bb5ecb2c</a>		AEM
101	In vitro evaluation of the ZX11 magnesium alloy as potential bone plate: Degradability and mechanical integrity	Hou R., Victoria-Hernandez J., Piang P.L., Willumeit-Römer R., Luthringer-Feyerabend B., Yi S.B., Letzig D., Feyerabend F.	Acta Biomaterialia	97		608	622	2019	6,638	10.1016/j.actbio.2019.07.053	<a href="https://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=GeneralSearch&amp;qid=16&amp;SID=CXYRWIAWst2ZJa6oUs&amp;page=1&amp;doc=1&amp;cacheurlFromRightClick=no">https://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=GeneralSearch&amp;qid=16&amp;SID=CXYRWIAWst2ZJa6oUs&amp;page=1&amp;doc=1&amp;cacheurlFromRightClick=no</a>	open access	AEM
102	Different effects of single protein vs. protein mixtures on magnesium degradation under cell culture conditions	Hou R.-Q., Scharnagl N., Willumeit-Römer R., Feyerabend F.,	Acta Biomaterialia	98		256	268	2019	Scopus	10.1016/j.actbio.2019.02.013	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85061727180&amp;doi=10.1016%2fj.actbio.2019.02.013&amp;partnerID=40&amp;md5=c150e732602df9b3d423b87404c9c230">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85061727180&amp;doi=10.1016%2fj.actbio.2019.02.013&amp;partnerID=40&amp;md5=c150e732602df9b3d423b87404c9c230</a>		AEM
103	Proteins and medium-flow conditions: how they influence the degradation of magnesium	Hou Ruiqing, Feyerabend Frank, Willumeit-RömerRegine	Surface Innovations						2,333	10.1680/jsuin.19.00064		open access: Creative Commons Attribution License	AEM
104	Influences of SiC Particle Additions on the Grain Refinement of Mg–Zn Alloys	Huang Y., Gu J., You S., Kainer K.U., Hort N.,	Minerals, Metals and Materials Series			331	338	2019	Scopus	10.1007/978-3-030-05789-3_49	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064639562&amp;doi=10.1007%2f978-3-030-05789-3_49&amp;partnerID=40&amp;md5=d3f91fb5fe072d8e95fc76dae1441057">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064639562&amp;doi=10.1007%2f978-3-030-05789-3_49&amp;partnerID=40&amp;md5=d3f91fb5fe072d8e95fc76dae1441057</a>		AEM
105	Grain refinements of magnesium alloys inoculated by additions of external SiC particles	Huang Y., Gu J., You S., Ulrich Kainer K., Hort N.,	IOP Conference Series: Materials Science and Engineering	529	1	12049		2019	Scopus	10.1088/1757-899X/529/1/012049	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85067878688&amp;doi=10.1088%2f1757-899X%2f529%2f1%2f012049&amp;partnerID=40&amp;md5=07b5ccd194071844fd2f2904045dda04">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85067878688&amp;doi=10.1088%2f1757-899X%2f529%2f1%2f012049&amp;partnerID=40&amp;md5=07b5ccd194071844fd2f2904045dda04</a>	OA	AEM
106	Modeling twinning-induced lattice reorientation and slip-in-twin deformation	Husser, E; Bargmann, S	JOURNAL OF THE MECHANICS AND PHYSICS OF SOLIDS	122		315	339	2019	4,087	10.1016/j.jmps.2018.09.020			AEM

No.	Title	Author	Source	Volume	Issue	Page start	Page end	Year	Impact-Factor	DOI	Link	Open Access	HGF-Programme
107	Advancing the fabrication of YSZ-inverse photonic glasses for broadband omnidirectional reflector films	J.J. do Rosário, Y. Häntsch, R.M. Pasquarelli, P.N. Dyachenko, E. Vriend, A.Y. Petrov, K.P. Furlan, M. Eich, and G.A. Schneider,	Journal of the European Ceramic Society	39		3353	3363	2019	3,41	doi.org/10.1016/j.jeurceramsoc.2019.04.028			AEM
108	Influence of glycerol on plasma electrolytic oxidation coatings evolution and on corrosion behaviour of coated AM50 magnesium alloy	Jangde A., Kumar S., Blawert C.,	Corrosion Science	157		220	246	2019	6,355	10.1016/j.corsci.2019.05.024	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85066858907&amp;doi=10.1016%2fj.corsci.2019.05.024&amp;partnerID=40&amp;md5=80450083b7753c9bddc52ce56a8c6045">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85066858907&amp;doi=10.1016%2fj.corsci.2019.05.024&amp;partnerID=40&amp;md5=80450083b7753c9bddc52ce56a8c6045</a>		AEM
109	Effect of the Process Parameters on the Energy Transfer during the Synthesis of the 2LiBH(4)-MgH2 Reactive Hydride Composite for Hydrogen Storage	Jepsen, J; Capurso, G; Puzkiel, J; Busch, N; Werner, T; Milanese, C; Girella, A; von Colbe, JB; Dornheim, M; Klassen, T	METALS	9	3			2019	2,259	10.3390/met9030349		DOAJ Gold	AEM
110	Magnetron sputtered freestanding MgAg films with ultra-low corrosion rate	Jessen L.K., Zamponi C., Willumeit-Römer R., Quandt E.,	Acta Biomaterialia	98		81	87	2019	6,638	10.1016/j.actbio.2019.05.060	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85066493625&amp;doi=10.1016%2fj.actbio.2019.05.060&amp;partnerID=40&amp;md5=119512b82ae5626753c4834caa7d6ac1">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85066493625&amp;doi=10.1016%2fj.actbio.2019.05.060&amp;partnerID=40&amp;md5=119512b82ae5626753c4834caa7d6ac1</a>	OA	AEM
111	Microstructural influence on corrosion behavior of MgZnGe alloy in NaCl solution	Jiang P., Blawert C., Hou R., Scharnagl N., Bohlen J., Zheludkevich M.L.,	Journal of Alloys and Compounds	783		179	192	2019	4,175	10.1016/j.jallcom.2018.12.296	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85059347660&amp;doi=10.1016%2fj.jallcom.2018.12.296&amp;partnerID=40&amp;md5=b3d5d13b81a80e68eb98722efbdfbc">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85059347660&amp;doi=10.1016%2fj.jallcom.2018.12.296&amp;partnerID=40&amp;md5=b3d5d13b81a80e68eb98722efbdfbc</a>	Other Gold	AEM
112	Influence of water purity on the corrosion behavior of Mg0.5ZnX (X=Ca, Ge) alloys	Jiang P., Blawert C., Scharnagl N., Zheludkevich M.L.,	Corrosion Science	153		62	73	2019	6,355	10.1016/j.corsci.2019.03.044	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063582996&amp;doi=10.1016%2fj.corsci.2019.03.044&amp;partnerID=40&amp;md5=f665d16d813ab803f1038c26a1659363">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063582996&amp;doi=10.1016%2fj.corsci.2019.03.044&amp;partnerID=40&amp;md5=f665d16d813ab803f1038c26a1659363</a>		AEM
113	Time-sequential corrosion behaviour observation of micro-alloyed Mg-0.5Zn-0.2Ca alloy via a quasi-in situ approach	Jin Y., Blawert C., Feyerabend F., Bohlen J., Silva Campos M., Gavras S., Wiese B., Mei D., Deng M., Yang H., Willumeit-Römer R.,	Corrosion Science	158		108096		2019	6,355	10.1016/j.corsci.2019.108096	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85069199697&amp;doi=10.1016%2fj.corsci.2019.108096&amp;partnerID=40&amp;md5=e29ac3cbbf1a803b58c8d774b8aff2b">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85069199697&amp;doi=10.1016%2fj.corsci.2019.108096&amp;partnerID=40&amp;md5=e29ac3cbbf1a803b58c8d774b8aff2b</a>		AEM
114	Amorphous Mo-Ta Oxide Nanotubes for Long-Term Stable Mo Oxide-Based Supercapacitors	Jin, B., Hejazi, S., Pyczak, F., Oehring, M., Mohajernia, S., Kment, S., Tomanec, O., Zboril, R., Nguyen, N.T., Yang, M., Schmuki, P.	Applied Materials and Interfaces	11		45665	45673	2019	8,456	10.1021/acsami.9b15958	<a href="https://www.ncbi.nlm.nih.gov/pubmed/31714052">https://www.ncbi.nlm.nih.gov/pubmed/31714052</a>		AEM
115	Improved in vitro test procedure for full assessment of the cytocompatibility of degradable magnesium based on ISO 10993-5/-12	Jung O., Smeets R., Hartjen P., Schnettler R., Feyerabend F., Klein M., Wegner N., Walther F., Stangier D., Henningsen A., Rendenbach C., Heiland M., Barbeck M., Kopp A.,	International Journal of Molecular Sciences	20	2	255		2019	4,183	10.3390/ijms20020255	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85059898163&amp;doi=10.3390%2fijms20020255&amp;partnerID=40&amp;md5=0417a3cfe69ea319fee27a4efd399d1a">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85059898163&amp;doi=10.3390%2fijms20020255&amp;partnerID=40&amp;md5=0417a3cfe69ea319fee27a4efd399d1a</a>	DOAJ Gold, Green Published	AEM
116	Grain-wise simulation of stochastic damage and failure verified on a TiAl polycrystal	Kabir M.R., Corneec A.,	Materials Science and Engineering A	748		146	160	2019	4,081	10.1016/j.msea.2019.01.045	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85060766539&amp;doi=10.1016%2fj.msea.2019.01.045&amp;partnerID=40&amp;md5=40ba08d46431b46bdf82cc221e7719a">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85060766539&amp;doi=10.1016%2fj.msea.2019.01.045&amp;partnerID=40&amp;md5=40ba08d46431b46bdf82cc221e7719a</a>		AEM
117	Influence of Microstructure Evolution During Twin-Roll Casting on the Properties of Magnesium Sheets	Kainer K.U., Kurz G., Pakulat S., Letzig D.,	Minerals, Metals and Materials Series			1677	1686	2019	Scopus	10.1007/978-3-030-05861-6_155	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064858153&amp;doi=10.1007%2f978-3-030-05861-6_155&amp;partnerID=40&amp;md5=5dbb28af6868aac21db12dc86809e5">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064858153&amp;doi=10.1007%2f978-3-030-05861-6_155&amp;partnerID=40&amp;md5=5dbb28af6868aac21db12dc86809e5</a>		AEM

No.	Title	Author	Source	Volume	Issue	Page start	Page end	Year	Impact-Factor	DOI	Link	Open Access	HGF-Programme
118	Small-Angle Neutron Scattering and Magnetically Heterogeneous State in Sr <sub>2</sub> FeMoO <sub>6-δ</sub>	Kalanda N., Garamus V., Avdeev M., Zheludkevich M., Yarmolich M., Serdechnova M., Florian Wieland D.C., Petrov A., Zhaludkevich A., Sobolev N.,	Physica Status Solidi (B) Basic Research	256	5	1800428		2019	1,454	10.1002/pssb.201800428	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063110687&amp;doi=10.1002%2fpssb.201800428&amp;partnerID=40&amp;md5=1998bc06a818354e5614358fe73dc9bd">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063110687&amp;doi=10.1002%2fpssb.201800428&amp;partnerID=40&amp;md5=1998bc06a818354e5614358fe73dc9bd</a>		AEM/MML
119	Effect of laser peening process parameters and sequences on residual stress profiles	Kallien Z., Keller S., Ventzke V., Kashaev N., Klusemann B.,	Metals	9	6	655		2019	2,259	10.3390/met9060655	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85069462050&amp;doi=10.3390%2fmet9060655&amp;partnerID=40&amp;md5=07dd5f09fe110222bfff6d6fa7ecadf5a">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85069462050&amp;doi=10.3390%2fmet9060655&amp;partnerID=40&amp;md5=07dd5f09fe110222bfff6d6fa7ecadf5a</a>	DOAJ Gold	AEM
120	Fatigue behaviour of a laser beam welded CoCrFeNiMn-type high entropy alloy	Kashaev, N., Ventzke, V., Petrov, N., Horstmann, M., Zherebtsov, S., Shaysultanov, D., Sanin, V., Stepanov, N.	Materials Science and Engineering A	766				2019	4,081	10.1016/j.msea.2019.138358	<a href="https://www.scopus.com/record/display.uri?eid=2-s2.0-85071544010&amp;origin=resultslist&amp;sort=fp-1&amp;src=s&amp;sid=3381ef6a013f4c97c8f89df48206350b&amp;sot=a&amp;sdt=cl&amp;cluster=scopusbyr%2c%222020%22%2cf&amp;sessionSearchId=3381ef6a013f4c97c8f89df48206350b&amp;relpos=31&amp;citeCnt=1">https://www.scopus.com/record/display.uri?eid=2-s2.0-85071544010&amp;origin=resultslist&amp;sort=fp-1&amp;src=s&amp;sid=3381ef6a013f4c97c8f89df48206350b&amp;sot=a&amp;sdt=cl&amp;cluster=scopusbyr%2c%222020%22%2cf&amp;sessionSearchId=3381ef6a013f4c97c8f89df48206350b&amp;relpos=31&amp;citeCnt=1</a>		AEM
121	Experimentally validated multi-step simulation strategy to predict the fatigue crack propagation rate in residual stress fields after laser shock peening	Keller S., Horstmann M., Kashaev N., Klusemann B.,	International Journal of Fatigue	124		265	276	2019	3,673	10.1016/j.ijfatigue.2018.12.014	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062706258&amp;doi=10.1016%2fijfatigue.2018.12.014&amp;partnerID=40&amp;md5=fb6765fe69f92fe8fe3aed0e1065ccde">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062706258&amp;doi=10.1016%2fijfatigue.2018.12.014&amp;partnerID=40&amp;md5=fb6765fe69f92fe8fe3aed0e1065ccde</a>	Other Gold	AEM
122	Crack closure mechanisms in residual stress fields generated by laser shock peening: A combined experimental-numerical approach	Keller, S., Horstmann, M., Kashaev, N., Klusemann, B.	Engineering Fracture Mechanics	221				2019	2,908	10.1016/j.engfracmech.2019.106630	<a href="http://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=AdvancedSearch&amp;qid=2&amp;SID=C5Cn98xwzSMVN8Rwu54&amp;page=1&amp;doc=28">http://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=AdvancedSearch&amp;qid=2&amp;SID=C5Cn98xwzSMVN8Rwu54&amp;page=1&amp;doc=28</a>	OA	AEM
123	Magnesium Process and Alloy Development for Applications in the Automotive Industry	Klaumünzer D., Hernandez J.V., Yi S., Letzig D., Kim S.-H., Kim J.J., Seo M.H., Ahn K.,	Minerals, Metals and Materials Series			15	20	2019	Scopus	10.1007/978-3-030-05789-3_3	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064654583&amp;doi=10.1007%2f978-3-030-05789-3_3&amp;partnerID=40&amp;md5=0497262da1c7a7a532f6716e101e3052">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064654583&amp;doi=10.1007%2f978-3-030-05789-3_3&amp;partnerID=40&amp;md5=0497262da1c7a7a532f6716e101e3052</a>		AEM
124	Separation of carbon dioxide from real power plant flue gases by gas permeation using a supported ionic liquid membrane: An investigation of membrane stability	Klingberg P., Wilkner K., Schlüter M., Grünauer J., Shishatskiy S.,	Membranes	9	3	35		2019	Scopus	10.3390/membranes9030035	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064221827&amp;doi=10.3390%2fmembranes9030035&amp;partnerID=40&amp;md5=427b2b4cf9231ead686e1b7ff28cda93">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064221827&amp;doi=10.3390%2fmembranes9030035&amp;partnerID=40&amp;md5=427b2b4cf9231ead686e1b7ff28cda93</a>	DOAJ Gold, Green Published	AEM
125	A study of the parameters influencing mechanical properties and the fatigue performance of refill friction stir spot welded AlMgSc alloy	Lage S.B.M., Campanelli L.C., de Bribeau Guerra A.P., Shen J., dos Santos J.F., da Silva P.S.C.P., Bolfarini C.,	International Journal of Advanced Manufacturing Technology	100	01-04	101	110	2019	2,496	10.1007/s00170-018-2696-0	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85053821466&amp;doi=10.1007%2fs00170-018-2696-0&amp;partnerID=40&amp;md5=687e2a61da74f1bda59c1a7b8011f70">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85053821466&amp;doi=10.1007%2fs00170-018-2696-0&amp;partnerID=40&amp;md5=687e2a61da74f1bda59c1a7b8011f70</a>		AEM
126	Nanoporous gold: a hierarchical and multiscale 3D test pattern for characterizing X-ray nanotomography systems	Larsson E., Gürsoy D., De Carlo F., Lilleodden E., Storm M., Wilde F., Hu K., Müller M., Greving I.,	Journal of Synchrotron Radiation	26	1	194	204	2019	2,452	10.1107/S1600577518015242	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85058378963&amp;doi=10.1107%2fS1600577518015242&amp;partnerID=40&amp;md5=e113d8a8d3eab1087a6b4994315c83e8">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85058378963&amp;doi=10.1107%2fS1600577518015242&amp;partnerID=40&amp;md5=e113d8a8d3eab1087a6b4994315c83e8</a>	Green Published, Other Gold	AEM/MML

No.	Title	Author	Source	Volume	Issue	Page start	Page end	Year	Impact-Factor	DOI	Link	Open Access	HGF-Programme
127	Ceramic-reinforced $\gamma$ -TiAl-based composites: Synthesis, structure, and properties	Lazurenko D.V., Stark A., Esikov M.A., Paul J., Bataev I.A., Kashimbetova A.A., Mali V.I., Lorenz U., Pyczak F.,	Materials	12	4	629		2019	2,972	10.3390/ma12040629	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062214334&amp;doi=10.3390%2fma12040629&amp;partnerID=40&amp;md5=2b9f88034eb56ca34fc392b39470ecbf">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062214334&amp;doi=10.3390%2fma12040629&amp;partnerID=40&amp;md5=2b9f88034eb56ca34fc392b39470ecbf</a>	DOAJ Gold, Green Published	AEM/MML
128	Efficient synthesis of alkali borohydrides from mechanochemical reduction of borates using magnesium-aluminum based waste	Le T.-T., Pistidda C.; Puszkiel J., Milanese C., Garroni S., Emmler T., Capurso G., Gizer G., Klassen T., Dornheim M.	Metals	9		1061		2019	Scopus	10.3390/met9101061		OA	AEM
129	Influence of distinct manufacturing processes on the microstructure of ni-based metal matrix composites submitted to long thermal exposure	Lemos, G., Fredel, M.C., Pyczak, F., Tetzlaff, U.	Key Engineering Materials	809		79	86	2019	Scopus	10.4028/www.scientific.net/KEM.809.79			AEM
130	Microstructures and mechanical properties of a hot-extruded Mg-8Gd-3Yb-1.2Zn-0.5Zr (wt%) alloy	Li B., Guan K., Yang Q., Niu X., Zhang D., Lv S., Meng F., Huang Y., Hort N., Meng J.,	Journal of Alloys and Compounds	776		666	678	2019	4,175	10.1016/j.jallcom.2018.10.322	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85055752165&amp;doi=10.1016%2fj.jallcom.2018.10.322&amp;partnerID=40&amp;md5=4a631b6770c82ab8f39273b4053a5669">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85055752165&amp;doi=10.1016%2fj.jallcom.2018.10.322&amp;partnerID=40&amp;md5=4a631b6770c82ab8f39273b4053a5669</a>		AEM
131	Topology evolution during coarsening of nanoscale metal network structures	Li Y., Dinh Ngô B.-N., Markmann J., Weissmüller J.,	Physical Review Materials	3	7	76001		2019	2,926	10.1103/PhysRevMaterials.3.076001	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85070548020&amp;doi=10.1103%2fPhysRevMaterials.3.076001&amp;partnerID=40&amp;md5=76b1ca09984296ccdfddbfb8c4e6af2">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85070548020&amp;doi=10.1103%2fPhysRevMaterials.3.076001&amp;partnerID=40&amp;md5=76b1ca09984296ccdfddbfb8c4e6af2</a>	OA	AEM
132	Effect of ageing treatment on fatigue crack growth of die forged Al-5.87Zn-2.07Mg-2.42Cu alloy	Li Y., Xu G., Liu S., Peng X., Yin Z., Wang L., Liang X.,	Engineering Fracture Mechanics	215		251	260	2019	2,908	10.1016/j.engfracmech.2019.04.023	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065406884&amp;doi=10.1016%2fj.engfracmech.2019.04.023&amp;partnerID=40&amp;md5=da10f47f50863573e7e7a33c5f83971c">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065406884&amp;doi=10.1016%2fj.engfracmech.2019.04.023&amp;partnerID=40&amp;md5=da10f47f50863573e7e7a33c5f83971c</a>		AEM
133	Carbon Redistribution Process in Austempered Ductile Iron (ADI) During Heat Treatment—APT and Synchrotron Diffraction Study	Li, X. H.; Wagner, J. N.; Stark, A.; Koos, R.; Landesberger, M.; Hofmann, M.; Fan, G. H.; Gan, W. M.; Petry, W.	Metals	9	7	789	803	2019	2,26	10.3390/met9070789	<a href="https://www.mdpi.com/2075-4701/9/7/789">https://www.mdpi.com/2075-4701/9/7/789</a>	OA	AEM/MML
134	Loading Psoralen into liposomes to enhance its stimulatory effect on the proliferation and differentiation of mouse calvarias osteoblasts	Li, X., Garamus, V.M., Li, N., Zhe, Z., Willumeit-Römer, R., Zou, A.	Journal of Dispersion Science and Technology	40	11	1531	1538	2019	1,454	10.1080/01932691.2018.1462196			AEM/MML
135	Characteristics of gas permeation behaviour in multilayer thin film composite membranes for CO <sub>2</sub> separation	Lillepäärg J., Breitenkamp S., Shishatskiy S., Pohlmann J., Wind J., Scholles C., Brinkmann T.,	Membranes	9	2	22		2019	Scopus	10.3390/membranes9020022	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062569254&amp;doi=10.3390%2fmembranes9020022&amp;partnerID=40&amp;md5=67ee612695622e4801002b52efbacc01">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062569254&amp;doi=10.3390%2fmembranes9020022&amp;partnerID=40&amp;md5=67ee612695622e4801002b52efbacc01</a>	DOAJ Gold, Green Published	AEM
136	Surface-driven actuation: Sign reversal under load and surface load-memory effect	Liu L.-Z., Mameka N., Markmann J., Jin H.-J., Weissmüller J.,	Physical Review Materials	3	6	66001		2019	2,926	10.1103/PhysRevMaterials.3.066001	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068895548&amp;doi=10.1103%2fPhysRevMaterials.3.066001&amp;partnerID=40&amp;md5=94c5463f72e509b43f2c54913918b6b3">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068895548&amp;doi=10.1103%2fPhysRevMaterials.3.066001&amp;partnerID=40&amp;md5=94c5463f72e509b43f2c54913918b6b3</a>		AEM

No.	Title	Author	Source	Volume	Issue	Page start	Page end	Year	Impact-Factor	DOI	Link	Open Access	HGF-Programme
137	Effects of graphene on structure and corrosion resistance of plasma electrolytic oxidation coatings formed on D16T Al alloy	Liu W., Liu Y., Lin Y., Zhang Z., Feng S., Talha M., Shi Y., Shi T.,	Applied Surface Science	475		645	659	2019	5,155	10.1016/j.apsusc.2018.12.233	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85059553391&amp;doi=10.1016%2fj.apsusc.2018.12.233&amp;partnerID=40&amp;md5=0b3afe9e8cd2ea13f1da366006187713">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85059553391&amp;doi=10.1016%2fj.apsusc.2018.12.233&amp;partnerID=40&amp;md5=0b3afe9e8cd2ea13f1da366006187713</a>		AEM
138	Mechanical properties and degradation behavior of binary magnesium-silver alloy sheets	Liu Z., Feyerabend F., Bohlen J., Willumeit-Römer R., Letzig D.,	Journal of Physics and Chemistry of Solids	133		142	150	2019	2,752	10.1016/j.jpccs.2019.05.008	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065894709&amp;doi=10.1016%2fj.jpccs.2019.05.008&amp;partnerID=40&amp;md5=d7d2a69b530d550e429823192ebcf16d">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065894709&amp;doi=10.1016%2fj.jpccs.2019.05.008&amp;partnerID=40&amp;md5=d7d2a69b530d550e429823192ebcf16d</a>		AEM
139	Effects of graphene nanosheets on the ceramic coatings formed on Ti6Al4V alloy drill pipe by plasma electrolytic oxidation	Liu, WY; Blawert, C; Zheludkevich, ML; Lin, YH; Talha, M; Shi, YS; Chen, L	JOURNAL OF ALLOYS AND COMPOUNDS	789		996	1007	2019	4,175	10.1016/j.jallcom.2019.03.060			AEM
140	Abnormal extrusion texture and reversed yield asymmetry in a Mg–Y–Sm–Zn–Zr alloy	Lyu S., Zheng R., Xiao W., Huang Y., Gavras S., Hort N., Li G., Ma C.,	Materials Science and Engineering A	760		426	430	2019	4,081	10.1016/j.msea.2019.06.029	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85067045823&amp;doi=10.1016%2fj.msea.2019.06.029&amp;partnerID=40&amp;md5=3f9419960ed5f50369e2523ea12ef042">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85067045823&amp;doi=10.1016%2fj.msea.2019.06.029&amp;partnerID=40&amp;md5=3f9419960ed5f50369e2523ea12ef042</a>		AEM
141	Front-induced transitions	M.A. Gaafar, T. Baba, M. Eich, A.Y. Petrov,	Nature Photonics	13		737	748	2019	38,3	10.1038/s41566-019-0511-6			AEM
142	Ultrastrong nanocomposites with interphases: Nonlocal deformation and damage behavior	Ma S., Scheider I., Bargmann S.,	European Journal of Mechanics, A/Solids	75		93	108	2019	2,931	10.1016/j.euromechsol.2019.01.011	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85060850596&amp;doi=10.1016%2fj.euromechsol.2019.01.011&amp;partnerID=40&amp;md5=952da8fbd53e7b96a7d6a12fef0efa0c">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85060850596&amp;doi=10.1016%2fj.euromechsol.2019.01.011&amp;partnerID=40&amp;md5=952da8fbd53e7b96a7d6a12fef0efa0c</a>	Other Gold	AEM
143	Mechanical and Corrosion Properties of Two Precipitation-Hardened Mg–Y–Nd–Gd–Dy Alloys with Small Changes in Chemical Composition	Maier P., Lauth N., Mendis C.L., Bechly M., Hort N.,	JOM	71	4	1426	1435	2019	2,305	10.1007/s11837-019-03359-1	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85061245700&amp;doi=10.1007%2f11837-019-03359-1&amp;partnerID=40&amp;md5=84613c56e6ad25fd341614087f9b3782">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85061245700&amp;doi=10.1007%2f11837-019-03359-1&amp;partnerID=40&amp;md5=84613c56e6ad25fd341614087f9b3782</a>		AEM
144	Stress corrosion of the Mg–Zn–Zr alloy system using C-ring tests	Maier P., Ostermeier N., Wicke J, You S., Hort N.	MS and T 2019 - Materials Science and Technology 2019			1142	1149	2019	Scopus	10.7449/2019/MST_2019_1142_1149			AEM
145	Microstructural evolution and microhardness of direct laser clad tic dispersed titanium aluminide (Ti45Al5Nb0.5Si) alloy	Majumdar J.D., Rittinghaus S.K., Wissenbach K., Höche D., Blawert C., Weisheit A.	Procedia Manufacturing	35		840	846	2019	1,59	10.1016/j.promfg.2019.06.030		OA	AEM
146	Advanced metal matrix nanocomposites	Malaki M., Xu W., Kasar A.K., Menezes P.L., Dieringa H., Varma R.S., Gupta M.,	Metals	9	3	330		2019	2,259	10.3390/met9030330	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064201694&amp;doi=10.3390%2fmet9030330&amp;partnerID=40&amp;md5=32ae14d4237745198f635b2d4252c5bd">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064201694&amp;doi=10.3390%2fmet9030330&amp;partnerID=40&amp;md5=32ae14d4237745198f635b2d4252c5bd</a>	DOAJ Gold	AEM
147	Effect of fluoride-mediated transformations on electrocatalytic performance of thermally treated TiO <sub>2</sub> nanotubular layers	Maltanova H., Poznyak S., Ivanovskaya M., Scharnagl N., Starykevich M., Salak A.N., de Rosário Soares M., Mazanik A.,	Journal of Fluorine Chemistry	221		34	41	2019	2,055	10.1016/j.jfluchem.2019.02.006	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063424712&amp;doi=10.1016%2fj.jfluchem.2019.02.006&amp;partnerID=40&amp;md5=b1d91cc2afe4303b96669347a1369fcb">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063424712&amp;doi=10.1016%2fj.jfluchem.2019.02.006&amp;partnerID=40&amp;md5=b1d91cc2afe4303b96669347a1369fcb</a>		AEM
148	The effect of an MgO intermediate layer on a nanostructured HA coating fabricated by HVOF on an Mg alloy	Mardali M., Salimijazi H., Karimzadeh F., Luthringer-Feyerabend B.,	Surface and Coatings Technology	374		1071	1077	2019	3,192	10.1016/j.surfcoat.2019.06.092	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068474493&amp;doi=10.1016%2fj.surfcoat.2019.06.092&amp;partnerID=40&amp;md5=1248c25771e24b4d63adf245ac101981">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068474493&amp;doi=10.1016%2fj.surfcoat.2019.06.092&amp;partnerID=40&amp;md5=1248c25771e24b4d63adf245ac101981</a>		AEM

No.	Title	Author	Source	Volume	Issue	Page start	Page end	Year	Impact-Factor	DOI	Link	Open Access	HGF-Programme
149	Comparative study on microstructure and corrosion behavior of nanostructured hydroxyapatite coatings deposited by high velocity oxygen fuel and flame spraying on AZ61 magnesium based substrates	Mardali M., Salimijazi H.R., Karimzadeh F., Luthringer B., Blawert C., Labbaf S.,	Applied Surface Science	465		614	624	2019	5,155	10.1016/j.apsusc.2018.09.127	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85054162605&amp;doi=10.1016%2fj.apsusc.2018.09.127&amp;partnerID=40&amp;md5=83d1a5863aae7ed13e4e2e316402a732">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85054162605&amp;doi=10.1016%2fj.apsusc.2018.09.127&amp;partnerID=40&amp;md5=83d1a5863aae7ed13e4e2e316402a732</a>		AEM
150	CO2 reutilization for methane production: Via a catalytic process promoted by hydrides	María L. Grasso, Julián Puszkil, Luisa Fernández Albanesi, Martin Dornheim, Claudio Pistidda and Fabiana C. Gennari	Physical Chemistry Chemical Physics	21	36	19825	19834	2019	3.567	10.1039/c9cp03826d	<a href="https://pubs.rsc.org/en/content/articlelanding/2019/CP/C9CP03826D#divAbstract">https://pubs.rsc.org/en/content/articlelanding/2019/CP/C9CP03826D#divAbstract</a>		AEM
151	Proteome analysis of human mesenchymal stem cells undergoing chondrogenesis when exposed to the products of various magnesium-based materials degradation	Martínez Sánchez A.H., Omid M., Wurlitzer M., Fuh M.M., Feyerabend F., Schlüter H., Willumeit-Römer R., Luthringer B.J.C.,	Bioactive Materials	4		168	188	2019	Scopus	10.1016/j.bioactmat.2019.04.001	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064673261&amp;doi=10.1016%2fj.bioactmat.2019.04.001&amp;partnerID=40&amp;md5=f243acb9543881ca5660a39c9a3ebc9a">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064673261&amp;doi=10.1016%2fj.bioactmat.2019.04.001&amp;partnerID=40&amp;md5=f243acb9543881ca5660a39c9a3ebc9a</a>	OA	AEM
152	The effect of small-molecule bio-relevant organic components at low concentration on the corrosion of commercially pure Mg and Mg-0.8Ca alloy: An overall perspective	Mei D., Lamaka S.V., Feiler C., Zheludkevich M.L.,	Corrosion Science	153		258	271	2019	6,355	10.1016/j.corsci.2019.03.039	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063770974&amp;doi=10.1016%2fj.corsci.2019.03.039&amp;partnerID=40&amp;md5=4d461604c66f273c4eea0571b3a326f">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063770974&amp;doi=10.1016%2fj.corsci.2019.03.039&amp;partnerID=40&amp;md5=4d461604c66f273c4eea0571b3a326f</a>		AEM
153	The role of individual components of simulated body fluid on the corrosion behavior of commercially pure Mg	Mei D., Lamaka S.V., Gonzalez J., Feyerabend F., Willumeit-Römer R., Zheludkevich M.L.,	Corrosion Science	147		81	93	2019	6,355	10.1016/j.corsci.2018.11.011	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85057038817&amp;doi=10.1016%2fj.corsci.2018.11.011&amp;partnerID=40&amp;md5=126efbc33dd8afea565f1e2e6b2baa0d">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85057038817&amp;doi=10.1016%2fj.corsci.2018.11.011&amp;partnerID=40&amp;md5=126efbc33dd8afea565f1e2e6b2baa0d</a>		AEM
154	Biomimetic hard and tough nanoceramic Ti-Al-N film with self-assembled six-level hierarchy	Meindlhumer M., Zalesak J., Pitonak R., Todt J., Sartory B., Burghammer M., Stark A., Schell N., Daniel R., Keckes J.F., Lessiak M., Köpf A., Weißenbacher R., Keckes J.,	Nanoscale	11	16	7986	7995	2019	6,97	10.1039/c8nr10339a	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065110268&amp;doi=10.1039%2fc8nr10339a&amp;partnerID=40&amp;md5=ed051e500ae2c4f8b765b03f187205b5">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065110268&amp;doi=10.1039%2fc8nr10339a&amp;partnerID=40&amp;md5=ed051e500ae2c4f8b765b03f187205b5</a>	Other Gold, Green Published	AEM/MML
155	Stress-controlled decomposition routes in cubic AlCrN films assessed by in-situ high-temperature high-energy grazing incidence transmission X-ray diffraction	Meindlhumer, M., Klima, S., Jäger, N., Stark, A., Hruby, H., Mitterer, C., Keckes, J., Daniel, R.	Scientific Reports	9	1	18027		2019	4,011	10.1038/s41598-019-54307-7		OA	AEM/MML
156	Developing a die casting magnesium alloy with excellent mechanical performance by controlling intermetallic phase	Meng F., Lv S., Yang Q., Qin P., Zhang J., Guan K., Huang Y., Hort N., Li B., Liu X., Meng J.,	Journal of Alloys and Compounds	795		436	445	2019	4,175	10.1016/j.jallcom.2019.04.346	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065245218&amp;doi=10.1016%2fj.jallcom.2019.04.346&amp;partnerID=40&amp;md5=e9a92e7c0fc951ef4082b2b10e8a83ca">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065245218&amp;doi=10.1016%2fj.jallcom.2019.04.346&amp;partnerID=40&amp;md5=e9a92e7c0fc951ef4082b2b10e8a83ca</a>		AEM
157	Preparation and Characterization of Zeolite type 4A using Kaolin from Ajebo, Nigeria	Mgbemere, H. E., Ekpe, I. C., Lawal, G., Ovri, H., Chaudhary, A.-L.	Pertanika Journal of Science and Technology	27	4	2427	2438	2019	Scopus		<a href="http://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=AdvancedSearch&amp;qid=2&amp;SID=C5Cn98xwzSMVn8Rwu54&amp;page=1&amp;doc=34">http://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=AdvancedSearch&amp;qid=2&amp;SID=C5Cn98xwzSMVn8Rwu54&amp;page=1&amp;doc=34</a>		AEM

No.	Title	Author	Source	Volume	Issue	Page start	Page end	Year	Impact-Factor	DOI	Link	Open Access	HGF-Programme
158	Materials for hydrogen-based energy storage – Past, recent progress and future outlook	Michael Hirscher, Volodymyr A. Yartys, Marcello Baricco, Jose Bellosta von Colbe, Didier Blanchard, Robert C. Bowman, Jr., Darren P. Broom, Craig E. Buckley, Fei Chang, Ping Chen, Young Whan Cho, Jean-Claude Crivello, Fermin Cuevas, William I.F. David, Petra E. de Jongh, Roman V. Denys, Martin Dornheim, Michael Felderhoff, Yaroslav Filinchuk, George E. Froudakis, David M. Grant, Evan MacA. Gray, Bjørn C. Hauback, Teng He, Terry D. Humphries, Torben R. Jensen, Sangryun Kim, Yoshitsugu Kojima, Michel Latroche, Hai-Wen Li, Mykhaylo V. Lototsky, Joshua W. Makepeace, Kasper T. Möller, Lubna Naheed, Peter Ngene, Dag Noréus, Magnus Moe Nygård, Shin-ichi Orimo, Mark Paskevicius, Luca Pasquini, Dorthe B. Ravnsbæk, M. Veronica Sofianos, Terrence J. Udovic, Tejs Vegge, Gavin S. Walker, Colin J. Webb, Claudia Weidenthaler, Claudia Zlot	Journal of Alloys and Compounds	In press, Journal pre-proof				2019	4,175	https://doi.org/10.1016/j.jallcom.2019.153548	https://www.sciencedirect.com/science/article/pii/S0925838819347942?via%3Dihub	Under a Creative Commons license	AEM
159	One-step synthesis and growth mechanism of nitrate intercalated ZnAl LDH conversion coatings on zinc	Mikhailau A., Maltanova H., Poznyak S.K., Salak A.N., Zheludkevich M.L., Yasakau K.A., Ferreira M.G.S.,	Chemical Communications	55	48	6878	6881	2019	6,164	10.1039/c9cc02571e	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85067176800&doi=10.1039%2fc9cc02571e&partnerID=40&md5=9d1032dfb998ce412394432ebf20e09d		AEM
160	Complex hydrides for energy storage	Milanese C., Jensen T.R., Hauback B.C., Pistidda C., Dornheim M., Yang H., Lombardo L., Zuetzel A., Filinchuk Y., Ngene P., de Jongh P.E., Buckley C.E., Dematteis E.M., Baricco M.,	International Journal of Hydrogen Energy	44	15	7860	7874	2019	4,084	10.1016/j.ijhydene.2018.11.208	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85059224737&doi=10.1016%2fijhydene.2018.11.208&partnerID=40&md5=1ee6780ca0a7839327959abe3ae71286		AEM
161	Advanced analysis of the deformation mechanisms in extruded magnesium alloys containing neodymium or yttrium	Minárik P., Drozdenko D., Zemková M., Veselý J., Čapek J., Bohlen J., Dobroň P.,	Materials Science and Engineering A	759		455	464	2019	4,081	10.1016/j.msea.2019.05.069	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065906286&doi=10.1016%2fmsea.2019.05.069&partnerID=40&md5=c1450f2c8ea7aac7206f43db2f9a36		AEM
162	Increased structural stability in twin-roll cast AZ31 magnesium alloy processed by equal channel angular pressing	Minárik P., Zimina M., Čížek J., Stráska J., Krajiňák T., Cieslar M., Vlasák T., Bohlen J., Kurz G., Letzig D.,	Materials Characterization	153		199	207	2019	3,22	10.1016/j.matchar.2019.05.006	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065446289&doi=10.1016%2fmatachar.2019.05.006&partnerID=40&md5=44cb7997440d392dbf3dac485dbac27d		AEM
163	Role of Ca on the corrosion resistance of Mg-9Al and Mg-9Al-0.5Mn alloys	Mingo B., Mohedano M., Blawert C., del Olmo R., Hort N., Arrabal R.	JOURNAL OF ALLOYS AND COMPOUNDS	811		UNSP151992		2019	4,175	10.1016/j.jallcom.2019.151992	https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=C4YRWWIAWst2ZJa6oUs&page=1&doc=1&cacheurlFromRig htClick=no		AEM
164	Enhanced Predictive Modelling of Steel Corrosion in Concrete in Submerged Zone Based on a Dynamic Activation Approach	Mir Z.M., Höche D., Gomes C., Sampaio R., Bastos A.C., Maincon P., Ferreira M.G.S., Zheludkevich M.L.,	International Journal of Concrete Structures and Materials	13	1	11		2019	2,111	10.1186/s40069-018-0321-0	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85060757530&doi=10.1186%2fs40069-018-0321-0&partnerID=40&md5=29f851652448054447a9f81e141a47bb	DOAJ Gold	AEM

No.	Title	Author	Source	Volume	Issue	Page start	Page end	Year	Impact-Factor	DOI	Link	Open Access	HGF-Programme
165	Understanding solid solution strengthening at elevated temperatures in a creep-resistant Mg–Gd–Ca alloy	Mo N., McCarroll I., Tan Q., Ceguerra A., Liu Y., Cairney J., Dieringa H., Huang Y., Jiang B., Pan F., Birmingham M., Zhang M.-X.	Acta Materialia	181		185	199	2019	7,293	10.1016/j.actamat.2019.09.058			AEM
166	Friction stir welding of thermoplastics with a new heat-assisted tool design: mechanical properties and microstructure	Moochani A., Omidvar H., Ghaffarian S.R., Goushegir S.M.,	Welding in the World	63	1	181	190	2019	1,278	10.1007/s40194-018-00677-x	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85060278703&amp;doi=10.1007%2fs40194-018-00677-x&amp;partnerID=40&amp;md5=15c150d9f3d19182bf73272ef7925bbc">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85060278703&amp;doi=10.1007%2fs40194-018-00677-x&amp;partnerID=40&amp;md5=15c150d9f3d19182bf73272ef7925bbc</a>		AEM
167	A load frame for in situ tomography at PETRA III	Moosmann J., D. C. F. Wieland, B. Zeller-Plumhoff, S. Galli, D. Krüger, A. Ershov, S. Lautner, J. Sartori, M. Dean, S. Köhring, H. Burmester, T. Dose, N. Peruzzi, A. Wennerberg, R. Willumeit-Römer, F. Wilde, P. Heuser, J. U. Hammel and F. Beckmann	Proc. SPIE 11113, Developments in X-Ray Tomography	XII		1111318		2019	Scopus	10.1117/12.2530445			AEM/MML
168	Structural evolution of BaCe0.65Zr0.20Y0.15O3-δ-Ce0.85Gd0.15O2-δ composite MPEC membrane by in-situ synchrotron XRD analyses	Mortalò C., Santoru A., Pistidda C., Rebollo E., Boaro M., Leonelli C., Fabrizio M.,	Materials Today Energy	13		331	341	2019	Scopus	10.1016/j.mtener.2019.06.004	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068269712&amp;doi=10.1016%2fj.mtener.2019.06.004&amp;partnerID=40&amp;md5=9724d12a5a6ff21dfb34610df0af278b">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068269712&amp;doi=10.1016%2fj.mtener.2019.06.004&amp;partnerID=40&amp;md5=9724d12a5a6ff21dfb34610df0af278b</a>		AEM
169	Nanostructured Low Carbon Steels Obtained from the Martensitic State via Severe Plastic Deformation, Precipitation, Recovery, and Recrystallization	Muller, T; Bachmaier, A; Stark, A; Schell, N; Pippan, R	ADVANCED ENGINEERING MATERIALS	21	1			2019	2,906	10.1002/adem.201800202		Bronze	AEM/MML
170	Evidence of an orthorhombic transition phase in a Ti-44Al-3Mo (at.%) alloy using in situ synchrotron diffraction and transmission electron microscopy	Musi M., Erdely P., Rashkova B., Clemens H., Stark A., Staron P., Schell N., Mayer S.,	Materials Characterization	147		398	405	2019	3,22	10.1016/j.matchar.2018.11.025	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85057220719&amp;doi=10.1016%2fj.matchar.2018.11.025&amp;partnerID=40&amp;md5=08642662a9a8a855c1d9ef41138cc897">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85057220719&amp;doi=10.1016%2fj.matchar.2018.11.025&amp;partnerID=40&amp;md5=08642662a9a8a855c1d9ef41138cc897</a>	Other Gold, Green Published	AEM/MML
171	Thermal Cross Linking of Novel Azide Modified Polymers of Intrinsic Microporosity—Effect of Distribution and the Gas Separation Performance	Neumann S., Bengtson G., Meis D., Filiz V.	Polymers	11	8	1241		2019	2,935	10.3390/polym11081241	<a href="https://doi.org/10.3390/polym11081241">https://doi.org/10.3390/polym11081241</a>	OA	AEM
172	Layered double hydroxide clusters as precursors of novel multifunctional layers: A bottom-up approach	Neves C.S., Bastos A.C., Salak A.N., Starykevich M., Rocha D., Zheludkevich M.L., Cunha A., Almeida A., Tedim J., Ferreira M.G.S.,	Coatings	9	5	328		2019	2,33	10.3390/COATINGS9050328	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85069779823&amp;doi=10.3390%2fCOATINGS9050328&amp;partnerID=40&amp;md5=3d4009730ddfc91c128f942e0436eff">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85069779823&amp;doi=10.3390%2fCOATINGS9050328&amp;partnerID=40&amp;md5=3d4009730ddfc91c128f942e0436eff</a>	DOAJ Gold	AEM
173	Processing Effects on the Formability of Extruded Flat Products of Magnesium Alloys	Nienaber M., Kainer K.U., Letzig D., Bohlen J.	Frontiers in Materials	6		Article Number: 253		2019	2,689	10.3389/fmats.2019.00253		OA	AEM
174	Synthesis of Poly(3-vinylpyridine)-Block-Polystyrene Diblock Copolymers via Surfactant-Free RAFT Emulsion Polymerization	Nieswandt K., Georgopoulos P., Abetz C., Filiz V., Abetz V.	Materials	12	19	3145		2019	2,728	10.3390/ma12193145	<a href="https://doi.org/10.3390/ma12193145">https://doi.org/10.3390/ma12193145</a>	OA	AEM
175	Galvanically stimulated degradation of carbon-fiber reinforced polymer composites: A critical review	Ofoegbu S.U., Ferreira M.G.S., Zheludkevich M.L.,	Materials	12	4	651		2019	2,972	10.3390/ma12040651	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062207563&amp;doi=10.3390%2fma12040651&amp;partnerID=40&amp;md5=308256d4010ab1053e0b8b1785dce88b">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062207563&amp;doi=10.3390%2fma12040651&amp;partnerID=40&amp;md5=308256d4010ab1053e0b8b1785dce88b</a>	DOAJ Gold, Green Published	AEM

No.	Title	Author	Source	Volume	Issue	Page start	Page end	Year	Impact-Factor	DOI	Link	Open Access	HGF-Programme
176	Modification of carbon fibre reinforced polymer (CFRP) surface with sodium dodecyl sulphate for mitigation of cathodic activity	Ofoegbu S.U., Yasakau K., Kallip S., Nogueira H.I.S., Ferreira M.G.S., Zheludkevich M.L.,	Applied Surface Science	478		924	936	2019	5,155	10.1016/j.apsusc.2019.02.024	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85061323482&amp;doi=10.1016%2fj.apsusc.2019.02.024&amp;partnerID=40&amp;md5=a27ee87d8e22d100b574156a4e7e7ca4">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85061323482&amp;doi=10.1016%2fj.apsusc.2019.02.024&amp;partnerID=40&amp;md5=a27ee87d8e22d100b574156a4e7e7ca4</a>		AEM
177	Anomalously low modulus of the interpenetrating-phase composite of Fe and Mg obtained by liquid metal dealloying	Okulov I.V., Geslin P.-A., Soldatov I.V., Ovri H., Joo S.-H., Kato H.,	Scripta Materialia	163		133	136	2019	4,539	10.1016/j.scriptamat.2019.01.017	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85060187256&amp;doi=10.1016%2fj.scriptamat.2019.01.017&amp;partnerID=40&amp;md5=3570cd61a3c7b9742c3eb9c6d34937a7">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85060187256&amp;doi=10.1016%2fj.scriptamat.2019.01.017&amp;partnerID=40&amp;md5=3570cd61a3c7b9742c3eb9c6d34937a7</a>		AEM
178	Corrosion inhibition and acceleration by rare earth ions in galvanic couples	Oliveira M., Bastos A.C., Kallip S., Hack T., Zheludkevich M.L., Ferreira M.G.S.	Journal of the Electrochemical Society	166	16	C642	C648	2019	3,662	10.1149/2.076191jes			AEM
179	A combined ultrafiltration/diafiltration step facilitates the purification of cyanovirin-n from transgenic tobacco extracts	Opdensteinen P., Clodt J.I., Müschen C.R., Filiz V., Buyel J.F.,	Frontiers in Bioengineering and Biotechnology	6	JAN	206		2019	5,122	10.3389/fbioe.2018.00206	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85060386006&amp;doi=10.3389%2fbioe.2018.00206&amp;partnerID=40&amp;md5=b2372ec2b1fb5c7a24d9e39c1c6ff23a">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85060386006&amp;doi=10.3389%2fbioe.2018.00206&amp;partnerID=40&amp;md5=b2372ec2b1fb5c7a24d9e39c1c6ff23a</a>	DOAJ Gold, Green Published	AEM
180	On the Estimation of Thermal Activation Parameters for Portevin-Le Chatelier Effect from Nanoindentation Data	Ovri H., Lilleodden E.T.,	JOM					2019	2,305	10.1007/s11837-019-03697-0	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85070058323&amp;doi=10.1007%2fs11837-019-03697-0&amp;partnerID=40&amp;md5=a4efc043f50c5f1fefaede4cb84a484">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85070058323&amp;doi=10.1007%2fs11837-019-03697-0&amp;partnerID=40&amp;md5=a4efc043f50c5f1fefaede4cb84a484</a>		AEM
181	Grain-scale investigation of the anisotropy of Portevin-Le Chatelier effect in Mg AZ91 alloy	Ovri H., Steglich D., Dieringa H., Lilleodden E.T.,	Materials Science and Engineering A	740-741		226	234	2019	4,081	10.1016/j.msea.2018.10.099	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85055678044&amp;doi=10.1016%2fj.msea.2018.10.099&amp;partnerID=40&amp;md5=755759f8d3cdf8014e364e8ffc012ed">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85055678044&amp;doi=10.1016%2fj.msea.2018.10.099&amp;partnerID=40&amp;md5=755759f8d3cdf8014e364e8ffc012ed</a>		AEM
182	Material Selection Box for the Production of Advanced Polymer Membranes for Water Treatment [Material-Auswahlbox zur Herstellung fortgeschrittener Polymermembranen für die Wasseraufbereitung]	Panglich S., Kouchaki Shalmani A., Weber M., Gronwald O., Berg P., Heijnen M., Krug M., Koti M., Nahrstedt A., Abetz V., Handge U.A., Grünig L., Ulbricht M., Stratmann I.,	Chemie-Ingenieur-Technik	91	8	1162	1167	2019	1,075	10.1002/cite.20190038	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068435876&amp;doi=10.1002%2fcite.201900038&amp;partnerID=40&amp;md5=8bca19a2cc5b0c573461f18daf3ee6a1">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068435876&amp;doi=10.1002%2fcite.201900038&amp;partnerID=40&amp;md5=8bca19a2cc5b0c573461f18daf3ee6a1</a>		AEM
183	Microstructures and mechanical properties of FeCoCrNi high entropy alloy/WC reinforcing particles composite coatings prepared by laser cladding and plasma cladding	Peng Y.B., Zhang W., Li T.C., Zhang M.Y., Wang L., Song Y., Hu S.H., Hu Y.,	International Journal of Refractory Metals and Hard Materials	84				2019	2,794	10.1016/j.ijrmhm.2019.105044	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85070228163&amp;doi=10.1016%2fj.ijrmhm.2019.105044&amp;partnerID=40&amp;md5=bec7f60fd1436dbe5fc9b5d2614a833e">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85070228163&amp;doi=10.1016%2fj.ijrmhm.2019.105044&amp;partnerID=40&amp;md5=bec7f60fd1436dbe5fc9b5d2614a833e</a>		AEM/MML
184	High Temperature Optical Metamaterials	Petrov A.Y., Chirumamilla M., Vaidhyanathan G., Knopp K., Krekler T., Graf M., J alas D., Ritter M., Störmer M., Eich M.,	2019 Conference on Lasers and Electro-Optics, CLEO 2019 - Proceedings					2019	-	10.23919/CLEO.2019.8749801	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85069212189&amp;doi=10.23919%2fCLEO.2019.8749801&amp;partnerID=40&amp;md5=0f65aa0d3ed52b3b09b5bb462b5d1d17">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85069212189&amp;doi=10.23919%2fCLEO.2019.8749801&amp;partnerID=40&amp;md5=0f65aa0d3ed52b3b09b5bb462b5d1d17</a>		AEM
185	The accuracy of laser flash analysis explored by finite element method and numerical fitting	Philipp, A., Eichinger, J. F., Aydin, R. C., Georgiadis, A., Cyron, C.J., Retsch, M.	Heat and Mass Transfer						1,551	10.1007/s00231-019-02742-7	<a href="http://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=AdvancedSearch&amp;qid=2&amp;SID=C5Cn98xwzSMVNRwu54&amp;page=1&amp;doc=40">http://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=AdvancedSearch&amp;qid=2&amp;SID=C5Cn98xwzSMVNRwu54&amp;page=1&amp;doc=40</a>		AEM
186	Continuous dynamic recrystallization during hot torsion of an aluminum alloy	Poletti M.C., Simonet-Fotso T., Halici D., Canelo-Yubero D., Montheillet F., Piot D., Kovács Z., Schell N., Tolnai D.	Journal of Physics: Conference Series	1270	1	Article number: 012049		2019	Proceeding	10.1088/1742-6596/1270/1/012049		OA	AEM

No.	Title	Author	Source	Volume	Issue	Page start	Page end	Year	Impact-Factor	DOI	Link	Open Access	HGF-Programme
187	Chemical Modification of Poly(1-Trimethylsilyl-1-Propyne) for the Creation of Highly Efficient CO <sub>2</sub> -Selective Membrane Materials	Polevaya V., Geiger V., Bondarenko G., Shishatskiy S., Khotimskiy V.	Materials	12	17	2763		2019	2,728	10.3390/ma12172763	<a href="https://doi.org/10.3390/ma12172763">https://doi.org/10.3390/ma12172763</a>	OA	AEM
188	Synthesis and properties of poly(1-trimethylsilyl-1-propyne) containing methyl- and ethyl-substituted quaternary ammonium salts	Polevaya V., Geiger V., Matson S., Shandryuk G., Shishatskiy S., Khotimskiy V.	Polymer Science, Series B	61	5	613	621	2019	0,907	10.1134/S1560090419050130	<a href="https://link.springer.com/article/10.1134/S1560090419050130">https://link.springer.com/article/10.1134/S1560090419050130</a>		AEM
189	Effect of unequal levels of deformation and fragmentation on the electrochemical response of friction stir welded AA2024-T3 alloy	Queiroz, FM; Donatus, U; Ramirez, OMP; Araujo, JVD; de Viveiros, BVG; Lamaka, S; Zheludkevich, M; Masoumi, M; Vivier, V; Costa, I; de Melo, HG	ELECTROCHIMICA ACTA	313		271	281	2019	5,383	10.1016/j.electacta.2019.04.137			AEM
190	Forging of Mg–3Sn–2Ca–0.4Al Alloy Assisted by Its Processing Map and Validation Through Analytical Modeling	Rao K.P., Suresh K., Prasad Y.V.R.K., Dharmendra C., Hort N.,	Minerals, Metals and Materials Series	313	318			2019	Scopus	10.1007/978-3-030-05789-3_46	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064601083&amp;doi=10.1007%2f978-3-030-05789-3_46&amp;partnerID=40&amp;md5=0d01052ec352fde46f18b6ce4fff1de1">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064601083&amp;doi=10.1007%2f978-3-030-05789-3_46&amp;partnerID=40&amp;md5=0d01052ec352fde46f18b6ce4fff1de1</a>		AEM
191	Computational modeling of amorphous polymers: A Lagrangian logarithmic strain space formulation of a glass–rubber constitutive model	Raza S.H., Soyarslan C., Bargmann S., Klusemann B.,	Computer Methods in Applied Mechanics and Engineering	344		887	909	2019	4,821	10.1016/j.cma.2018.10.007	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85056699491&amp;doi=10.1016%2fj.cma.2018.10.007&amp;partnerID=40&amp;md5=078cdb6ba052e055bf0cfab615f1eaac">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85056699491&amp;doi=10.1016%2fj.cma.2018.10.007&amp;partnerID=40&amp;md5=078cdb6ba052e055bf0cfab615f1eaac</a>		AEM
192	Manipulation of Charge Transport by Metallic V <sub>13</sub> O <sub>16</sub> Decorated on Bismuth Vanadate Photoelectrochemical Catalyst	Ren H., Dittrich T., Ma H., Hart J.N., Fengler S., Chen S., Li Y., Wang Y., Cao F., Schieda M., Ng Y.H., Xie Z., Bo X., Koshy P., Sheppard L.R., Zhao C., Sorrell C.C.,	Advanced Materials	31	8	1807204		2019	25,809	10.1002/adma.201807204	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85059611288&amp;doi=10.1002%2fadma.201807204&amp;partnerID=40&amp;md5=670bb87bec934dcbcb4267f5ef2a4ad8">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85059611288&amp;doi=10.1002%2fadma.201807204&amp;partnerID=40&amp;md5=670bb87bec934dcbcb4267f5ef2a4ad8</a>		AEM
193	Stress-charge coupling coefficient for thin-film polypyrrole actuators – Investigation of capacitive ion exchange in the oxidized state	Roschning B., Weissmüller J.,	Electrochimica Acta	318		504	512	2019	5,383	10.1016/j.electacta.2019.05.166	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85067610244&amp;doi=10.1016%2fj.electacta.2019.05.166&amp;partnerID=40&amp;md5=2ee52be63c1230eda8f642e981b7c4d6">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85067610244&amp;doi=10.1016%2fj.electacta.2019.05.166&amp;partnerID=40&amp;md5=2ee52be63c1230eda8f642e981b7c4d6</a>	Other Gold, Green Published	AEM
194	Self-assembly of block copolymers during hollow fiber spinning: An in situ small-angle X-ray scattering study	Sankhala K., Wieland D.C.F., Koll J., Radjabian M., Abetz C., Abetz V.,	Nanoscale	11	16	7634	7647	2019	6,97	10.1039/c8nr06892e	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065117809&amp;doi=10.1039%2fc8nr06892e&amp;partnerID=40&amp;md5=4cf9408db75edb7a1a786926385494d2">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065117809&amp;doi=10.1039%2fc8nr06892e&amp;partnerID=40&amp;md5=4cf9408db75edb7a1a786926385494d2</a>		AEM/MML
195	PEO coatings design for Mg-Ca alloy for cardiovascular stent and bone regeneration applications	Santos-Coquillat A., Esteban-Lucia M., Martinez-Campos E., Moledano M., Arrabal R., Blawert C., Zheludkevich M.L., Matykina E.,	Materials Science and Engineering C	105				2019	4,959	10.1016/j.msec.2019.110026	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85069938408&amp;doi=10.1016%2fj.msec.2019.110026&amp;partnerID=40&amp;md5=646eb031438c4d55efe47226f020a732">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85069938408&amp;doi=10.1016%2fj.msec.2019.110026&amp;partnerID=40&amp;md5=646eb031438c4d55efe47226f020a732</a>		AEM
196	In-situ investigation of the oxidation behavior of metastable CVD-Ti1-xAlxN using a novel combination of synchrotron radiation XRD and DSC	Saringer C., Tkadletz M., Stark A., Schell N., Czettel C., Schalk N.,	Surface and Coatings Technology	374		617	624	2019	3,192	10.1016/j.surfcoat.2019.05.072	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85067576091&amp;doi=10.1016%2fj.surfcoat.2019.05.072&amp;partnerID=40&amp;md5=f0b51bc7dc9ef73f0b585f61b6bc6dd">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85067576091&amp;doi=10.1016%2fj.surfcoat.2019.05.072&amp;partnerID=40&amp;md5=f0b51bc7dc9ef73f0b585f61b6bc6dd</a>		AEM/MML

No.	Title	Author	Source	Volume	Issue	Page start	Page end	Year	Impact-Factor	DOI	Link	Open Access	HGF-Programme
197	Powder metal injection moulding and heat treatment of AZ81 Mg alloy	Schaper J.G., Wolff M., Wiese B., Ebel T., Willumeit-Römer R.,	Journal of Materials Processing Technology		267	241	246	2019	4,178	10.1016/j.jmatprotec.2018.12.015	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85058402285&amp;doi=10.1016%2fj.jmatprotec.2018.12.015&amp;partnerID=40&amp;md5=7c37b2de2b60161571659324ab87d3a3">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85058402285&amp;doi=10.1016%2fj.jmatprotec.2018.12.015&amp;partnerID=40&amp;md5=7c37b2de2b60161571659324ab87d3a3</a>		AEM
198	Synthesis, Transfer, and Gas Separation Characteristics of MOF-Templated Polymer Membranes	Schmitt S., Shishatskiy S., Krolla P., An Q., Begum S., Welle A., Hashem T., Grosjean S., Abetz V., Bräse S., Wöll C., Tsotsalas M.	Membranes	9	10	124		2019	5,557	10.3390/membranes9100124	<a href="https://doi.org/10.3390/membranes9100124">https://doi.org/10.3390/membranes9100124</a>	OA	AEM
199	Work hardening and recovery in fully lamellar TiAl: relative activity of deformation systems	Schnabel J.E., Bargmann S., Paul J.D.H., Oehring M., Pyczak F.,	Philosophical Magazine	99	2	148	180	2019	1,855	10.1080/14786435.2018.1532121	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85056176285&amp;doi=10.1080%2f14786435.2018.1532121&amp;partnerID=40&amp;md5=43d4ec8f655efe863590a1315dc54334">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85056176285&amp;doi=10.1080%2f14786435.2018.1532121&amp;partnerID=40&amp;md5=43d4ec8f655efe863590a1315dc54334</a>		AEM
200	Combined Computational and Experimental Study on the Influence of Surface Chemistry of Carbon-Based Electrodes on Electrode-Electrolyte Interactions in Supercapacitors	Schweizer S., Landwehr J., Etzold B.J.M., Meißner R.H., Amkreutz M., Schiffels P., Hill J.-R.,	Journal of Physical Chemistry C	123	5	2716	2727	2019	4,309	10.1021/acs.jpcc.8b07617	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85061337882&amp;doi=10.1021%2facspcc.8b07617&amp;partnerID=40&amp;md5=06ea9c476451bbd395f158965454d505">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85061337882&amp;doi=10.1021%2facspcc.8b07617&amp;partnerID=40&amp;md5=06ea9c476451bbd395f158965454d505</a>		AEM
201	Transparency induced in opals via nanometer thick conformal coating	Shang G., Furlan K.P., Zierold R., Blick R.H., Janßen R., Petrov A., Eich M.,	Scientific Reports	9	1	11379		2019	4,011	10.1038/s41598-019-47963-2	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85070337962&amp;doi=10.1038%2f41598-019-47963-2&amp;partnerID=40&amp;md5=f6b0d5e1937eeae0de61c85a64086fdd">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85070337962&amp;doi=10.1038%2f41598-019-47963-2&amp;partnerID=40&amp;md5=f6b0d5e1937eeae0de61c85a64086fdd</a>	DOAJ Gold	AEM
202	Highly selective photonic glass filter for saturated blue structural color	Shang G., Häntsch Y., Furlan K.P., Janßen R., Schneider G.A., Petrov A., Eich M.,	APL Photonics	4	4	46101		2019	4,383	10.1063/1.5084138	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063916972&amp;doi=10.1063%2f1.5084138&amp;partnerID=40&amp;md5=d7994fe1b80f982a16384ee8b749f080">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063916972&amp;doi=10.1063%2f1.5084138&amp;partnerID=40&amp;md5=d7994fe1b80f982a16384ee8b749f080</a>	DOAJ Gold, Green Published	AEM
203	Fundamental study on additive manufacturing of aluminum alloys by friction surfacing layer deposition	Shen J., Hanke S., Roos A., Santos J.F.D., Klusemann B.,	AIP Conference Proceedings	2113				2019	Proceeding	10.1063/1.5112691	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068856887&amp;doi=10.1063%2f1.5112691&amp;partnerID=40&amp;md5=bba3191bf0c9f5d06b43c3b51a2dbb3">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068856887&amp;doi=10.1063%2f1.5112691&amp;partnerID=40&amp;md5=bba3191bf0c9f5d06b43c3b51a2dbb3</a>		AEM
204	Mutual interplay of ZnO micro- and nanowires and methylene blue during cyclic photocatalysis process	Smazna D., Shree S., Polonskiy O., Lamaka S., Baum M., Zheludkevich M., Faupel F., Adelung R., Mishra Y.K.,	Journal of Environmental Chemical Engineering	7	2	103016		2019	0	10.1016/j.jece.2019.103016	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063794277&amp;doi=10.1016%2fj.jece.2019.103016&amp;partnerID=40&amp;md5=dad5efc1cfb6d781f9673446307344ce">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063794277&amp;doi=10.1016%2fj.jece.2019.103016&amp;partnerID=40&amp;md5=dad5efc1cfb6d781f9673446307344ce</a>		AEM
205	Galvanic corrosion of Ti6Al4V-AA2024 joints in aircraft environment: Modelling and experimental validation	Snihirova D., Höche D., Lamaka S., Mir Z., Hack T., Zheludkevich M.-L.	CORROSION SCIENCE	157		70	78	2019	6,355	10.1016/j.corsci.2019.04.036	<a href="https://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=GeneralSearch&amp;qid=34&amp;SID=C4XYRWIAWst2ZJa6oUs&amp;page=1&amp;doc=4&amp;cacheurlFromRightClick=no">https://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=GeneralSearch&amp;qid=34&amp;SID=C4XYRWIAWst2ZJa6oUs&amp;page=1&amp;doc=4&amp;cacheurlFromRightClick=no</a>	OA	AEM
206	Influence of inhibitor adsorption on readings of microelectrode during SVET measurements	Snihirova D., Lamaka S.V., Gonzales-Garcia Y., Yilmaz A., Scharnagl N., Montemor M.F., Zheludkevich M.L.,	ELECTROCHIMICA ACTA	322		article number UNSP 134761		2019	5,383	10.1016/j.electacta.2019.134761	<a href="https://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=GeneralSearch&amp;qid=31&amp;SID=C4XYRWIAWst2ZJa6oUs&amp;page=1&amp;doc=1&amp;cacheurlFromRightClick=no">https://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=GeneralSearch&amp;qid=31&amp;SID=C4XYRWIAWst2ZJa6oUs&amp;page=1&amp;doc=1&amp;cacheurlFromRightClick=no</a>		AEM

No.	Title	Author	Source	Volume	Issue	Page start	Page end	Year	Impact-Factor	DOI	Link	Open Access	HGF-Programme
207	Hydrogen storage properties of eutectic metal borohydrides melt-infiltrated into porous Al scaffolds	Sofianos M.V., Chaudhary A.-L., Paskevicius M., Sheppard D.A., Humphries T.D., Dornheim M., Buckley C.E.,	Journal of Alloys and Compounds	775		474	480	2019	4,175	10.1016/j.jallcom.2018.10.086	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85054926265&amp;doi=10.1016%2fj.jallcom.2018.10.086&amp;partnerID=40&amp;md5=19b9ec6b4b37049c99099237b493ac18">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85054926265&amp;doi=10.1016%2fj.jallcom.2018.10.086&amp;partnerID=40&amp;md5=19b9ec6b4b37049c99099237b493ac18</a>		AEM
208	Thermomechanical Degradation of Polyetherimide (PEI) by Friction-Based Joining and the Effects on Quasi-Static Mechanical Strength of Hybrid Joints	Sonego, M; Abibe, AB; Canevarolo , SV; Bettini, SHP; dos Santos, JF; Canto, LB; Amancio, ST	INTERNATIONAL POLYMER PROCESSING	34	1	100	110	2019	0,942	10.3139/217.3679			AEM
209	Influence of Torsion on Precipitation and Hardening Effects during Aging of an Extruded AZ91 Alloy	Song B., Liu T., Xin R., Yang H., Guo N., Chai L., Huang Y., Hort N.,	Journal of Materials Engineering and Performance	28	7	4403	4414	2019	1,476	10.1007/s11665-019-04152-6	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068195266&amp;doi=10.1007%2fs11665-019-04152-6&amp;partnerID=40&amp;md5=e50f0a8a0ca43aba4d26463f23ad1f95">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068195266&amp;doi=10.1007%2fs11665-019-04152-6&amp;partnerID=40&amp;md5=e50f0a8a0ca43aba4d26463f23ad1f95</a>		AEM
210	Evidence for deformation twinning of the D0 19 - $\alpha$ 2 phase in a high Nb containing TiAl alloy	Song L., Wang L., Oehring M., Hu X., Appel F., Lorenz U., Pyczak F., Zhang T.,	Intermetallics	109		91	96	2019	3,353	10.1016/j.intermet.2019.03.014	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063077594&amp;doi=10.1016%2fj.intermet.2019.03.014&amp;partnerID=40&amp;md5=515ba1bdcf610dda574f919c0064aa86">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063077594&amp;doi=10.1016%2fj.intermet.2019.03.014&amp;partnerID=40&amp;md5=515ba1bdcf610dda574f919c0064aa86</a>		AEM
211	Microstructure evolution and enhanced creep property of a high Nb containing TiAl alloy with carbon addition	Song, L., Hu, X., Wang, L., Stark, A., Lazurenko, D., Lorenz, U., Lin, J., Pyczak, F., Zhang, T.	Journal of Alloys and Compounds	807				2019	Scopus	10.1016/j.jallcom.2019.151649			AEM/MML
212	Mixed-Mode Deformation and Failure of a Magnesium Sheet Quantified using a Modified Arcan Fixture	Steglich, D.	Experimental Mechanics					2019	2,256	10.1007/s11340-019-00542-y	<a href="http://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=AdvancedSearch&amp;qid=2&amp;SID=C5Cn98xwzSMVN8Rwu54&amp;page=1&amp;doc=45">http://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=AdvancedSearch&amp;qid=2&amp;SID=C5Cn98xwzSMVN8Rwu54&amp;page=1&amp;doc=45</a>		AEM
213	Determination of the traverse force in friction stir welding with different tool pin profiles	Su H., Wu C.,	Science and Technology of Welding and Joining	24	3	209	217	2019	2,358	10.1080/13621718.2018.1512738	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85052332019&amp;doi=10.1080%2f13621718.2018.1512738&amp;partnerID=40&amp;md5=bc048284d2a02b87a46ec11f3884ec08">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85052332019&amp;doi=10.1080%2f13621718.2018.1512738&amp;partnerID=40&amp;md5=bc048284d2a02b87a46ec11f3884ec08</a>		AEM
214	Welding Multilayer Materials by Refill Friction Stir Spot Welding	Suhuddin U., Gera D., Alcantara N., dos Santos J.,	Minerals, Metals and Materials Series	245	253			2019	Scopus	10.1007/978-3-030-05752-7_23	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064765836&amp;doi=10.1007%2f978-3-030-05752-7_23&amp;partnerID=40&amp;md5=2337c47a7ffd63106155701275d9e313">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064765836&amp;doi=10.1007%2f978-3-030-05752-7_23&amp;partnerID=40&amp;md5=2337c47a7ffd63106155701275d9e313</a>		AEM
215	Systematically designed periodic electrophoretic deposition for decorating 3D carbon-based scaffolds with bioactive nanoparticles	Taale M., Krüger D., Ossei-Wusu E., Schütt F., Rehman M.A.U., Mishra Y.K., Marx J., Stock N., Fiedler B., Boccaccini A.R., Willumeit-Römer R., Adelung R., Selhuber-Unkel C.,	ACS Biomaterials Science and Engineering	5	9	4393	4404	2019	4,511	10.1021/acsbomaterials.9b00102	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85070717443&amp;doi=10.1021%2facsbomaterials.9b00102&amp;partnerID=40&amp;md5=510e4a66aa0f928f75a16fdee51ab61d">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85070717443&amp;doi=10.1021%2facsbomaterials.9b00102&amp;partnerID=40&amp;md5=510e4a66aa0f928f75a16fdee51ab61d</a>		AEM
216	The scaled boundary finite element method for computational homogenization of heterogeneous media	Talebi H., Silani M., Klusemann B.,	International Journal for Numerical Methods in Engineering	118	1	1	17	2019	2,746	10.1002/nme.6002	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85059486457&amp;doi=10.1002%2fnme.6002&amp;partnerID=40&amp;md5=c16ad883153c77ff0aa31b2119064970">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85059486457&amp;doi=10.1002%2fnme.6002&amp;partnerID=40&amp;md5=c16ad883153c77ff0aa31b2119064970</a>		AEM

No.	Title	Author	Source	Volume	Issue	Page start	Page end	Year	Impact-Factor	DOI	Link	Open Access	HGF-Programme
217	Temperature Dependent Diffusion of DMSO in CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> Precursor Films during Layer Formation and Impact on Solar Cells	Tan Q., Hinrichs K., Mao-Dong H., Fengler S., Rappich J., Prajontgat P., Nickel N.H., Dittrich T.,	ACS Applied Energy Materials	2	7	5116	5123	2019	8,456	10.1021/acsaem.9b00769	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85067970785&amp;doi=10.1021%2Facs.aem.9b00769&amp;partnerID=40&amp;md5=bf64f90f181c1cbeefc329c9bd432c14">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85067970785&amp;doi=10.1021%2Facs.aem.9b00769&amp;partnerID=40&amp;md5=bf64f90f181c1cbeefc329c9bd432c14</a>		AEM
218	Hydrogen sorption kinetics, hydrogen permeability, and thermal properties of compacted 2LiBH <sub>4</sub> [sbd]MgH <sub>2</sub> doped with activated carbon nanofibers	Thiangviriya S., Sithiwet C., Plerdsranoy P., Capurso G., Pistidda C., Utke O., Dornheim M., Klassen T., Utke R.,	International Journal of Hydrogen Energy	44	29	15218	15227	2019	4,084	10.1016/j.ijhydene.2019.04.146	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065595007&amp;doi=10.1016%2Fijhydene.2019.04.146&amp;partnerID=40&amp;md5=ceee43d797e039d88131501de2d886ee">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065595007&amp;doi=10.1016%2Fijhydene.2019.04.146&amp;partnerID=40&amp;md5=ceee43d797e039d88131501de2d886ee</a>		AEM
219	Simulation of neck growth and shrinkage for realistic temperature profiles – Determination of diffusion coefficients in a practical oriented procedure	Thomsen F., Ebel T., Willumeit-Römer R.,	Scripta Materialia	168		108	113	2019	4,539	10.1016/j.scriptamat.2019.04.034	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065103110&amp;doi=10.1016%2Fscriptamat.2019.04.034&amp;partnerID=40&amp;md5=d94cf7c700d47d4b934f7eba2f2db15d">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065103110&amp;doi=10.1016%2Fscriptamat.2019.04.034&amp;partnerID=40&amp;md5=d94cf7c700d47d4b934f7eba2f2db15d</a>		AEM
220	Degradation behaviour of Mg-4Ag and Mg-5Gd alloys under in-vitro conditions and different time-frames	Tiyyagura Reddy H., Petovar B., Finšgar M., Willumeit-Römer R., Luthringer B.J.C., Mohan M.K., Kokol V.,	Journal of Alloys and Compounds	774		980	987	2019	4,175	10.1016/j.jallcom.2018.09.330	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85054688208&amp;doi=10.1016%2Fj.jallcom.2018.09.330&amp;partnerID=40&amp;md5=5c2d5e9d3aeb417b9a5a7d6e8ec87792">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85054688208&amp;doi=10.1016%2Fj.jallcom.2018.09.330&amp;partnerID=40&amp;md5=5c2d5e9d3aeb417b9a5a7d6e8ec87792</a>		AEM
221	In situ synchrotron diffraction analysis of Zn additions on the compression properties of NK30	Tolnai D., Dupont M.-A., Gavras S., Fekete-Horváth K., Stark A., Schell N., Máthis K.	Materials	12	23	Article number 3935		2019	2,972	10.3390/ma12233935		OA	AEM/MML
222	Thermo-mechanical Processing of EZK Alloys in a Synchrotron Radiation Beam	Tolnai D., Dupont M.-A., Gavras S., Mathis K., Horvath K., Stark A., Schell N.,	Minerals, Metals and Materials Series	297	303			2019	Scopus	10.1007/978-3-030-05789-3_44	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064619449&amp;doi=10.1007%2F978-3-030-05789-3_44&amp;partnerID=40&amp;md5=3ebb4dc0bc980e6bb1c55be182865bf7">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064619449&amp;doi=10.1007%2F978-3-030-05789-3_44&amp;partnerID=40&amp;md5=3ebb4dc0bc980e6bb1c55be182865bf7</a>		AEM/MML
223	Deformation Mechanisms in Metastable Austenitic TRIP/TWIP Steels under Compressive Load Studied by in situ Synchrotron Radiation Diffraction	Ullrich C., Martin S., Schimpf C., Stark A., Schell N., Rafaja D.,	Advanced Engineering Materials	21	5	1801101		2019	2,906	10.1002/adem.201801101	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85057317221&amp;doi=10.1002%2Fadem.201801101&amp;partnerID=40&amp;md5=5d38c8bbf62870f1365a84b0c3cc9565">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85057317221&amp;doi=10.1002%2Fadem.201801101&amp;partnerID=40&amp;md5=5d38c8bbf62870f1365a84b0c3cc9565</a>		AEM/MML
224	Refill friction stir spot welded AA5754-H22/Ti-6Al-4V joints: Microstructural characterization and electrochemical corrosion behavior of aluminum surfaces	Vacchi, G.S., Silva, R., Plaine, A.H., Suhuddin, U.F.H., Alcântara, N.G., Sordi, V.L., Rovere, C.A.D.	Materials Today Communication			100759		2019	1,859	10.1016/j.mtcomm.2019.100759	<a href="https://www.scopus.com/record/display.uri?eid=2-s2.0-85075354856&amp;origin=resultslist&amp;sort=lp-ft&amp;src=s&amp;sid=973ebbf44c754b1b2a74877303f840ab&amp;sot=a&amp;sdt=a&amp;sessionSearchId=973ebbf44c754b1b2a74877303f840ab&amp;relpos=56&amp;citeCnt=0">https://www.scopus.com/record/display.uri?eid=2-s2.0-85075354856&amp;origin=resultslist&amp;sort=lp-ft&amp;src=s&amp;sid=973ebbf44c754b1b2a74877303f840ab&amp;sot=a&amp;sdt=a&amp;sessionSearchId=973ebbf44c754b1b2a74877303f840ab&amp;relpos=56&amp;citeCnt=0</a>		AEM
225	Comparison of Friction Surfacing Process and Coating Characteristics of Ti-6Al-4V and Ti Grade 1	Vale N., Fitseva V., Urtiga Filho S.L., dos Santos J.F., Hanke S.,	JOM					2019	2,305	10.1007/s11837-019-03677-4	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85069930732&amp;doi=10.1007%2Fs11837-019-03677-4&amp;partnerID=40&amp;md5=d6d80264398d00f049b51f84072575e0">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85069930732&amp;doi=10.1007%2Fs11837-019-03677-4&amp;partnerID=40&amp;md5=d6d80264398d00f049b51f84072575e0</a>		AEM

No.	Title	Author	Source	Volume	Issue	Page start	Page end	Year	Impact-Factor	DOI	Link	Open Access	HGF-Programme
226	A mechanochemical route for the synthesis of VNbO5 and its structural re-investigation using structure solution from powder diffraction data	Valentoni A., Barra P., Senes N., Mulas G., Pistidda C., Bednarcik J., Torre F., Garroni S., Enzo S.,	Dalton Transactions	48	29	10986	10995	2019	4,052	10.1039/c9dt01236b	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85069780328&amp;doi=10.1039%2fc9dt01236b&amp;partnerID=40&amp;md5=421275e01fc93a48eb102ad1410a8929">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85069780328&amp;doi=10.1039%2fc9dt01236b&amp;partnerID=40&amp;md5=421275e01fc93a48eb102ad1410a8929</a>		AEM
227	Comparison of the Mechanical Properties and Forming Behavior of Two Texture-Weakened Mg-Sheet Alloys Produced by Twin Roll Casting	Victoria-Hernández J., Yi S., Klaumünzer D., Letzig D.	Frontiers in Materials	6	Article Number: 288			2019	2,689	10.3389/fmats.2019.00288		OA	AEM
228	Recrystallization behavior and its relationship with deformation mechanisms of a hot rolled Mg-Zn-Ca-Zr alloy	Victoria-Hernández J., Yi S., Klaumünzer D., Letzig D.,	Materials Science and Engineering A	761				2019	4,081	10.1016/j.msea.2019.138054	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85067632295&amp;doi=10.1016%2fj.msea.2019.138054&amp;partnerID=40&amp;md5=0f884d8601e6cea159280d4d6c04ecc0">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85067632295&amp;doi=10.1016%2fj.msea.2019.138054&amp;partnerID=40&amp;md5=0f884d8601e6cea159280d4d6c04ecc0</a>		AEM
229	Special Section "Light Materials - Science and Technology"	von Hehl, A; Hirsch, J; Kainer, KU; Leyens, C	ADVANCED ENGINEERING MATERIALS	21	4			2019	2,906	10.1002/adem.201900232		Bronze	AEM
230	Effect of Alloying with Rare-Earth Metals on the Degradation of Magnesium Alloys Studied Using a Combination of Isothermal Calorimetry and Pressure Measurements	Wadsö L., Hort N., Orlov D.,	Minerals, Metals and Materials Series	121	126			2019	Scopus	10.1007/978-3-030-05789-3_19	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064667987&amp;doi=10.1007%2f978-3-030-05789-3_19&amp;partnerID=40&amp;md5=46e9f1baac4af74c48a62877415e3225">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064667987&amp;doi=10.1007%2f978-3-030-05789-3_19&amp;partnerID=40&amp;md5=46e9f1baac4af74c48a62877415e3225</a>		AEM
231	Growth and coarsening kinetics of gamma prime precipitates under simulated additive manufacturing conditions	Wahlmann, B., Galgon, F., Stark, A., Gayer, S., Schell, N., Staron, P., Körner, C.	Acta Materialia	180		84	96	2019	Scopus	10.1016/j.actamat.2019.08.049	<a href="https://www.scopus.com/record/display.uri?eid=2-s2.0-85071984914&amp;origin=resultslist&amp;sort=plf-if&amp;src=s&amp;sid=562a5995be35121333152487c5d41fab&amp;ot=autdocs&amp;dt=autdocs&amp;sl=18&amp;s=AU-ID%2857203056768%29&amp;relpos=3&amp;citeCnt=0&amp;searchTerm=">https://www.scopus.com/record/display.uri?eid=2-s2.0-85071984914&amp;origin=resultslist&amp;sort=plf-if&amp;src=s&amp;sid=562a5995be35121333152487c5d41fab&amp;ot=autdocs&amp;dt=autdocs&amp;sl=18&amp;s=AU-ID%2857203056768%29&amp;relpos=3&amp;citeCnt=0&amp;searchTerm=</a>		AEM/MML
232	Selective laser melting under the reactive atmosphere: A convenient and efficient approach to fabricate ultrahigh strength commercially pure titanium without sacrificing ductility	Wang D.W., Zhou Y.H., Shen J., Liu Y., Li D.F., Zhou Q., Sha G., Xu P., Ebel T., Yan M.,	Materials Science and Engineering A	762				2019	4,081	10.1016/j.msea.2019.138078	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068236072&amp;doi=10.1016%2fj.msea.2019.138078&amp;partnerID=40&amp;md5=4e26c56b784695114bd2f0d3b021ff34">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068236072&amp;doi=10.1016%2fj.msea.2019.138078&amp;partnerID=40&amp;md5=4e26c56b784695114bd2f0d3b021ff34</a>		AEM
233	Microstructure, phase stability and element partitioning of $\gamma$ - $\gamma'$ Co-9Al-9W-2X alloys in different annealing conditions	Wang L., Oehring M., Li Y., Song L., Liu Y., Stark A., Lorenz U., Pyczak F.,	Journal of Alloys and Compounds	787		594	605	2019	4,175	10.1016/j.jallcom.2019.01.289	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85061541760&amp;doi=10.1016%2fj.jallcom.2019.01.289&amp;partnerID=40&amp;md5=b34917c4ea78983216bf8653f0b48869">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85061541760&amp;doi=10.1016%2fj.jallcom.2019.01.289&amp;partnerID=40&amp;md5=b34917c4ea78983216bf8653f0b48869</a>		AEM/MML
234	Site occupancy of alloying elements in the L12 structure determined by channeling enhanced microanalysis in $\gamma/\gamma'$ Co-9Al-9W-2X alloys	Wang L., Oehring M., Liu Y., Lorenz U., Pyczak F.,	Acta Materialia	162	176		188	2019	7,293	10.1016/j.actamat.2018.09.059	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85054459276&amp;doi=10.1016%2fj.actamat.2018.09.059&amp;partnerID=40&amp;md5=5e6abd58483d33a589755738438af858">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85054459276&amp;doi=10.1016%2fj.actamat.2018.09.059&amp;partnerID=40&amp;md5=5e6abd58483d33a589755738438af858</a>		AEM
235	Microstructures, Corrosion and Mechanical Properties of Mg-Si Alloys as Biodegradable Implant Materials	Wang W., Gao M., Huang Y., Tan L., Yang K., Hort N.,	Minerals, Metals and Materials Series			151	157	2019	Scopus	10.1007/978-3-030-05789-3_23	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064614964&amp;doi=10.1007%2f978-3-030-05789-3_23&amp;partnerID=40&amp;md5=a4a616d29c736c3a24cd9a5e9d38a50f">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064614964&amp;doi=10.1007%2f978-3-030-05789-3_23&amp;partnerID=40&amp;md5=a4a616d29c736c3a24cd9a5e9d38a50f</a>		AEM

No.	Title	Author	Source	Volume	Issue	Page start	Page end	Year	Impact-Factor	DOI	Link	Open Access	HGF-Programme
236	Identification of Laves phases in a Zr or Hf containing $\gamma$ - $\gamma'$ Co-base superalloy	Wang, L., Song, L., Stark, A., Liu, Y., Oehring, M., Lorenz, U., Pyczak, F.	Journal of Alloys and Compounds	805		880	886	2019	Scopus	10.1016/j.jallcom.2019.07.121			AEM/MML
237	In-situ synchrotron X-ray diffraction of Ti-6Al-4V during thermomechanical treatment in the beta field	Warchomicka, Fernando; David Canelo-Yubero, Egon Zehetner, Guillermo Requena, Andreas Stark, Cecilia Poletti	Metals	9	8	862		2019	2,259	10.3390/met9080862			AEM/MML
238	Novel polymeric thin-film composite membranes for high-temperature gas separations	Weigelt F., Escorihuela S., Descalzo A., Tena A., Escolástico S., Shishatskiy S., Serra J.M., Brinkmann T.,	Membranes	9	4	51		2019	Scopus	10.3390/membranes9040051	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068415831&amp;doi=10.3390%2fmembranes9040051&amp;partnerID=40&amp;md5=cce36f9cdf86cca54e9469c2af971a81">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068415831&amp;doi=10.3390%2fmembranes9040051&amp;partnerID=40&amp;md5=cce36f9cdf86cca54e9469c2af971a81</a>	DOAJ Gold	AEM
239	Deformation-induced phase transformation in a Co-Cr-W-Mo alloy studied by high-energy x-ray diffraction during in-situ compression tests	Weißensteiner, I., Petersmann, M. Erdely, P., Stark, A., Antretter, T., Clemens, H., and Maier-Kiener, V.	Acta Materialia	164		272	282	2019	7,293	10.1016/j.actamat.2018.10.035	<a href="https://www.scopus.com/record/display.uri?eid=2-s2.0-85055900993&amp;origin=resultslist&amp;sort=plf-f&amp;src=s&amp;st1=Wei%2fc3%2f9fensteine%2c+%2c&amp;st2=&amp;sid=3e8fddaef586d5233b040566f4b78f1&amp;sot=b&amp;sd=b&amp;sl=29&amp;s=AUTHOR-NAME%28Wei%2fc3%2f9fensteiner%2c+%29&amp;relpos=1&amp;citeCnt=1&amp;searchTerm=">https://www.scopus.com/record/display.uri?eid=2-s2.0-85055900993&amp;origin=resultslist&amp;sort=plf-f&amp;src=s&amp;st1=Wei%2fc3%2f9fensteine%2c+%2c&amp;st2=&amp;sid=3e8fddaef586d5233b040566f4b78f1&amp;sot=b&amp;sd=b&amp;sl=29&amp;s=AUTHOR-NAME%28Wei%2fc3%2f9fensteiner%2c+%29&amp;relpos=1&amp;citeCnt=1&amp;searchTerm=</a>		AEM/MML
240	Adsorption-strain coupling at solid surfaces	Weissmüller J.,	Current Opinion in Chemical Engineering	24		45	53	2019	4,463	10.1016/j.coche.2018.12.012	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062240434&amp;doi=10.1016%2fj.coche.2018.12.012&amp;partnerID=40&amp;md5=ffafbd4d870ce87e69418be26c3a3979">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062240434&amp;doi=10.1016%2fj.coche.2018.12.012&amp;partnerID=40&amp;md5=ffafbd4d870ce87e69418be26c3a3979</a>	Green Published, Other Gold	AEM
241	Three-dimensional visualization of phase transition in polystyrene-block-polydimethylsiloxane thin film	Wen T., Wang H.-F., Georgopoulos P., Avgeropoulos A., Ho R.-M.,	Polymer	167		209	214	2019	3,771	10.1016/j.polymer.2019.01.047	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062151084&amp;doi=10.1016%2fj.polymer.2019.01.047&amp;partnerID=40&amp;md5=d58376e709bb62028035fb2b62d94f31">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062151084&amp;doi=10.1016%2fj.polymer.2019.01.047&amp;partnerID=40&amp;md5=d58376e709bb62028035fb2b62d94f31</a>		AEM
242	The Interface Between Degradable Mg and Tissue	Willumeit-Römer R.,	JOM	71	4	1447	1455	2019	2,305	10.1007/s11837-019-03368-0	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85061610913&amp;doi=10.1007%2f978-0-19-03368-0&amp;partnerID=40&amp;md5=6881fd1e67f594a4e243a45d1ce409e1">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85061610913&amp;doi=10.1007%2f978-0-19-03368-0&amp;partnerID=40&amp;md5=6881fd1e67f594a4e243a45d1ce409e1</a>	Other Gold	AEM
243	FFF of Mg-Alloys for Biomedical Application	Wolff M., Mesterknecht T., Bals A., Ebel T., Willumeit-Römer R.,	Minerals, Metals and Materials Series			43	49	2019	Scopus cite score: 0,26	10.1007/978-3-030-05789-3_8	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064607877&amp;doi=10.1007%2f978-3-030-05789-3_8&amp;partnerID=40&amp;md5=b96c442d351127e6f7cf15ac42e0254d">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064607877&amp;doi=10.1007%2f978-3-030-05789-3_8&amp;partnerID=40&amp;md5=b96c442d351127e6f7cf15ac42e0254d</a>		AEM
244	Data science based mg corrosion engineering	Würger T., Feiler C., Musil F., Feldbauer G.B.V., Höche D., Lamaka S.V., Zheludkevich M.L., Meißner R.H.,	Frontiers in Materials	6		1	9	2019	2,689	10.3389/fmats.2019.00053	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064212974&amp;doi=10.3389%2f978-0-19-00053&amp;partnerID=40&amp;md5=76fdb64ccdf0f9bd421b47f0a5c1a63">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064212974&amp;doi=10.3389%2f978-0-19-00053&amp;partnerID=40&amp;md5=76fdb64ccdf0f9bd421b47f0a5c1a63</a>	DOAJ Gold, Green Published	AEM
245	Calculation of Schmid factor in Mg alloys: Influence of stress state	Xia D., Chen X., Huang G., Jiang B., Tang A., Yang H., Gavras S., Huang Y., Hort N., Pan F.,	Scripta Materialia	171		31	35	2019	4,539	10.1016/j.scriptamat.2019.06.014	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85067862245&amp;doi=10.1016%2fj.scriptamat.2019.06.014&amp;partnerID=40&amp;md5=30822c7a8a754dcd8ad32dca4d90aa3">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85067862245&amp;doi=10.1016%2fj.scriptamat.2019.06.014&amp;partnerID=40&amp;md5=30822c7a8a754dcd8ad32dca4d90aa3</a>		AEM

No.	Title	Author	Source	Volume	Issue	Page start	Page end	Year	Impact-Factor	DOI	Link	Open Access	HGF-Programme
246	Microscopic deformation compatibility during biaxial tension in AZ31 Mg alloy rolled sheet at room temperature	Xia D., Huang G., Liu S., Tang A., Gavras S., Huang Y., Hort N., Jiang B., Pan F.,	Materials Science and Engineering A	756		1	10	2019	4,081	10.1016/j.msea.2019.04.029	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064165573&amp;doi=10.1016%2fj.msea.2019.04.029&amp;partnerID=40&amp;md5=227d077b50c772378b967b4498bbd7ec">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064165573&amp;doi=10.1016%2fj.msea.2019.04.029&amp;partnerID=40&amp;md5=227d077b50c772378b967b4498bbd7ec</a>		AEM
247	Effect of magnesium-degradation products and hypoxia on the angiogenesis of human umbilical vein endothelial cells	Xu L., Willumeit-Römer R., Luthringer-Feyerabend B.J.C.,	Acta Biomaterialia	98		269	283	2019	6,638	10.1016/j.actbio.2019.02.018	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062145048&amp;doi=10.1016%2fj.actbio.2019.02.018&amp;partnerID=40&amp;md5=5509431bc8925df7564abe5aaf0d1885">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062145048&amp;doi=10.1016%2fj.actbio.2019.02.018&amp;partnerID=40&amp;md5=5509431bc8925df7564abe5aaf0d1885</a>		AEM
248	Hypoxia influences the effects of magnesium degradation products on the interactions between endothelial and mesenchymal stem cells	Xu Lei, Willumeit-Römer Regine, Luthringer-Feyerabend Bérengère	Acta Biomaterialia	101		624	638	2019	6,638	10.1016/j.actbio.2019.10.018			AEM
249	Effect of Nd Additions on the Mechanical Properties of Mg Binary Alloys	Xu Y., Gavras S., Gensch F., Kainer K.U., Hort N.	JOM	72		517	522	2019	2,305	10.1007/s11837-019-03877-y	<a href="https://link.springer.com/article/10.1007/s11837-019-03877-y">https://link.springer.com/article/10.1007/s11837-019-03877-y</a>		AEM
250	YSZ Hollow Sphere Photonic Glasses: Tailoring Optical Properties for Highly Saturated Non-Iridescent Structural Coloration	Y.Häntsch G. Shang A. Petrov M. Eich, G.A. Schneider	Advanced Optical Materials	7	18	1900428		2019	7,4	10.1002/adom.201900428			AEM
251	Influences of AlN/Al Nanoparticles on the Creep Properties of Elektron21 Prepared by High Shear Dispersion Technology	Yang H., Huang Y., Gavras S., Kainer K.U., Hort N., Dieringa H.,	JOM	71	7	2245	2252	2019	2,305	10.1007/s11837-019-03499-4	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-8506551507&amp;doi=10.1007%2fs11837-019-03499-4&amp;partnerID=40&amp;md5=ae2244a71ffe108d13b8bf884dad6c1">https://www.scopus.com/inward/record.uri?eid=2-s2.0-8506551507&amp;doi=10.1007%2fs11837-019-03499-4&amp;partnerID=40&amp;md5=ae2244a71ffe108d13b8bf884dad6c1</a>		AEM
252	Enhancing the creep resistance of AlN/Al nanoparticles reinforced Mg-2.85Nd-0.92Gd-0.41Zr-0.29Zn alloy by a high shear dispersion technique	Yang H., Huang Y., Song B., Kainer K.U., Dieringa H.,	Materials Science and Engineering A	755		18	27	2019	4,081	10.1016/j.msea.2019.03.131	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063761600&amp;doi=10.1016%2fj.msea.2019.03.131&amp;partnerID=40&amp;md5=48de7cce1613c81039273c760b86d317">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063761600&amp;doi=10.1016%2fj.msea.2019.03.131&amp;partnerID=40&amp;md5=48de7cce1613c81039273c760b86d317</a>		AEM
253	Influences of Al and high shearing dispersion technique on the microstructure and creep resistance of Mg-2.85Nd-0.92Gd-0.41Zr-0.29Zn alloy	Yang H., Huang Y., Tolnai D., Kainer K.U., Dieringa H.,	Materials Science and Engineering A	764				2019	4,081	10.1016/j.msea.2019.138215	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85069993544&amp;doi=10.1016%2fj.msea.2019.138215&amp;partnerID=40&amp;md5=8c992740f60015b64b06c1631b9ce833">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85069993544&amp;doi=10.1016%2fj.msea.2019.138215&amp;partnerID=40&amp;md5=8c992740f60015b64b06c1631b9ce833</a>		AEM
254	Modification of microstructure and texture in highly non-flammable Mg-Al-Zn-Y-Ca alloy sheets by controlled thermomechanical processes	Yi S., Victoria-Hernández J., Kim Y.M., Letzig D., You B.S.,	Metals	9	2	181		2019	2,259	10.3390/met9020181	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062370003&amp;doi=10.3390%2fmet9020181&amp;partnerID=40&amp;md5=ff68ad04045be12730a3a74ed000945e">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062370003&amp;doi=10.3390%2fmet9020181&amp;partnerID=40&amp;md5=ff68ad04045be12730a3a74ed000945e</a>	DOAJ Gold	AEM
255	The Role of Second Phases on the Creep Behavior of As-Cast and Hot-Extruded Mg-Ca-Zr Alloys	You S., Huang Y., Dieringa H., Maawad E., Gan W., Kainer K.U., Hort N.,	JOM	71	7	2227	2234	2019	2,305	10.1007/s11837-019-03515-7	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065408251&amp;doi=10.1007%2fs11837-019-03515-7&amp;partnerID=40&amp;md5=0554ebbb8525b53087d35f8d0ebc673f">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065408251&amp;doi=10.1007%2fs11837-019-03515-7&amp;partnerID=40&amp;md5=0554ebbb8525b53087d35f8d0ebc673f</a>		AEM/MML
256	Analysis of the bone ultrastructure around biodegradable Mg-xGd implants using small angle X-ray scattering and X-ray diffraction	Zeller-Plumhoff B., Malich C., Krüger D., Campbell G., Wiese B., Galli S., Wennerberg A., Willumeit-Römer R., Wieland D.C.F.	Acta Biomaterialia	101		637	645	2019?	6,638	10.1016/j.actbio.2019.11.030		open access: CC BY 4.0	AEM

No.	Title	Author	Source	Volume	Issue	Page start	Page end	Year	Impact-Factor	DOI	Link	Open Access	HGF-Programme
257	Role of deformation mechanisms and grain growth in microstructure evolution during recrystallization of Mg-Nd based alloys	Zeng X., Minárik P., Dobroň P., Letzig D., Kainer K.U., Yi S.,	Scripta Materialia	166		53	57	2019	4,539	10.1016/j.scriptamat.2019.02.045	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062540700&amp;doi=10.1016%2fj.scriptamat.2019.02.045&amp;partnerID=40&amp;md5=e375952aa7d2e2354062ee41edd0249e">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062540700&amp;doi=10.1016%2fj.scriptamat.2019.02.045&amp;partnerID=40&amp;md5=e375952aa7d2e2354062ee41edd0249e</a>	Other Gold	AEM
258	Investigation and application of mussel adhesive protein nanocomposite film-forming inhibitor for reinforced concrete engineering	Zhang F., Chen C., Hou R., Li J., Cao Y., Dong S., Lin C., Pan J.,	Corrosion Science	153		333	340	2019	6,355	10.1016/j.corsci.2019.03.023	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063986188&amp;doi=10.1016%2fj.corsci.2019.03.023&amp;partnerID=40&amp;md5=29b241fb121f30037e396df95a62659d">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063986188&amp;doi=10.1016%2fj.corsci.2019.03.023&amp;partnerID=40&amp;md5=29b241fb121f30037e396df95a62659d</a>		AEM
259	Gradient distribution of microstructures and mechanical properties in a fcc/nb high-entropy alloy during spark plasma sintering	Zhang M., Peng Y., Zhang W., Liu Y., Wang L., Hu S., Hu Y.,	Metals	9	3	351		2019	2,259	10.3390/met9030351	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064214475&amp;doi=10.3390%2fmet9030351&amp;partnerID=40&amp;md5=284ae70f67848f92d1930ce7d443a15a">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064214475&amp;doi=10.3390%2fmet9030351&amp;partnerID=40&amp;md5=284ae70f67848f92d1930ce7d443a15a</a>	DOAJ Gold	AEM
260	Unexpected Expansion Behavior of Mg-Al Alloys During Isothermal Ageing	Zhang X., Huang Y., Li X., Gan W., Kainer K.U., Hort N.,	JOM	71	8	2906	2912	2019	2,305	10.1007/s11837-019-03516-6	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065546596&amp;doi=10.1007%2fs11837-019-03516-6&amp;partnerID=40&amp;md5=3af62d1bddd67521ef83ca63df713a0">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065546596&amp;doi=10.1007%2fs11837-019-03516-6&amp;partnerID=40&amp;md5=3af62d1bddd67521ef83ca63df713a0</a>		AEM/MML
261	Quaternization of a Polystyrene-block-poly(4-vinylpyridine) Isoporous Membrane: An Approach to Tune the Pore Size and the Charge Density	Zhang Z., Rahman M.M., Abetz C., Bajer B., Wang J., Abetz V.,	Macromolecular Rapid Communications	40	3	1800729		2019	4,078	10.1002/marc.201800729	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85056270485&amp;doi=10.1002%2fmarc.201800729&amp;partnerID=40&amp;md5=5bc8b9e3672e26744c61a2aaa7650d43">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85056270485&amp;doi=10.1002%2fmarc.201800729&amp;partnerID=40&amp;md5=5bc8b9e3672e26744c61a2aaa7650d43</a>		AEM
262	Selective laser melting enabled additive manufacturing of Ti-22Al-25Nb intermetallic: Excellent combination of strength and ductility, and unique microstructural features associated	Zhou Y.H., Li W.P., Wang D.W., Zhang L., Ohara K., Shen J., Ebel T., Yan M.,	Acta Materialia	173		117	129	2019	7,293	10.1016/j.actamat.2019.05.008	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065558439&amp;doi=10.1016%2fj.actamat.2019.05.008&amp;partnerID=40&amp;md5=d58bd2604b6b9fc592419c54bdd96f2b">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065558439&amp;doi=10.1016%2fj.actamat.2019.05.008&amp;partnerID=40&amp;md5=d58bd2604b6b9fc592419c54bdd96f2b</a>		AEM

No.	Title	Author	Source	Volume	Issue	Page start	Page end	Year	Impact-Factor	DOI	Link	Open Access	HGF-Programme
1	Functional Macromolecular Systems: Kinetic Pathways to Obtain Tailored Structures	Abetz V., Kremer K., Müller M., Reiter G.,	Macromolecular Chemistry and Physics	220	2	1800334		2019	2,622	10.1002/macp.201800334	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85056176199&amp;doi=10.1002%2fmacp.201800334&amp;partnerID=40&amp;md5=af6aa725984cd604f4d4d7797e6ffe">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85056176199&amp;doi=10.1002%2fmacp.201800334&amp;partnerID=40&amp;md5=af6aa725984cd604f4d4d7797e6ffe</a>	Other Gold	AEM/MML
2	Corrosion behavior of metal–composite hybrid joints: Influence of precipitation state and bonding zones	André N.M., Bouali A., Maawad E., Staron P., Santos J.F.D., Zheludkevich M.L., Amancio-Filho S.T.,	Corrosion Science	158		108075		2019	6,355	10.1016/j.corsci.2019.07.002	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068699043&amp;doi=10.1016%2fj.corsci.2019.07.002&amp;partnerID=40&amp;md5=c3826bcd6b26d36336b3c2a482df28a2">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068699043&amp;doi=10.1016%2fj.corsci.2019.07.002&amp;partnerID=40&amp;md5=c3826bcd6b26d36336b3c2a482df28a2</a>		AEM/MML
3	Lipid composition -triggered transition from a vesicle to a sponge self assembled nanostructure revealed by cryo-TEM and SAXS	Angelov, B; Drechsler, M; Garamus, VM; Angelova, A	EUROPEAN BIOPHYSICS JOURNAL WITH BIOPHYSICS LETTERS	48		S155	S155	2019	2,527				MML
4	A vesicle-to-sponge transition via the proliferation of membrane-linking pores in $\omega$ -3 polyunsaturated fatty acid-containing lipid assemblies	Angelova A., Angelov B., Garamus V.M., Drechsler M.,	Journal of Molecular Liquids	279		518	523	2019	4,561	10.1016/j.molliq.2019.01.124	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85061186850&amp;doi=10.1016%2fj.molliq.2019.01.124&amp;partnerID=40&amp;md5=27227cde429ec20d380cfe13a8e9323">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85061186850&amp;doi=10.1016%2fj.molliq.2019.01.124&amp;partnerID=40&amp;md5=27227cde429ec20d380cfe13a8e9323</a>		MML
5	Pep-Lipid Cubosomes and Vesicles Compartmentalized by Micelles from Self-Assembly of Multiple Neuroprotective Building Blocks Including a Large Peptide Hormone PACAP-DHA	Angelova, A.; M. Drechsler, V. M. Garamus, B. Angelov	ChemNanoMat: Chemistry of Nanomaterials for Energy, Biology and more	5		1381	1389	2019	3,431	10.1002/cnma.201900468			MML
6	Strain and stress analyses on thermally annealed Ti-Al-N/Mo-Si-B multilayer coatings by synchrotron X-ray diffraction	Aschauer, E; Bartosik, M; Bolvardi, H; Arndt, M; Polcik, P; Davydok, A; Krywka, C; Riedl, H; Mayrhofer, PH	SURFACE & COATINGS TECHNOLOGY	361		364	370	2019	3,192	10.1016/j.surfcoat.2019.01.075			MML
7	Model of Fractal Particles of Hydrated Zirconium Dioxide, Based on Small-Angle Neutron Scattering Data	Azarova L. A., G. P. Kopitsa, E. G. Iashina, V. M. Garamus, S. V. Grigoriev	Journal of Surface Investigation: X-ray, Synchrotron and Neutron Techniques	13		908	913	2019	0.359	10.1134/S1027451019050215			MML
8	Using neutron methods SANS and PGAA to study evolution of structure and composition of Alkali-doped Polybenzimidazole membranes	Babcock, E.; Szekely, N. ; Konovalova, A. ; Lin, Y. ; Appavou, M.-S. ; Mangiapia, G. ; Revay, Z. ; Stieghorst, C. ; Holderer, O. ; Henkensmeier, D. ; Lehnert, W. ; Carmo, M.	Journal of membrane science	577		12	19	2019	7,015	10.1016/j.memsci.2019.01.026			MML
9	High strength nanocrystalline Cu-Co alloys with high tensile ductility	Bachmaier A., Rathmayr G.B., Schmauch J., Schell N., Stark A., De Jonge N., Pippan R.,	Journal of Materials Research	34	1	58	68	2019	1,982	10.1557/jmr.2018.1805	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85055247722&amp;doi=10.1557%2fjmr.2018.185&amp;partnerID=40&amp;md5=693b74d7c99c728ec090da1584c87017">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85055247722&amp;doi=10.1557%2fjmr.2018.185&amp;partnerID=40&amp;md5=693b74d7c99c728ec090da1584c87017</a>	Green Published, Other Gold	AEM/MML
10	Influence of synthesis temperature on structural and magnetic properties of magnetoferritin	Balejčková L., Kováč J., Garamus V.M., Avdeev M.V., Petrenko V.I., Almásy L., Kopčanský P.,	Mendelevov Communications	29	3	279	281	2019	2,01	10.1016/j.mencom.2019.05.012	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85066821303&amp;doi=10.1016%2fj.mencom.2019.05.012&amp;partnerID=40&amp;md5=592ab5d5ba48285e30d482b965905b1e">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85066821303&amp;doi=10.1016%2fj.mencom.2019.05.012&amp;partnerID=40&amp;md5=592ab5d5ba48285e30d482b965905b1e</a>		MML
11	Disruption of amyloid aggregates by artificial ferritins	Balejčková L., Petrenko V.I., Bačková M., Šipošová K., Garamus V.M., Bulavin L.A., Avdeev M.V., Almásy L., Kopčanský P.,	Journal of Magnetism and Magnetic Materials	473		215	220	2019	2,683	10.1016/j.jmmm.2018.10.055	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85055031504&amp;doi=10.1016%2fj.jmmm.2018.10.055&amp;partnerID=40&amp;md5=85468e9a6f8a1406e62edce31e0d9781">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85055031504&amp;doi=10.1016%2fj.jmmm.2018.10.055&amp;partnerID=40&amp;md5=85468e9a6f8a1406e62edce31e0d9781</a>		MML

No.	Title	Author	Source	Volume	Issue	Page start	Page end	Year	Impact-Factor	DOI	Link	Open Access	HGF-Programme
12	Defect-rich GaN interlayer facilitating the annihilation of threading dislocations in polar GaN crystals grown on (0001)-oriented sapphire substrates	Barchuk, M.; M. Motylenko, T. Schneider, M. Förste, C. Röder, A. Davydok, S. Lazarev, C. Schimpf, C. Wüstefeld, O. Pätzold, and D. Rafaja	Journal of Applied Physics	126	8	85301		2019	2,328	10.1063/1.5092284	<a href="https://www.scopus.com/record/display.uri?eid=2-s2.0-85071310459&amp;origin=resultslist&amp;sort=plf-f&amp;src=s&amp;st1=Barchuk+%2c+M&amp;st2=&amp;sid=f30d3f3801f20b2fb383cc8a0dc22ba2&amp;sot=b&amp;sdt=b&amp;sl=24&amp;s=AUTHOR-NAME%28Barchuk+%2c+M%29&amp;relpos=2&amp;citeCnt=0&amp;searchTerm=">https://www.scopus.com/record/display.uri?eid=2-s2.0-85071310459&amp;origin=resultslist&amp;sort=plf-f&amp;src=s&amp;st1=Barchuk+%2c+M&amp;st2=&amp;sid=f30d3f3801f20b2fb383cc8a0dc22ba2&amp;sot=b&amp;sdt=b&amp;sl=24&amp;s=AUTHOR-NAME%28Barchuk+%2c+M%29&amp;relpos=2&amp;citeCnt=0&amp;searchTerm=</a>		MML
13	Optimization of high-energy microtomography using synchrotron radiation at PETRA III	Beckmann, F., Hammel, J.U., Moosmann, J., Lottermoser, L., Gunnell, G.F., Habersetzler, J.	Proceedings of SPIE - The International Society for Optical Engineering	11113		111131A		2019	Proceeding	10.1117/12.2530001			MML
14	Ferrite recrystallization and austenite formation during annealing of cold-rolled advanced high-strength steels: In situ synchrotron X-ray diffraction and modeling	Bellavoine M., Dumont M., Dehmas M., Stark A., Schell N., Drillet J., Hébert V., Maugis P.,	Materials Characterization	154		20	30	2019	3,22	10.1016/j.matchar.2019.05.020	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85066295802&amp;doi=10.1016%2fj.matchar.2019.05.020&amp;partnerID=40&amp;md5=e762198bc5037e10ad49749b39456615">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85066295802&amp;doi=10.1016%2fj.matchar.2019.05.020&amp;partnerID=40&amp;md5=e762198bc5037e10ad49749b39456615</a>		AEM/MML
15	Evidence for the formation of nanoprecipitates with magnetically disordered regions in bulk Ni50Mn45In5 Heusler alloys	Benacchio, G; Titov, I; Malyeyev, A; Peral, I; Bersweiler, M; Bender, P; Mettus, D; Honecker, D; Gilbert, EP; Coduri, M; Heinemann, A; Muhlbauer, S; Cakir, A; Acet, M; Michels, A	PHYSICAL REVIEW B	99	18	184422		2019	3,736	10.1103/PhysRevB.99.184422			MML
16	Sensitivity comparison of absorption and grating-based phase tomography of paraffin-embedded human brain tissue	Bikis C., Rodgers G., Deyhle H., Thalmann P., Hipp A., Beckmann F., Weitkamp T., Theocharis S., Rau C., Schulz G., Müller B.,	Applied Physics Letters	114	8	83702		2019	3,521	10.1063/1.5085302	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062369451&amp;doi=10.1063%2f1.5085302&amp;partnerID=40&amp;md5=a51ac23c9debda3732115473fdae661b">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062369451&amp;doi=10.1063%2f1.5085302&amp;partnerID=40&amp;md5=a51ac23c9debda3732115473fdae661b</a>	OA	MML
17	Probing the Interface Structure of Adhering Cells by Contrast Variation Neutron Reflectometry	Bohm, P; Koutsoubas, A; Moulin, JF; Radler, JO; Sackmann, E; Nickel, B	LANGMUIR	35	2	513	521	2019	3,683	10.1021/acs.langmuir.8b02228			MML
18	Layered double hydroxide based active corrosion protective sealing of plasma electrolytic oxidation/sol-gel composite coating on AA2024	Bouali A.C., Straumal E.A., Serdechnova M., Wieland D.C.F., Starykevich M., Blawert C., Hammel J.U., Lermontov S.A., Ferreira M.G.S., Zheludkevich M.L.,	Applied Surface Science	494		829	840	2019	5,155	10.1016/j.apsusc.2019.07.117	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85069931307&amp;doi=10.1016%2fj.apsusc.2019.07.117&amp;partnerID=40&amp;md5=6645563d1f30a91001eeb9cbb964efdb">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85069931307&amp;doi=10.1016%2fj.apsusc.2019.07.117&amp;partnerID=40&amp;md5=6645563d1f30a91001eeb9cbb964efdb</a>	OA	AEM/MML
19	Residual stress and microstructure evolution in steel tubes for different cooling conditions – Simulation and verification	Brunbauer S., Winter G., Antretter T., Staron P., Ecker W.,	Materials Science and Engineering A	747		73	79	2019	4,081	10.1016/j.msea.2019.01.037	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85060240525&amp;doi=10.1016%2fj.msea.2019.01.037&amp;partnerID=40&amp;md5=b12991612edeb1bdfdbdc26d9ef91f73">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85060240525&amp;doi=10.1016%2fj.msea.2019.01.037&amp;partnerID=40&amp;md5=b12991612edeb1bdfdbdc26d9ef91f73</a>		MML
20	Ex vivo evaluation of an atherosclerotic human coronary artery via histology and high-resolution hard X-ray tomography	Buscema, M.; Hieber, S. E.; Schulz, G.; Deyhle, H.; Hipp, A.; Beckmann, F.; Lohrinus, J. A.; Saxer, T.; Müller, B.	Scientific Reports	9		14348		2019	4,011	10.1038/s41598-019-50711-1		OA	MML
21	Rotation of the magnetic vortex lattice in Ru7B3 driven by the effects of broken time-reversal and inversion symmetry	Cameron, AS; Yerin, YS; Tymoshenko, YV; Portnichenko, PY; Sukhanov, AS; Hatnean, MC; Pau, DM; Balakrishnan, G; Cubitt, R; Heinemann, A; Inosov, DS	PHYSICAL REVIEW B	100	2	24518		2019	3,736	10.1103/PhysRevB.100.024518		Green Published	MML
22	Observation of a Chirality-Induced Exchange-Bias Effect	Chen, K.; Philippi-Kobs, A.; Lauter, V.; Vorobiev, A.; Dyadkina, E.; Yakovchuk, V. Yu.; Stolyar, S.; Lott, D.	PHYSICAL REVIEW APPLIED	12	2	24047		2019	4,532	10.1103/PhysRevApplied.12.024047	<a href="http://apps.wbofknowledge.com/full_record.do?product=WOS&amp;search_mode=GeneralSearch&amp;qid=15&amp;SID=C4wZKcyMZpAlv79962&amp;page=1&amp;doc=1">http://apps.wbofknowledge.com/full_record.do?product=WOS&amp;search_mode=GeneralSearch&amp;qid=15&amp;SID=C4wZKcyMZpAlv79962&amp;page=1&amp;doc=1</a>		MML

No.	Title	Author	Source	Volume	Issue	Page start	Page end	Year	Impact-Factor	DOI	Link	Open Access	HGF-Programme
23	Tension-compression asymmetry of extruded Mg-Gd-Y-Zr alloy with a bimodal microstructure studied by in-situ synchrotron diffraction	Chi Y.Q., Zhou X.H., Qiao X.G., Brokmeier H.G., Zheng M.Y.,	Materials and Design	170		107705		2019	5,77	10.1016/j.matdes.2019.107705	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062909895&amp;doi=10.1016%2fj.matdes.2019.107705&amp;partnerID=40&amp;md5=dec49c0b74213ebf8b738ce2dfb545be">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062909895&amp;doi=10.1016%2fj.matdes.2019.107705&amp;partnerID=40&amp;md5=dec49c0b74213ebf8b738ce2dfb545be</a>	DOAJ Gold	MML
24	The origin of discontinuous yielding in Mg alloys under slip-dominated condition studied by in-situ synchrotron diffraction and elastic-viscoplastic self-consistent modeling	Chi Y.Q., Zhou X.H., Xu C., Sun D., Qiao X.G., Brokmeier H.G., Zheng M.Y.,	Materials Science and Engineering A	754		562	568	2019	4,081	10.1016/j.msea.2019.03.073	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063480907&amp;doi=10.1016%2fj.msea.2019.03.073&amp;partnerID=40&amp;md5=5234bbc3c10df7a2b0bc3d31adb280f4">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063480907&amp;doi=10.1016%2fj.msea.2019.03.073&amp;partnerID=40&amp;md5=5234bbc3c10df7a2b0bc3d31adb280f4</a>		MML
25	Effect of heat treatment on the precipitation hardening in FeNiCoAlTaB shape memory alloys	Chulist R., Prokopowicz M., Maziarz W., Ostachowski P., Schell N.,	International Journal of Materials Research	110	1	70	74	2019	0,851	10.3139/146.111688	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-8506065076&amp;doi=10.3139%2f146.111688&amp;partnerID=40&amp;md5=54b8ea100e60e391495ed49a4f469f74">https://www.scopus.com/inward/record.uri?eid=2-s2.0-8506065076&amp;doi=10.3139%2f146.111688&amp;partnerID=40&amp;md5=54b8ea100e60e391495ed49a4f469f74</a>		MML
26	Branching of (110) twin boundaries in five-layered Ni-Mn-Ga bent single crystals	Chulist R., Straka L., Seiner H., Sozinov A., Schell N., Tokarski T.,	Materials and Design	171		107703-1	107703-8	2019	5,77	10.1016/j.matdes.2019.107703	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063095270&amp;doi=10.1016%2fj.matdes.2019.107703&amp;partnerID=40&amp;md5=bc916eca432036ae75d4a82016b8f4da">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063095270&amp;doi=10.1016%2fj.matdes.2019.107703&amp;partnerID=40&amp;md5=bc916eca432036ae75d4a82016b8f4da</a>	DOAJ Gold, Green Published	MML
27	Austenite reversion kinetics and stability during tempering of an additively manufactured maraging 300 steel	Conde, F.F., Escobar, J.D., Oliveira, J.P., Jardini, A.L., Bose Filho, W.W., Avila, J.A.	Additive Manufacturing	29		100804		2019	7,173	doi: 10.1016/j.addma.2019.100804			MML
28	Neutron diffraction measurement of residual stresses in an ITER-like tungsten-monoblock type plasma-facing component	Coppola, R.; Crescenzi, F.; Gan, W.; Hofmann, M.; Li, M.; Visca, E.; You, J.-H.	Fusion engineering and design	146		701		2019	1,457	10.1016/j.fusengdes.2019.01.059			MML
29	Improved accuracy in the assessment of vertebral cortical thickness by quantitative computed tomography using the Iterative Convolution Optimization (ICON) method	Damm T., Peña J.A., Campbell G.M., Bastgen J., Barkmann R., Glüer C.-C.,	Bone	120		194	203	2019	4,36	10.1016/j.bone.2018.08.024	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85056191094&amp;doi=10.1016%2fj.bone.2018.08.024&amp;partnerID=40&amp;md5=e8f56a1f1f069165153124557736167a">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85056191094&amp;doi=10.1016%2fj.bone.2018.08.024&amp;partnerID=40&amp;md5=e8f56a1f1f069165153124557736167a</a>		MML
30	Biolubrication synergy: Hyaluronan – Phospholipid interactions at interfaces	Dedinaite, A.; Wieland, D.C.F.; Beldowski, P.; Claesson, P.M.	Advances in Colloid and Interface Science	2742		102050		2019	8,243	10.1016/j.cis.2019.102050			MML
31	Improved single-step extraction performance of aqueous biphasic systems using novel symmetric ionic liquids for the decolorisation of toxic dye effluents	Dimitrijevic, A; Jovic, A; Zec, N; Tot, A; Papovic, S; Gadzuric, S; Vranes, M; Trtic-Petrovic, T	JOURNAL OF INDUSTRIAL AND ENGINEERING CHEMISTRY	76		500	507	2019	4,978	10.1016/j.jiec.2019.04.017			MML
32	In situ analysis of the strain evolution during welding using low transformation temperature filler materials	Dixneit J., Vollert F., Kromm A., Gibmeier J., Hannemann A., Fischer T., Kannengiesser T.,	Science and Technology of Welding and Joining	24	3	243	255	2019	2,358	10.1080/13621718.2018.1525150	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85053892402&amp;doi=10.1080%2f13621718.2018.1525150&amp;partnerID=40&amp;md5=b1e3a81e95b500ca82e13169d03d4707">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85053892402&amp;doi=10.1080%2f13621718.2018.1525150&amp;partnerID=40&amp;md5=b1e3a81e95b500ca82e13169d03d4707</a>		MML
33	Thermoresponsive Pentablock Copolymer on Silica: Temperature Effects on Adsorption, Surface Forces, and Friction	Dobryden I., Cortes Ruiz M., Zhang X., Dedinaite A., Wieland D.C.F., Winnik F.M., Claesson P.M.,	Langmuir	35	3	653	661	2019	3,683	10.1021/acs.langmuir.8b03729	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85060374990&amp;doi=10.1021%2facs.langmuir.8b03729&amp;partnerID=40&amp;md5=01b2807896f8b5fca4a8302090d52810">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85060374990&amp;doi=10.1021%2facs.langmuir.8b03729&amp;partnerID=40&amp;md5=01b2807896f8b5fca4a8302090d52810</a>		MML
34	Hierarchical supercrystalline nanocomposites through the self-assembly of organically-modified ceramic nanoparticles	Domènech B., Kampferbeck M., Larsson E., Krekeler T., Bor B., Giuntini D., Blankenburg M., Ritter M., Müller M., Vossmeier T., Weller H., Schneider G.A.,	Scientific Reports	9	1	3435-1	3435-11	2019	4,011	10.1038/s41598-019-39934-4	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062583546&amp;doi=10.1038%2fs41598-019-39934-4&amp;partnerID=40&amp;md5=2d706a689fbadf9b39cb3ea51f82a88">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062583546&amp;doi=10.1038%2fs41598-019-39934-4&amp;partnerID=40&amp;md5=2d706a689fbadf9b39cb3ea51f82a88</a>	DOAJ Gold, Green Published	MML

No.	Title	Author	Source	Volume	Issue	Page start	Page end	Year	Impact-Factor	DOI	Link	Open Access	HGF-Programme
35	Modulating the Mechanical Properties of Supercrystalline Nanocomposite Materials via Solvent-Ligand Interactions	Domènech, B., Plunkett, A., Kampferbeck, M., Blankenburg, M., Bor, B., Giuntini, D., Krekeler, T., Wagstaffe, M., Noei, H., Stierle, A., Ritter, M., Müller, M., Vossmeier, T., Weller, H., Schneider, G.A.	Langmuir	35	43	13893	13903	2019	3,683	10.1021/acs.langmuir.9b01938		OA	MML
36	Austenite decomposition and carbon partitioning during quenching and partitioning heat treatments studied via in-situ X-ray diffraction	Ebner S., Suppan C., Stark A., Schnitzer R., Hofer C.,	Materials and Design	178				2019	5,77	10.1016/j.matdes.2019.107862	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85066013012&amp;doi=10.1016%2fj.matdes.2019.107862&amp;partnerID=40&amp;md5=9ea4f2856a9ddc1c537cba85595f525">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85066013012&amp;doi=10.1016%2fj.matdes.2019.107862&amp;partnerID=40&amp;md5=9ea4f2856a9ddc1c537cba85595f525</a>	DOAJ Gold	AEM/MML
37	In situ analysis of the effect of high heating rates and initial microstructure on the formation and homogeneity of austenite	Eggbauer A., Lukas M., Ressel G., Prevedel P., Mendez-Martin F., Keckes J., Stark A., Ebner R.,	Journal of Materials Science	54	12	9197	9212	2019	3,442	10.1007/s10853-019-03527-3	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063565982&amp;doi=10.1007%2f10853-019-03527-3&amp;partnerID=40&amp;md5=0b11d7603c0729d087482c4b7780ab00">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063565982&amp;doi=10.1007%2f10853-019-03527-3&amp;partnerID=40&amp;md5=0b11d7603c0729d087482c4b7780ab00</a>		AEM/MML
38	Measurement error in $\mu$ CT-based three-dimensional geometric morphometrics introduced by surface generation and landmark data acquisition	Engelkes K., Helfsgott J., Hammel J.U., Büsse S., Kleinteich T., Beerlink A., Gorb S.N., Haas A.,	Journal of Anatomy	235	2	357	378	2019	2,638	10.1111/joa.12999	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065467614&amp;doi=10.1111%2fjoa.12999&amp;partnerID=40&amp;md5=b3c051db34b772a805fe8a842d6c3669">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065467614&amp;doi=10.1111%2fjoa.12999&amp;partnerID=40&amp;md5=b3c051db34b772a805fe8a842d6c3669</a>		MML
39	In situ and atomic-scale investigations of the early stages of $\gamma$ precipitate growth in a supersaturated intermetallic Ti-44Al-7Mo (at.%) solid solution	Erdely P., Staron P., Stark A., Klein T., Clemens H., Mayer S.,	Acta Materialia	164	110		121	2019	7,293	10.1016/j.actamat.2018.10.042	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85055664833&amp;doi=10.1016%2fj.actamat.2018.10.042&amp;partnerID=40&amp;md5=677ed34918c3c27aa8ce899577de0c63">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85055664833&amp;doi=10.1016%2fj.actamat.2018.10.042&amp;partnerID=40&amp;md5=677ed34918c3c27aa8ce899577de0c63</a>		AEM/MML
40	Retrieving the refractive index profile of a holographic grating by diffraction experiments	Fally, M., Klepp, J., Ellabban, M.A., Eckerlebe, H., Pranzas, P.K., Guo, J., Tomita, Y.	Proceedings of SPIE - The International Society for Optical Engineering	11030		1103001		2019	Proceeding	10.1117/12.2527317			MML
41	In Situ Structural Characterization of Functionally Graded Ni-Ti Shape Memory Alloy During Tensile Loading	Fernandes, FMB, Camacho, E, Rodrigues, PF, Inacio, P, Santos, TG, Schell, N	SHAPE MEMORY AND SUPERELASTICITY					2019	0	10.1007/s40830-019-00237-2			MML
42	Evolution of texture in precision seamless tubes investigated by synchrotron and neutron radiation measurement	Foadian F., Carradó A., Brokmeier H.G., Gan W.M., Schell N., Al-Hamdany N., Palkowski H.,	Materials Characterization	151		582	589	2019	3,22	10.1016/j.matchar.2019.03.041	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063759101&amp;doi=10.1016%2fj.matchar.2019.03.041&amp;partnerID=40&amp;md5=9e0c57029cd7ccd10c096e2cc62d93a">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063759101&amp;doi=10.1016%2fj.matchar.2019.03.041&amp;partnerID=40&amp;md5=9e0c57029cd7ccd10c096e2cc62d93a</a>		MML
43	Interfacial Phenomena between Liquid Ga-Based Alloys and Ni Substrate	Gancarz T., Berent K., Schell N., Chulist R.,	Journal of Electronic Materials	48	9	5941	5947	2019	1,676	10.1007/s11664-019-07356-7	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068009226&amp;doi=10.1007%2f11664-019-07356-7&amp;partnerID=40&amp;md5=9e0bce1ff254fca80bf4e252e3ec98c9">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068009226&amp;doi=10.1007%2f11664-019-07356-7&amp;partnerID=40&amp;md5=9e0bce1ff254fca80bf4e252e3ec98c9</a>	Other Gold	MML
44	Effect of precipitation in the compressive behavior of high strength Mg-Gd-Y-Zn extruded alloy	Garces G., Mäthis K., Barea R., Medina J., Pérez P., Stark A., Schell N., Adeva P.	Materials Science and Engineering A	768		138452		2019	Scopus	10.1016/j.msea.2019.138452	<a href="https://www.scopus.com/record/display.uri?eid=2-s2.0-85072859864&amp;origin=resultslist&amp;sort=plf&amp;src=s&amp;sid=562a5995be3512133152487c5d41fab&amp;sot=autdocs&amp;dt=autdocs&amp;sl=18&amp;s=AU-ID%2857203056768%29&amp;relpos=2&amp;citeCnt=0&amp;searchTerm=">https://www.scopus.com/record/display.uri?eid=2-s2.0-85072859864&amp;origin=resultslist&amp;sort=plf&amp;src=s&amp;sid=562a5995be3512133152487c5d41fab&amp;sot=autdocs&amp;dt=autdocs&amp;sl=18&amp;s=AU-ID%2857203056768%29&amp;relpos=2&amp;citeCnt=0&amp;searchTerm=</a>		AEM/MML

No.	Title	Author	Source	Volume	Issue	Page start	Page end	Year	Impact-Factor	DOI	Link	Open Access	HGF-Programme
45	Increase in the mechanical strength of Mg-8Gd-3Y-1Zn alloy containing long-period stacking ordered phases using equal channel angular pressing processing	Garces G., Pérez P., Barea R., Medina J., Stark A., Schell N., Adeva P.,	Metals	9	2	221		2019	2,259	10.3390/met9020221	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062415051&amp;doi=10.3390%2fmet9020221&amp;partnerID=40&amp;md5=52e81b8429d08e6709b17ecab0c2f2">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062415051&amp;doi=10.3390%2fmet9020221&amp;partnerID=40&amp;md5=52e81b8429d08e6709b17ecab0c2f2</a>	DOAJ Gold, Green Published	AEM/MML
46	Correlative 3D anatomy and spatial chemistry in animal-microbe symbioses: Developing sample preparation for phase-contrast synchrotron radiation based micro-computed tomography and mass spectrometry imaging	Geier, B., Franke, M., Ruthensteiner, B., González Porras, M.Á., Gruhl, A., Wörmer, L., Moosmann, J., Hammel, J.U., Dubilier, N., Leisch, N., Liebeke, M.	Proceedings of SPIE - The International Society for Optical Engineering	11113		1111306		2019	Proceeding	10.1117/12.2530652			MML
47	Orientation-dependent deformation micro-mechanism and failure analysis of SS 316 under tensile and cyclic load	Ghosh A., Brokmeier H.-G., Gurao N.P.,	International Journal of Fatigue	125		35	46	2019	3,673	10.1016/j.ijfatigue.2019.03.035	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063388512&amp;doi=10.1016%2fj.ijfatigue.2019.03.035&amp;partnerID=40&amp;md5=a71dcb171b3a40a819a49861586388f">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063388512&amp;doi=10.1016%2fj.ijfatigue.2019.03.035&amp;partnerID=40&amp;md5=a71dcb171b3a40a819a49861586388f</a>		MML
48	Iron oxide-based nanostructured ceramics with tailored magnetic and mechanical properties: development of mechanically robust, bulk superparamagnetic materials	Giuntini, D; Torresani, E; Chan, KT; Blankenburg, M; Saviot, L; Bor, B; Domenech, B; Shachar, M; Muller, M; Olevsky, EA; Garay, JE; Schneider, GA	NANOSCALE ADVANCES	1	8	3139	3150	2019	0	10.1039/c9na00222g		DOAJ Gold	MML
49	Self-assembled para-Nitroaniline polymeric thin films as highly efficient generators of second harmonic light	Gonçalves, H. ; Lúcio, M. ; Lopes, P. E. ; Bernardo, C. ; Belsley, M.	Optical materials	88		15	23	2019	2,687	10.1016/j.optmat.2018.11.010			MML
50	Trimethoxysilyl end-capped hyperbranched polyglycidol/polycaprolactone copolymers for cell delivery and tissue repair: synthesis, characterisation and aqueous solution properties	González-Chomón C., Garamus V.M., Rangelov S., Ebdon J.R., Novakov C., Halacheva S.S.,	European Polymer Journal	112		648	659	2019	3,621	10.1016/j.eurpolymj.2018.10.030	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85055651210&amp;doi=10.1016%2fj.eurpolymj.2018.10.030&amp;partnerID=40&amp;md5=4cd452d5b500f38eaac0758bf4bd2009">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85055651210&amp;doi=10.1016%2fj.eurpolymj.2018.10.030&amp;partnerID=40&amp;md5=4cd452d5b500f38eaac0758bf4bd2009</a>		MML
51	Orientation-dependent deformation micro-mechanism and failure analysis of SS 316 under tensile and cyclic load	Gosh, A., Brokmeier, H.-G., and Gurao, N.	International Journal of Fatigue	125		35	46	2019	3,673	10.1016/j.ijfatigue.2019.03.035	<a href="http://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=GeneralSearch&amp;qid=12&amp;SID=C4wZKcyMZtpAlv7996Z&amp;page=1&amp;doc=1">http://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=GeneralSearch&amp;qid=12&amp;SID=C4wZKcyMZtpAlv7996Z&amp;page=1&amp;doc=1</a>		MML
52	Nanofiber formation and polymerization of bolalipids with diacetylene-modified single alkyl chains	Graf G., Drescher S., Meister A., Garamus V.M., Blume A.,	Journal of Physical Chemistry B	123	7	1566	1577	2019	2,923	10.1021/acs.jpcc.8b11945	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85061501861&amp;doi=10.1021%2facs.jpcc.8b11945&amp;partnerID=40&amp;md5=d85a873abc8677efbdcefa6e30cf8da3">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85061501861&amp;doi=10.1021%2facs.jpcc.8b11945&amp;partnerID=40&amp;md5=d85a873abc8677efbdcefa6e30cf8da3</a>		MML
53	Spin-wave stiffness in the Dzyaloshinskii-Moriya helimagnet with ferrimagnetic ordering Cu <sub>2</sub> OSeO <sub>3</sub>	Grigoriev S.V., Pschenichnyi K.A., Altynbaev E.V., Heinemann A., Magrez A.,	Physical Review B	99	5	54427		2019	3,736	10.1103/PhysRevB.99.054427	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062525380&amp;doi=10.1103%2fPhysRevB.99.054427&amp;partnerID=40&amp;md5=e7547c7214a0ba5ab393a56767593b20">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062525380&amp;doi=10.1103%2fPhysRevB.99.054427&amp;partnerID=40&amp;md5=e7547c7214a0ba5ab393a56767593b20</a>		MML
54	Spin-wave stiffness of the Dzyaloshinskii-Moriya helimagnet compounds Fe <sub>1-x</sub> CoxSi studied by small-angle neutron scattering,	Grigoriev, S. V. ; Pschenichnyi, K. A. ; Altynbaev, E. V. ; Siegfried, S.-A. ; Heinemann, A. ; Honnecker, D. ; Menzel, D.	Physical review B	100	9	94409		2019	3,736	10.1103/PhysRevB.100.094409			MML
55	20 Hz synchrotron X-ray diffraction analysis in laser-pulsed WC-Co hard metal reveals oscillatory stresses and reversible composite plastification	Gruber D.P., Kiefer D., Rössler R., Beckmann F., Tkadletz M., Klünsner T., Czetti C., Keckes J., Gibmeier J.,	International Journal of Refractory Metals and Hard Materials	82		121	128	2019	2,794	10.1016/j.ijrmhm.2019.04.004	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064428057&amp;doi=10.1016%2fj.ijrmhm.2019.04.004&amp;partnerID=40&amp;md5=82318bf5d228f7c58d0c201ddcfc07d">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064428057&amp;doi=10.1016%2fj.ijrmhm.2019.04.004&amp;partnerID=40&amp;md5=82318bf5d228f7c58d0c201ddcfc07d</a>		MML

No.	Title	Author	Source	Volume	Issue	Page start	Page end	Year	Impact-Factor	DOI	Link	Open Access	HGF-Programme
56	Full-field structured-illumination super-resolution X-ray transmission microscopy	Günther B., Hehn L., Jud C., Hipp A., Dierolf M., Pfeiffer F.,	Nature Communications	10	1	2494		2019	11,878	10.1038/s41467-019-10537-x	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85066924297&amp;doi=10.1038%2fs41467-019-10537-x&amp;partnerID=40&amp;md5=92a98b9fa5bbc192dfd0ed8f17926dc3">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85066924297&amp;doi=10.1038%2fs41467-019-10537-x&amp;partnerID=40&amp;md5=92a98b9fa5bbc192dfd0ed8f17926dc3</a>	DOAJ Gold, Green Published	MML
57	Tunable viscosity modification with diluted particles: when particles decrease the viscosity of complex fluids	Gvaramia, M.; Mangiapi, G.; Pipich, V.; Appavou, M.-S.; Jaksch, S.; Holderer, O.; Rukhadze, M. D.; Frielinghaus, H.	Colloid & polymer science	297	11-12	1507	1517	2019	1,906	10.1007/s00396-019-04567-6			MML
58	Influence of Nd or Ca addition on the dislocation activity and texture changes of Mg–Zn alloy sheets under uniaxial tensile loading (+Corrigendum)	Ha, C., Bohlen, J., Yi, S., Zhou, X., Brokmeier, H.-G., Schell, N., Letzig, D., Kainer, K.U.	Materials Science and Engineering A	761(764)		138053 (138191)		2019	4,014	10.1016/j.msea.2019.138053 (10.1016/j.msea.2019.138191)	<a href="https://www.scopus.com/record/display.uri?eid=2-s2.0-85067884888&amp;origin=resultslist&amp;sort=plf-f&amp;src=s&amp;sid=562a5995be35121333152487c5d41fab&amp;sot=autdocs&amp;dt=autdocs&amp;sl=18&amp;s=AU-ID%2857203056768%29&amp;relpos=10&amp;citeCnt=0&amp;searchTerm=(https://www.scopus.com/record/display.uri?eid=2-s2.0-85070698728&amp;origin=resultslist&amp;sort=plf-f&amp;src=s&amp;sid=562a5995be35121333152487c5d41fab&amp;sot=autdocs&amp;dt=autdocs&amp;sl=18&amp;s=AU-ID%2857203056768%29&amp;relpos=7&amp;citeCnt=0&amp;searchTerm=)">https://www.scopus.com/record/display.uri?eid=2-s2.0-85067884888&amp;origin=resultslist&amp;sort=plf-f&amp;src=s&amp;sid=562a5995be35121333152487c5d41fab&amp;sot=autdocs&amp;dt=autdocs&amp;sl=18&amp;s=AU-ID%2857203056768%29&amp;relpos=10&amp;citeCnt=0&amp;searchTerm=(https://www.scopus.com/record/display.uri?eid=2-s2.0-85070698728&amp;origin=resultslist&amp;sort=plf-f&amp;src=s&amp;sid=562a5995be35121333152487c5d41fab&amp;sot=autdocs&amp;dt=autdocs&amp;sl=18&amp;s=AU-ID%2857203056768%29&amp;relpos=7&amp;citeCnt=0&amp;searchTerm=)</a>	OA	AEM/MMML
59	Ultra-high-resolution neutron spectroscopy of low-energy spin dynamics in UGe <sub>2</sub>	Haslbeck, F.; Saubert, S.; Seifert, M.; Franz, C.; Schulz, M.; Heinemann, A.; Keller, T.; Das, P.; Thompson, J.D.; Bauer, E.D.; Pfeiderer, C.; Janoschek, M.	PHYSICAL REVIEW B	99	1			2019	3,736	10.1103/PhysRevB.99.014429		Green Published	MML
60	The role of lattice defects, element partitioning and intrinsic heat effects on the microstructure in selective laser melted Ti-6Al-4V	Haubrich J., Gussone J., Barriobero-Vila P., Kürsteiner P., Jäggle E.A., Raabe D., Schell N., Requena G.,	Acta Materialia	167		136	148	2019	7,293	10.1016/j.actamat.2019.01.039	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85061036990&amp;doi=10.1016%2fj.actamat.2019.01.039&amp;partnerID=40&amp;md5=8d9d3b49fbadd290250d7867039d308d">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85061036990&amp;doi=10.1016%2fj.actamat.2019.01.039&amp;partnerID=40&amp;md5=8d9d3b49fbadd290250d7867039d308d</a>		MML
61	The transient liquid phase bonding process of a γ-TiAl alloy with brazing solders containing Fe or Ni	Hauschildt K., Stark A., Schell N., Müller M., Pyczak F.,	Intermetallics	106		48	58	2019	3,353	10.1016/j.intermet.2018.12.004	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85058565848&amp;doi=10.1016%2fj.intermet.2018.12.004&amp;partnerID=40&amp;md5=c71c435be8f13b11a2de4151a37ccd4f">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85058565848&amp;doi=10.1016%2fj.intermet.2018.12.004&amp;partnerID=40&amp;md5=c71c435be8f13b11a2de4151a37ccd4f</a>		AEM/MMML
62	Diffraction-based determination of single-crystal elastic constants of polycrystalline titanium alloys	Heldmann, A.; Hoelzel, M.; Hofmann, M.; Gan, W.; Schmahl, W. W.; Griesshaber, E.; Hansen, T.; Schell, N.; Petry, W.	Journal of applied crystallography	52	5	1144		2019	2,867	10.1107/S1600576719010720			MML
63	Influence of the polydispersity of pH 2 and pH 3.5 beta-lactoglobulin amyloid fibril solutions on analytical methods	Heyn T. R., V. M. Garamus, H. R. Neumann, M. J. Uttinger, T. Guckeisen, M. Heuer, Ch. Selhuber-Unkel, W. Peukert, J. Keppler	European Polymer Journal	120		109211		2019	3,621	10.1016/j.eurpolymj.2019.08.038			MML
64	Hot deformation behavior originated from dislocation activity and beta to alpha phase transformation in a metastable beta titanium alloy	Hua, K.; Zhang, YD; Gan, WM; Kou, HC; Beausir, B; Li, JS; Esling, C	INTERNATIONAL JOURNAL OF PLASTICITY	119		200	214	2019	5,8	10.1016/j.ijplas.2019.03.011			MML
65	Small-Angle Neutron Scattering and Magnetically Heterogeneous State in Sr <sub>2</sub> FeMoO <sub>6-δ</sub>	Kalanda N., Garamus V., Avdeev M., Zheludkevich M., Yarmolich M., Serdechnova M., Florian Wieland D.C., Petrov A., Zhaludkevich A., Sobolev N.,	Physica Status Solidi (B) Basic Research	256	5	1800428		2019	1,454	10.1002/pssb.201800428	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063110687&amp;doi=10.1002%2fpssb.201800428&amp;partnerID=40&amp;md5=1998bc06a818354e5614358fe73dc9bd">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063110687&amp;doi=10.1002%2fpssb.201800428&amp;partnerID=40&amp;md5=1998bc06a818354e5614358fe73dc9bd</a>		AEM/MMML

No.	Title	Author	Source	Volume	Issue	Page start	Page end	Year	Impact-Factor	DOI	Link	Open Access	HGF-Programme
66	Comparison of lipid carrier systems for integral membrane proteins – MsbA as case study	Kehlenbeck, D.-M.; Josts, I.; Nitsche, J.; Busch, S.; Forsyth, V. T.; Tidow, H.	Biological chemistry	400	11	1509		2019	3,014	10.1515/hsz-2019-0171			MML
67	In-situ synchrotron profile analysis after high pressure torsion deformation	Kerber, M., Spieckermann, F., Schuster, R., Jóni, B., Schell, N., and Schafner, E.	Crystals	9	5	232		2019	2,061	10.3390/cryst9050232	<a href="https://www.scopus.com/record/display.uri?eid=2-s2.0-85067063666&amp;origin=resultslist&amp;sort=plf-f&amp;src=s&amp;st1=Kerber%2c+M&amp;st2=&amp;sid=bb243e07c7d5c23d5a019ed85c0c632d&amp;sort=b&amp;sd=b&amp;sl=22&amp;s=AUTHOR-NAME%28Kerber%2c+M%29&amp;relsos=5&amp;citeCnt=0&amp;searchTerm=">https://www.scopus.com/record/display.uri?eid=2-s2.0-85067063666&amp;origin=resultslist&amp;sort=plf-f&amp;src=s&amp;st1=Kerber%2c+M&amp;st2=&amp;sid=bb243e07c7d5c23d5a019ed85c0c632d&amp;sort=b&amp;sd=b&amp;sl=22&amp;s=AUTHOR-NAME%28Kerber%2c+M%29&amp;relsos=5&amp;citeCnt=0&amp;searchTerm=</a>	OA	MML
68	Poly(9-undecyl-9-methyl-fluorene) and poly(9-pentadecyl-9-methyl-fluorene): Synthesis, solution structure, and effect of side chain asymmetry on aggregation behavior	Knaapila M., Stewart B., Garamus V.M., Ramos M.L., Cruz P.F., Brito R.M.M., Justino L.L.G., Fausto R., Napierala C., Forster M., Burrows H.D., Scherf U.,	Journal of Polymer Science, Part B: Polymer Physics	57	13	826	837	2019	2,596	10.1002/polb.24838	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065996169&amp;doi=10.1002%2fpolb.24838&amp;partnerID=40&amp;md5=67ceca093a8b7b5c63deaba0ec068e0a">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065996169&amp;doi=10.1002%2fpolb.24838&amp;partnerID=40&amp;md5=67ceca093a8b7b5c63deaba0ec068e0a</a>		MML
69	EXCISS, A CHONDRULE FORMATION EXPERIMENT ABOARD THE ISS - FIRST RESULTS.	Koch, TE; Spahr, D; Merges, D; Beck, AA; Christ, O; Fujita, S; Genzel, PT; Kersch, J; Lindner, M; Leber, DM; Wilde, F; Morgenroth, W; Winkler, B; Brenker, FE	METEORITICS & PLANETARY SCIENCE	54				2019	2,318				MML
70	Swelling and Exchange Behavior of Poly(sulfobetaine)-Based Block Copolymer Thin Films	Kreuzer, LP; Widmann, T; Hohn, N; Wang, K; Biessmann, L; Peis, L; Moulin, JF; Hildebrand, V; Laschewsky, A; Papadakis, CM; Muller-Buschbaum, P	MACROMOLECULES	52	9	3486	3498	2019	5,997	10.1021/acs.macromol.9b00443			MML
71	Phase evolution of radio frequency magnetron sputtered Cr-rich (Cr,Zr)2O3 coatings studied by in situ synchrotron x-ray diffraction during annealing in air or vacuum	Landälv, L., Rogström, L., Lu, J., Ostach, D., Eriksson, F., Junaid, M., Ghafoor, N., Ekström, E., Hsiao, C.-L., Leiste, H., Ahlgren, M., Göthelid, E., Alling, B., Hultman, L., Stueber, M., Schell, N., Birch, J., Eklund, P.	Journal of Materials Research	34		3735	3745	2019	1,982	10.1557/jmr.2019.340			MML
72	Phase evolution of radio frequency magnetron sputtered Cr-rich (Cr,Zr)2O3 coatings studied by in situ synchrotron x-ray diffraction during annealing in air or vacuum	Landälv, L., Rogström, L., Lu, J., Ostach, D., Eriksson, F., Junaid, M., Ghafoor, N., Ekström, E., Hsiao, C.-L., Leiste, H., Ahlgren, M., Göthelid, E., Alling, B., Hultman, L., Stueber, M., Schell, N., Birch, J., Eklund, P.	Journal of Materials Research	34		3735	3745	2019	1,982	10.1557/jmr.2019.340			MML
73	Nanoporous gold: a hierarchical and multiscale 3D test pattern for characterizing X-ray nanotomography systems	Larsson E., Gürsoy D., De Carlo F., Lilleodden E., Storm M., Wilde F., Hu K., Müller M., Grevling I.,	Journal of Synchrotron Radiation	26	1	194	204	2019	2,452	10.1107/S1600577518015242	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85058378963&amp;doi=10.1107%2fS1600577518015242&amp;partnerID=40&amp;md5=e113d8a8d3eab1087a6b4994315c83e8">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85058378963&amp;doi=10.1107%2fS1600577518015242&amp;partnerID=40&amp;md5=e113d8a8d3eab1087a6b4994315c83e8</a>	Green Published, Other Gold	AEM/MML
74	Ceramic-reinforced $\gamma$ -TiAl-based composites: Synthesis, structure, and properties	Lazurenko D.V., Stark A., Esikov M.A., Paul J., Bataev I.A., Kashimbetova A.A., Mali V.I., Lorenz U., Pyczak F.,	Materials	12	4	629		2019	2,972	10.3390/ma12040629	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062214334&amp;doi=10.3390%2fma12040629&amp;partnerID=40&amp;md5=2b9f88034eb56ca34fc392b39470ecbf">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062214334&amp;doi=10.3390%2fma12040629&amp;partnerID=40&amp;md5=2b9f88034eb56ca34fc392b39470ecbf</a>	DOAJ Gold, Green Published	AEM/MML
75	In situ phase transition of microemulsions for parenteral injection yielding lyotropic liquid crystalline carriers of the antitumor drug bufalin	Li Y., Angelova A., Liu J., Garamus V.M., Li N., Drechsler M., Gong Y., Zou A.,	Colloids and Surfaces B: Biointerfaces	173		217	225	2019	3,973	10.1016/j.colsurfb.2018.09.023	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85054325176&amp;doi=10.1016%2fj.colsurfb.2018.09.023&amp;partnerID=40&amp;md5=cb91ee444bba5c6c493a5802fdb65c61">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85054325176&amp;doi=10.1016%2fj.colsurfb.2018.09.023&amp;partnerID=40&amp;md5=cb91ee444bba5c6c493a5802fdb65c61</a>		MML
76	2D/3D local strain analysis of layered metal composites with a strength-ductility synergy	Li, D.Y., Huang, M., Xia, Y.P., Xu, C., Gan, W.M., Geng, L., Fan, G.H.	IOP Conference Series: Materials Science and Engineering	580	1	12038		2019	Proceeding	10.1088/1757-899X/580/1/012038		OA	MML

No.	Title	Author	Source	Volume	Issue	Page start	Page end	Year	Impact-Factor	DOI	Link	Open Access	HGF-Programme
77	Carbon Redistribution Process in Austempered Ductile Iron (ADI) During Heat Treatment—APT and Synchrotron Diffraction Study	Li, X. H.; Wagner, J. N.; Stark, A.; Koos, R.; Landesberger, M.; Hofmann, M.; Fan, G. H.; Gan, W. M.; Petry, W.	Metals	9	7	789	803	2019	2,26	10.3390/met9070789	<a href="https://www.mdpi.com/2075-4701/9/7/789">https://www.mdpi.com/2075-4701/9/7/789</a>	OA	AEM/MML
78	Loading Psoralen into liposomes to enhance its stimulatory effect on the proliferation and differentiation of mouse calvarias osteoblasts	Li, X., Garamus, V.M., Li, N., Zhe, Z., Willumeit-Römer, R., Zou, A.	Journal of Dispersion Science and Technology	40	11	1531	1538	2019	1,454	10.1080/01932691.2018.1462196			AEM/MML
79	pH-Responsiveness of Hexosomes and Cubosomes for Combined Delivery of Brucea Javanica Oil and Doxorubicin	Li, Y.; A. Angelova, F. Hou, V. M. Garamus, Ch. Peng, N. Li, J. Liu, D. Liu, A. Zou	Langmuir	35		14532	14542	2019	3,683	10.1021/acs.langmuir.9b02257			MML
80	Self-assembly of mitochondria-specific peptide amphiphiles amplifying lung cancer cell death through targeting the VDAC1-hexokinase-II complex	Liu D., Angelova A., Liu J., Garamus V.M., Angelov B., Zhang X., Li Y., Feger G., Li N., Zou A.,	Journal of Materials Chemistry B	7	30	4706	4716	2019	5,047	10.1039/c9tb00629j	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85070098868&amp;doi=10.1039%2fc9tb00629j&amp;partnerID=40&amp;md5=9e76ee8ae288ba682041663df899257e">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85070098868&amp;doi=10.1039%2fc9tb00629j&amp;partnerID=40&amp;md5=9e76ee8ae288ba682041663df899257e</a>		MML
81	In Situ Small-Angle Neutron Scattering Investigation of Adsorption-Induced Deformation in Silica with Hierarchical Porosity	Ludescher, L.; Morak, R.; Balzer, C.; Waag, A. M.; Braxmeier, S.; Putz, F.; Busch, S.; Gor, G. Y.; Neimark, A. V.; Hüsing, N.; Reichenauer, G.; Paris, O.	Langmuir	35	35	11590		2019	3,683	10.1021/acs.langmuir.9b01375			MML
82	Biomimetic hard and tough nanoceramic Ti-Al-N film with self-assembled six-level hierarchy	Meindlhumer M., Zalesak J., Pitonak R., Todt J., Sartory B., Burghammer M., Stark A., Schell N., Daniel R., Keckes J.F., Lessiak M., Köpf A., Weißbacher R., Keckes J.,	Nanoscale	11	16	7986	7995	2019	6,97	10.1039/c8nr10339a	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85061102668&amp;doi=10.1039%2fc8nr10339a&amp;partnerID=40&amp;md5=ed051e500ae2c4f8b765b03f187205b5">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85061102668&amp;doi=10.1039%2fc8nr10339a&amp;partnerID=40&amp;md5=ed051e500ae2c4f8b765b03f187205b5</a>	Other Gold, Green Published	AEM/MML
83	Stress-controlled decomposition routes in cubic AlCrN films assessed by in-situ high-temperature high-energy grazing incidence transmission X-ray diffraction	Meindlhumer, M., Klima, S., Jäger, N., Stark, A., Hruby, H., Mitterer, C., Keckes, J., Daniel, R.	Scientific Reports	9	1	18027		2019	4,011	10.1038/s41598-019-54307-7		OA	AEM/MML
84	Magnetic structure of the inverse opal-like structures: Small angle neutron diffraction and micromagnetic simulations	Mistonov A.A., Dubitskiy I.S., Shishkin I.S., Grigoryeva N.A., Heinemann A., Sapoletova N.A., Valkovskiy G.A., Grigoriev S.V.,	Journal of Magnetism and Magnetic Materials	477		99	108	2019	2,683	10.1016/j.jmmm.2019.01.016	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85060114214&amp;doi=10.1016%2fj.jmmm.2019.01.016&amp;partnerID=40&amp;md5=8fd61a8500c7ad14b369a8f4c2e1f173">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85060114214&amp;doi=10.1016%2fj.jmmm.2019.01.016&amp;partnerID=40&amp;md5=8fd61a8500c7ad14b369a8f4c2e1f173</a>		MML
85	A load frame for in situ tomography at PETRA III	Moosmann J., D. C. F. Wieland, B. Zeller-Plumhoff, S. Galli, D. Krüger, A. Ershov, S. Lautner, J. Sartori, M. Dean, S. Köhring, H. Burmester, T. Dose, N. Peruzzi, A. Wennerberg, R. Willumeit-Römer, F. Wilde, P. Heuser, J. U. Hammel and F. Beckmann	Proc. SPIE 11113, Developments in X-Ray Tomography	XII		1111318		2019	Scopus	10.1117/12.2530445			AEM/MML
86	Ultrahigh-strength low carbon steel obtained from the martensitic state via high pressure torsion	Mueller, T., Kapp, M.W., Bachmaier, A., Felfer, P., Pippan, R.	Acta Materialia	166		168	177	2019	7,293	10.1016/j.actamat.2018.12.028	<a href="https://www.scopus.com/record/display.uri?eid=2-s2.0-85059239943&amp;origin=resultslist&amp;sort=plf&amp;src=s&amp;st1=Kapp%2c+M&amp;st2=Bachmaier%2cA&amp;sid=ccc6f58b07814e0348f2e9bc80c28801&amp;sot=b&amp;sd t=b&amp;sl=51&amp;s=%28AUTHOR-NAME%28Kapp%2c+M%29+AND+AUTHOR-NAME%28Bachmaier%2cA%29%29&amp;relpos=0&amp;citeCnt=1&amp;searchTerm=">https://www.scopus.com/record/display.uri?eid=2-s2.0-85059239943&amp;origin=resultslist&amp;sort=plf&amp;src=s&amp;st1=Kapp%2c+M&amp;st2=Bachmaier%2cA&amp;sid=ccc6f58b07814e0348f2e9bc80c28801&amp;sot=b&amp;sd t=b&amp;sl=51&amp;s=%28AUTHOR-NAME%28Kapp%2c+M%29+AND+AUTHOR-NAME%28Bachmaier%2cA%29%29&amp;relpos=0&amp;citeCnt=1&amp;searchTerm=</a>		MML

No.	Title	Author	Source	Volume	Issue	Page start	Page end	Year	Impact-Factor	DOI	Link	Open Access	HGF-Programme	
87	Magnetic small-angle neutron scattering	Muhlbauer, S; Honecker, D; Perigo, EA; Bergner, F; Dirsch, S; Heinemann, A; Erokhin, S; Berkov, D; Leighton, C; Eskildsen, MR; Michels, A	REVIEWS OF MODERN PHYSICS	91	1			2019	38,296	10.1103/RevModPhys.91.015004			MML	
88	Azide-Modified Membrane Lipids: Miscibility with Saturated Phosphatidylcholines	Müller S., C. Schwieger, K. Gruhle, V. M Garamus, G. Hause, A. Meister, S. Drescher	Langmuir	35		12439	12450	2019	3,683	10.1021/acs.langmuir.9b01842			MML	
89	The oldest short-tailed whipscorpion (Schizomida): A new genus and species from the Upper Cretaceous amber of northern Myanmar	Müller, S.P., Dunlop, J.A., Kotthoff, U., Hammel, J.U., Harms, D.	Cretaceous Research	106		104227		2019	2,12	10.1016/j.cretres.2019.104227			MML	
90	Nanostructured Low Carbon Steels Obtained from the Martensitic State via Severe Plastic Deformation, Precipitation, Recovery, and Recrystallization	Muller, T; Bachmaier, A; Stark, A; Schell, N; Pippan, R	ADVANCED ENGINEERING MATERIALS	21	1			2019	2,906	10.1002/adem.201800202		Bronze	AEM/MML	
91	Additive solution deposition of multi-layered semiconducting polymer films for design of sophisticated device architectures	Murrey, T.L., Guo, K., Mulvey, J.T., Lee, O.A., Cendra, C., Bedolla-Valdez, Z.I., Salleo, A., Moulin, J.-F., Hong, K., Moulé, A.J.	Journal of Materials Chemistry C	7	4	953	960	2019	6,641	10.1039/c8tc05652h	<a href="https://www.scopus.com/record/display.uri?eid=2-s2.0-85060582783&amp;origin=resultslist&amp;sort=plf-f&amp;src=s&amp;st1=Moulin%2c+J&amp;nlo=&amp;nlr=&amp;nls=&amp;sid=b3c4778a6c54604a6b7623946c407912&amp;sot=b&amp;sdt=cl&amp;cluster=scoprefnameuid%2c%22Moulin%2c+J.F.%237006356691%22%2ct&amp;sl=22&amp;s=AUTHOR-NAME%28Moulin%2c+J%29&amp;relpos=3&amp;citeCnt=2&amp;searchTerm=">https://www.scopus.com/record/display.uri?eid=2-s2.0-85060582783&amp;origin=resultslist&amp;sort=plf-f&amp;src=s&amp;st1=Moulin%2c+J&amp;nlo=&amp;nlr=&amp;nls=&amp;sid=b3c4778a6c54604a6b7623946c407912&amp;sot=b&amp;sdt=cl&amp;cluster=scoprefnameuid%2c%22Moulin%2c+J.F.%237006356691%22%2ct&amp;sl=22&amp;s=AUTHOR-NAME%28Moulin%2c+J%29&amp;relpos=3&amp;citeCnt=2&amp;searchTerm=</a>			MML
92	Evidence of an orthorhombic transition phase in a Ti-44Al-3Mo (at.%) alloy using in situ synchrotron diffraction and transmission electron microscopy	Musi M., Erdely P., Rashkova B., Clemens H., Stark A., Staron P., Schell N., Mayer S.,	Materials Characterization	147		398	405	2019	3,22	10.1016/j.matchar.2018.11.025	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85057220719&amp;doi=10.1016%2fj.matchar.2018.11.025&amp;partnerID=40&amp;md5=08642662a9a8a85c1d9ef41138cc897">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85057220719&amp;doi=10.1016%2fj.matchar.2018.11.025&amp;partnerID=40&amp;md5=08642662a9a8a85c1d9ef41138cc897</a>	Other Gold, Green Published	AEM/MML	
93	Laser welding of precipitation strengthened Ni-rich NiTiHf high temperature shape memory alloys: Microstructure and mechanical properties	Oliveira J.P., Schell N., Zhou N., Wood L., Benafan O.,	Materials and Design	162		229	234	2019	5,77	10.1016/j.matdes.2018.11.053	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85057529968&amp;doi=10.1016%2fj.matdes.2018.11.053&amp;partnerID=40&amp;md5=fae569668f0db503483d080335e75e41">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85057529968&amp;doi=10.1016%2fj.matdes.2018.11.053&amp;partnerID=40&amp;md5=fae569668f0db503483d080335e75e41</a>	DOAJ Gold, Green Published	MML	
94	Simulation framework SYRIS tested for microtomography applications at the imaging beamline P05/PETRA III	Otte F., Faragó T., Moosmann J., Hipp A.C., Hammel J.U., Beckmann F.,	AIP Conference Proceedings	2054		60084		2019	Proceeding	10.1063/1.5084715	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85060494247&amp;doi=10.1063%2f1.5084715&amp;partnerID=40&amp;md5=a55521818e8610537073cdc4a4706dd8">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85060494247&amp;doi=10.1063%2f1.5084715&amp;partnerID=40&amp;md5=a55521818e8610537073cdc4a4706dd8</a>		MML	
95	Contrast Matched SANS for Observing SEI and Pore Clogging in Silicon-Graphite Anodes	Paul, N; Wetjen, M; Busch, S; Gasteiger, H; Gilles, R	JOURNAL OF THE ELECTROCHEMICAL SOCIETY	166	6	A1051	A1054	2019	3,12	10.1149/2.0781906jes		Other Gold	MML	
96	Microstructures and mechanical properties of FeCoCrNi high entropy alloy/WC reinforcing particles composite coatings prepared by laser cladding and plasma cladding	Peng Y.B., Zhang W., Li T.C., Zhang M.Y., Wang L., Song Y., Hu S.H., Hu Y.,	International Journal of Refractory Metals and Hard Materials	84				2019	2,794	10.1016/j.ijrmhm.2019.105044	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85070228163&amp;doi=10.1016%2fj.ijrmhm.2019.105044&amp;partnerID=40&amp;md5=bec7f60fd1436db5fc9b5d2614a833e">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85070228163&amp;doi=10.1016%2fj.ijrmhm.2019.105044&amp;partnerID=40&amp;md5=bec7f60fd1436db5fc9b5d2614a833e</a>		AEM/MML	
97	Impact of Symmetry on Anisotropic Magnetoresistance in Textured Ferromagnetic Thin Films	Philippi-Kobs, A.; Farhadi, A.; Matheis, L.; Lott, D.; Chuvilin, A.; Oepen, H. P.	Physical review letter	123		137201-1	137201-7	2019	9,227	10.1103/PhysRevLett.123.137201			MML	

No.	Title	Author	Source	Volume	Issue	Page start	Page end	Year	Impact-Factor	DOI	Link	Open Access	HGF-Programme
98	The first fossil free-living late instar larva of Strepsiptera (Insecta)	Pohl H., Hammel J.U., Richter A., Beutel, R.G.	ARTHROPOD SYSTEMATICS & PHYLOGENY	77	1	125	140	2019	1,637	10.26049/ASP77-1-2019-06	<a href="https://www.scopus.com/record/display.uri?eid=2-s2.0-85066029061&amp;origin=resultslist&amp;sort=plf-f&amp;src=s&amp;st1=Hammel%2c+J&amp;nlo=&amp;nlr=&amp;nls=&amp;sid=427ab518a9d54f5e72abe4ce388e1db5&amp;sot=b&amp;sdct=c&amp;cluster=scoprefnameuid%2c%22Hammel%2c+J.U.%23232581996300%22%2ct%2b%2cscopubyr%2c%222019%22%2ct&amp;sl=22&amp;s=AUTHOR-NAME%28Hammel%2c+J%29&amp;relpos=3&amp;citeCnt=0&amp;searchTerm=">https://www.scopus.com/record/display.uri?eid=2-s2.0-85066029061&amp;origin=resultslist&amp;sort=plf-f&amp;src=s&amp;st1=Hammel%2c+J&amp;nlo=&amp;nlr=&amp;nls=&amp;sid=427ab518a9d54f5e72abe4ce388e1db5&amp;sot=b&amp;sdct=c&amp;cluster=scoprefnameuid%2c%22Hammel%2c+J.U.%23232581996300%22%2ct%2b%2cscopubyr%2c%222019%22%2ct&amp;sl=22&amp;s=AUTHOR-NAME%28Hammel%2c+J%29&amp;relpos=3&amp;citeCnt=0&amp;searchTerm=</a>	OA	MML
99	Continuous dynamic recrystallization during hot torsion of an aluminum alloy	Poletti, M.C., Simonet-Fotou, T., Halici, D., Canelo-Yubero, D., Montheillet, F., Piot, D., Kovács, Z., Schell, N., Tolnai, D.	Journal of Physics: Conference Series	1270	1	12049		2019	Scopus	10.1088/1742-6596/1270/1/012049	<a href="https://www.scopus.com/record/display.uri?eid=2-s2.0-85072127399&amp;origin=resultslist&amp;sort=plf-f&amp;src=s&amp;sid=562a5995be3512133152487c5d41fab&amp;sot=autdocs&amp;dt=autdocs&amp;sl=18&amp;s=AUID%2857203056768%29&amp;relpos=8&amp;citeCnt=0&amp;searchTerm=">https://www.scopus.com/record/display.uri?eid=2-s2.0-85072127399&amp;origin=resultslist&amp;sort=plf-f&amp;src=s&amp;sid=562a5995be3512133152487c5d41fab&amp;sot=autdocs&amp;dt=autdocs&amp;sl=18&amp;s=AUID%2857203056768%29&amp;relpos=8&amp;citeCnt=0&amp;searchTerm=</a>	OA	MML
100	Curcumin- and Fish Oil-Loaded Spongosome and Cubosome Nanoparticles with Neuroprotective Potential against H <sub>2</sub> O <sub>2</sub> -Induced Oxidative Stress in Differentiated Human SH-SY5Y Cells	Rakotoarisoa M., Angelov B., Garamus V.M., Angelova A.,	ACS Omega	4	2	3061	3073	2019	2,584	10.1021/acsomega.8b03101	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85061567404&amp;doi=10.1021%2facsomega.8b03101&amp;partnerID=40&amp;md5=675af666bb9455e3dd991ef1a7195889">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85061567404&amp;doi=10.1021%2facsomega.8b03101&amp;partnerID=40&amp;md5=675af666bb9455e3dd991ef1a7195889</a>	DOAJ Gold, Green Published	MML
101	Non-destructive Neutron Surface Residual Stress Analysis	Rebello Kornmeier J., Hofmann M., Gan W.M., Gibmeier J., Saroun J.,	Journal of Nondestructive Evaluation	38	3	79		2019	2,139	10.1007/s10921-019-0617-2	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85070683744&amp;doi=10.1007%2fs10921-019-0617-2&amp;partnerID=40&amp;md5=f237e6289a77a5a51f9c95fc67fe68a2">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85070683744&amp;doi=10.1007%2fs10921-019-0617-2&amp;partnerID=40&amp;md5=f237e6289a77a5a51f9c95fc67fe68a2</a>		MML
102	Decomposition routes and strain evolution in arc deposited TiZrAlN coatings	Rogström L., Johansson Jöesaar M.P., Pilemalm R., Ghafoor N., Johnson L.J.S., Schell N., Odén M.,	Journal of Alloys and Compounds	779		261	269	2019	4,175	10.1016/j.jallcom.2018.11.039	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85056940714&amp;doi=10.1016%2fj.jallcom.2018.11.039&amp;partnerID=40&amp;md5=32317236a32ff0cb2e3c6f05abf8d99c">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85056940714&amp;doi=10.1016%2fj.jallcom.2018.11.039&amp;partnerID=40&amp;md5=32317236a32ff0cb2e3c6f05abf8d99c</a>		MML
103	A custom built lathe designed for in operando high-energy x-ray studies at industrially relevant cutting parameters	Rogström, L., Chen, Y.H., Johansson Jöesaar, M., Eriksson, J., Fallqvist, M., Andersson, J., Schell, N., Odén, M., Birch, J.	Review of Scientific Instruments	90		103901		2019	Scopus	10.1063/1.5091766	<a href="https://www.scopus.com/record/display.uri?eid=2-s2.0-85073415093&amp;origin=resultslist&amp;sort=plf-f&amp;src=s&amp;sid=562a5995be3512133152487c5d41fab&amp;sot=autdocs&amp;dt=autdocs&amp;sl=18&amp;s=AUID%2857203056768%29&amp;relpos=4&amp;citeCnt=0&amp;searchTerm=">https://www.scopus.com/record/display.uri?eid=2-s2.0-85073415093&amp;origin=resultslist&amp;sort=plf-f&amp;src=s&amp;sid=562a5995be3512133152487c5d41fab&amp;sot=autdocs&amp;dt=autdocs&amp;sl=18&amp;s=AUID%2857203056768%29&amp;relpos=4&amp;citeCnt=0&amp;searchTerm=</a>		MML
104	Synchrotron X-ray imaging of a dichasium cupule of <i>Castanopsis</i> from Eocene Baltic amber	Sadowski E.-M., Hammel J. U., Denk T.	AMERICAN JOURNAL OF BOTANY	105	12	2025	2036	2019	3,414	10.1002/ajb2.1202			MML
105	Texture gradient in a rectangular extruded Al60Mg40 metal matrix composite	Sanamar S., Brokmeier H.-G., Schell N.,	Metals	9	2	167-1	167-12	2019	2,259	10.3390/met9020167	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062341999&amp;doi=10.3390%2fmet9020167&amp;partnerID=40&amp;md5=256a56c6895a3cebac3cc6073dc0e54d">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062341999&amp;doi=10.3390%2fmet9020167&amp;partnerID=40&amp;md5=256a56c6895a3cebac3cc6073dc0e54d</a>	DOAJ Gold, Green Published	MML

No.	Title	Author	Source	Volume	Issue	Page start	Page end	Year	Impact-Factor	DOI	Link	Open Access	HGF-Programme
106	Self-assembly of block copolymers during hollow fiber spinning: An in situ small-angle X-ray scattering study	Sankhala K., Wieland D.C.F., Koll J., Radjabian M., Abetz C., Abetz V.,	Nanoscale	11	16	7634	7647	2019	6,97	10.1039/c8nr06892e	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065117809&amp;doi=10.1039%2fc8nr06892e&amp;partnerID=40&amp;md5=4cf9408db75edb7a1a786926385494d2">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065117809&amp;doi=10.1039%2fc8nr06892e&amp;partnerID=40&amp;md5=4cf9408db75edb7a1a786926385494d2</a>		AEM/MML
107	Quantitative assessment of the time to end bainitic transformation	Santajuana, M.A., Eres-Castellanos, A., Ruiz-Jimenez, V., Allain, S., Geandier, G., Caballero, F.G., and Garcia-Mateo, C.	Metals	9	9	925	940	2019	2,259	10.3390/met909025	<a href="https://www.mdpi.com/2075-4701/9/9/925">https://www.mdpi.com/2075-4701/9/9/925</a>	OA	MML
108	Annealing-assisted high-pressure torsion in Zr55Cu30Al10Ni5 metallic glass	Sarac, B., Spieckermann, F., Rezvan, A., Gammer, C., Kraemer, L., Kim, J.T., Keckes, J., Pippan, R., and Eckert, J.	Journal of Alloys and Compounds	784		1323	1333	2019	4,175	10.1016/j.jallcom.2019.01.063	<a href="https://www.scopus.com/record/display.uri?eid=2-s2.0-85060313437&amp;origin=resultslist&amp;sort=plf-f&amp;src=s&amp;st1=Sarac%2c+B&amp;st2=&amp;id=d13dadd2e209a9acd86492f368c72979&amp;sot=b&amp;sdt=b&amp;sl=21&amp;s=AUTHOR-NAME%28Sarac%2c+B%29&amp;relpos=5&amp;citeCnt=1&amp;searchTerm=">https://www.scopus.com/record/display.uri?eid=2-s2.0-85060313437&amp;origin=resultslist&amp;sort=plf-f&amp;src=s&amp;st1=Sarac%2c+B&amp;st2=&amp;id=d13dadd2e209a9acd86492f368c72979&amp;sot=b&amp;sdt=b&amp;sl=21&amp;s=AUTHOR-NAME%28Sarac%2c+B%29&amp;relpos=5&amp;citeCnt=1&amp;searchTerm=</a>		MML
109	In-situ investigation of the oxidation behavior of metastable CVD-Ti1-xAlxN using a novel combination of synchrotron radiation XRD and DSC	Saringer C., Tkadletz M., Stark A., Schell N., Czettl C., Schalk N.,	Surface and Coatings Technology	374		617	624	2019	3,192	10.1016/j.surfcoat.2019.05.072	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85067576091&amp;doi=10.1016%2fjsurfcoat.2019.05.072&amp;partnerID=40&amp;md5=f0b51bc7cd9cf73f0b585f61b6bc6dd">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85067576091&amp;doi=10.1016%2fjsurfcoat.2019.05.072&amp;partnerID=40&amp;md5=f0b51bc7cd9cf73f0b585f61b6bc6dd</a>		AEM/MML
110	Three-Dimensional Deformation of Tendon-Bone Insertions under Load	Sartori, J; Kohring, S; Hammel, JU; Witte, H; Fischer, MS	JOURNAL OF MORPHOLOGY	280		S213	S213	2019	1,558				MML
111	Perfusion-ventilation CT via three-material differentiation in dual-layer CT: a feasibility study	Sauter, A.P., Hammel, J., Ehn, S., Achterhold, K., Kopp, F.K., Kimm, M.A., Mei, K., Laugere, A., Pfeiffer, F., Rummeny, E.J., Pfeiffer, D., Noël, P.B.	Scientific Reports	9	1	5837		2019	4,011	10.1038/s41598-019-42330-7	<a href="https://www.scopus.com/record/display.uri?eid=2-s2.0-85064086842&amp;origin=resultslist&amp;sort=plf-f&amp;src=s&amp;st1=Hammel%2c+J&amp;st2=&amp;id=0379dc52c49428dce4d7c61a00cb48&amp;sot=b&amp;sdt=b&amp;sl=22&amp;s=AUTHOR-NAME%28Hammel%2c+J%29&amp;relpos=0&amp;citeCnt=0&amp;searchTerm=">https://www.scopus.com/record/display.uri?eid=2-s2.0-85064086842&amp;origin=resultslist&amp;sort=plf-f&amp;src=s&amp;st1=Hammel%2c+J&amp;st2=&amp;id=0379dc52c49428dce4d7c61a00cb48&amp;sot=b&amp;sdt=b&amp;sl=22&amp;s=AUTHOR-NAME%28Hammel%2c+J%29&amp;relpos=0&amp;citeCnt=0&amp;searchTerm=</a>	OA	MML
112	Hierarchical architecture of spider attachment setae reconstructed from scanning nanofocus X-ray diffraction data	Schaber C.F., Flenner S., Glisovic A., Krasnov I., Rosenthal M., Stieglitz H., Krywka C., Burghammer M., Müller M., Gorb S.N.,	Journal of the Royal Society Interface	16	150	20180692		2019	3,224	10.1098/rsif.2018.0692	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85061310731&amp;doi=10.1098%2frsif.2018.0692&amp;partnerID=40&amp;md5=f5bc8863f80fee8274f03a1fdbc31e97">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85061310731&amp;doi=10.1098%2frsif.2018.0692&amp;partnerID=40&amp;md5=f5bc8863f80fee8274f03a1fdbc31e97</a>		MML
113	Dynamic Quantitative Iodine Myocardial Perfusion Imaging with Dual-Layer CT using a Porcine Model	Scherer, K., Hammel, J., Sellaer, T., Mechlem, K., Renger, B., Bähr, A., Kupatt, C., Hinkel, R., Herzen, J., Pfeiffer, F., Rummeny, E., Pfeiffer, D.	Scientific Reports	9	1	16046		2019	4,011	10.1038/s41598-019-52458-1		OA	MML
114	Texture in superconducting magnet constituent materials and its effect on elastic anisotropy	Scheuerlein C., Gan W., Hofmann M., Katzer B.,	IEEE Transactions on Applied Superconductivity	29	5	8630063		2019	1,692	10.1109/TASC.2019.2896452	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062279805&amp;doi=10.1109%2fTASC.2019.2896452&amp;partnerID=40&amp;md5=40ee0e53dc4caa12f9d35730e9868dd7">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062279805&amp;doi=10.1109%2fTASC.2019.2896452&amp;partnerID=40&amp;md5=40ee0e53dc4caa12f9d35730e9868dd7</a>		MML
115	Tuning the Elasticity of Cross-Linked Gold Nanoparticle Assemblies	Schlicke H., Kunze S., Finsel M., Leib E.W., Schröter C.J., Blankenburg M., Noei H., Vossmeier T.,	Journal of Physical Chemistry C	123	31	19165	19174	2019	4,309	10.1021/acs.jpcc.9b03553	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85070537205&amp;doi=10.1021%2facs.jpcc.9b03553&amp;partnerID=40&amp;md5=4b93221d6e00ae80be57294073dfeada">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85070537205&amp;doi=10.1021%2facs.jpcc.9b03553&amp;partnerID=40&amp;md5=4b93221d6e00ae80be57294073dfeada</a>		MML

No.	Title	Author	Source	Volume	Issue	Page start	Page end	Year	Impact-Factor	DOI	Link	Open Access	HGF-Programme
116	The SASE1 x-ray beam transport system	Sinn H., Dommach M., Dickert B., Di Felice M., Dong X., Eidam J., Finze D., Freijo-Martin I., Gerasimova N., Kohlstrunk N., La Civita D., Meyn F., Music V., Neumann M., Petrich M., Rio B., Samoylova L., Schmidtchen S., Störmer M., Trapp A., Vannoni M., Villanueva R., Yang F.,	Journal of Synchrotron Radiation	26	3	692	699	2019	2,452	10.1107/S1600577519003461	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064702327&amp;doi=10.1107%2F51600577519003461&amp;partnerID=40&amp;md5=2cac3be4d2986a4c3d229fa6a9c6ffcf">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064702327&amp;doi=10.1107%2F51600577519003461&amp;partnerID=40&amp;md5=2cac3be4d2986a4c3d229fa6a9c6ffcf</a>		MML
117	Putative spin-nematic phase in BaCdVO(PO4)2	Skoulatos, M.; Rucker, F.; Nilsen, GJ; Bertin, A; Pomjakushina, E; Olliver, J; Schneidewind, A; Georgii, R; Zaharko, O; Keller, L; Ruegg, C; Pfeleiderer, C; Schmidt, B; Shannon, N; Kriele, A; Senyshyn, A; Smerald, A	PHYSICAL REVIEW B	100	1	14405		2019	3,736	10.1103/PhysRevB.100.014405			MML
118	On a specific state of C 60 fullerene in N-methyl-2-pyrrolidone solution: Mass spectrometric study	Snegir S.V., Tropin T.V., Kyzyma O.A., Kuzmenko M.O., Petrenko V.I., Garamus V.M., Korobov M.V., Avdeev M.V., Bulavin L.A.,	Applied Surface Science	481		1566	1572	2019	5,155	10.1016/j.apsusc.2019.03.168	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064266773&amp;doi=10.1016%2Fj.apsusc.2019.03.168&amp;partnerID=40&amp;md5=994bc94d9cd293ba473e29953b259eff">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064266773&amp;doi=10.1016%2Fj.apsusc.2019.03.168&amp;partnerID=40&amp;md5=994bc94d9cd293ba473e29953b259eff</a>		MML
119	Microstructure evolution and enhanced creep property of a high Nb containing TiAl alloy with carbon addition	Song, L., Hu, X., Wang, L., Stark, A., Lazurenko, D., Lorenz, U., Lin, J., Pyczak, F., Zhang, T.	Journal of Alloys and Compounds	807				2019	Scopus	10.1016/j.jallcom.2019.151649			AEM/MML
120	Semantic segmentation of synchrotron tomography of multiphase Al-Si alloys using a convolutional neural network with a pixel-wise weighted loss function	Strohmann, T., Bugelnig, K., Breitbarth, E., Wilde, F., Steffens, T., Germann, H., Requena, G.	Scientific Reports	9	1	19611		2019	4,011	10.1038/s41598-019-56008-7		OA	MML
121	Increasing skyrmion stability in Cu2OSeO3 by chemical substitution	Sukhanov, A. S. ; Vir, P. ; Cameron, A. S. ; Wu, H. C. ; Martin, N. ; Mühlbauer, S. ; Heinemann, A. ; Yang, H. D. ; Felser, C. ; Inosov, D. S.	Physical review B	100	18	184408		2019	3,736	10.1103/PhysRevB.100.184408			MML
122	Giant enhancement of the skyrmion stability in a chemically strained helimagnet	Sukhanov, A. S. ; Vir, P. ; Heinemann, A. ; Nikitin, S. E. ; Kriegner, D. ; Borrmann, H. ; Shekhar, C. ; Felser, C. ; Inosov, D. S.	Physical review B	100	18	180403		2019	3,736	10.1103/PhysRevB.100.180403			MML
123	Advancing knowledge of electrochemically generated lithium microstructure and performance decay of lithium ion battery by synchrotron X-ray tomography	Sun F., He X., Jiang X., Osenberg M., Li J., Zhou D., Dong K., Hilger A., Zhu X., Gao R., Liu X., Huang K., De Ning, Markötter H., Zhang L., Wilde F., Cao Y., Winter M., Manke I.,	Materials Today	27		21	32	2019	24,372	10.1016/j.mattod.2018.11.003	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85058775046&amp;doi=10.1016%2Fj.mattod.2018.11.003&amp;partnerID=40&amp;md5=31760f8f96802265e655dcb82ed4a99b">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85058775046&amp;doi=10.1016%2Fj.mattod.2018.11.003&amp;partnerID=40&amp;md5=31760f8f96802265e655dcb82ed4a99b</a>	Other Gold	MML
124	Thermo-mechanical Processing of EZK Alloys in a Synchrotron Radiation Beam	Tolnai D., Dupont M.-A., Gavras S., Mathis K., Horvath K., Stark A., Schell N.,	Minerals, Metals and Materials Series	297	303			2019	Scopus	10.1007/978-3-030-05789-3_44	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064619449&amp;doi=10.1007%2F978-3-030-05789-3_44&amp;partnerID=40&amp;md5=3ebb4dc0bc980e6bb1c55be182865bf7">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064619449&amp;doi=10.1007%2F978-3-030-05789-3_44&amp;partnerID=40&amp;md5=3ebb4dc0bc980e6bb1c55be182865bf7</a>		AEM/MML
125	In situ synchrotron diffraction analysis of Zn additions on the compression properties of NK30	Tolnai, Domonkos; Marie-Anne Dupont, Serge Gavras, Klaudia Fekete-Horváth, Andreas Stark, Norbert Schell, Kristián Máthi	Materials	12	23	3935		2019	2,972	10.3390/ma12233935			AEM/MML
126	Sol-Gel Transition in Nanodiamond Aqueous Dispersions by Small-Angle Scattering	Tomchuk, OV; Avdeev, MV; Aleksenskii, AE; Vul, AY; Ivankov, OI; Ryukhtin, VV; Fuzi, J; Garamus, VM; Bulavin, LA	JOURNAL OF PHYSICAL CHEMISTRY C	123	29	18028	18036	2019	4,309	10.1021/acs.jpcc.9b03175			MML
127	Coherent charge and magnetic ordering in Ho/Y superlattice revealed by element-selective x-ray scattering	Ukleev, V.; Tarnavich, V.; Tartakovskaya, E.; Lott, D.; Kapaklis, V.; Oleshkevych, A.; Gargiani, P.; Valvidares, M.; White, J. S.; Grigoriev, S. V.	Physical review B	100	13	134417-1	134417-7	2019	3,736	10.1103/PhysRevB.100.134417			MML

No.	Title	Author	Source	Volume	Issue	Page start	Page end	Year	Impact-Factor	DOI	Link	Open Access	HGF-Programme
128	Deformation Mechanisms in Metastable Austenitic TRIP/TWIP Steels under Compressive Load Studied by in situ Synchrotron Radiation Diffraction	Ullrich C., Martin S., Schimpf C., Stark A., Schell N., Rafaja D.,	Advanced Engineering Materials	21	5	1801101		2019	2,906	10.1002/adem.201801101	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85057317221&amp;doi=10.1002%2fadem.201801101&amp;partnerID=40&amp;md5=5d38c8bbf62870f1365a84b0c3cc9565">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85057317221&amp;doi=10.1002%2fadem.201801101&amp;partnerID=40&amp;md5=5d38c8bbf62870f1365a84b0c3cc9565</a>		AEM/MML
129	New methylpyridinium ionic liquids - Influence of the position of -CH3 group on physicochemical and structural properties	Vranes, M.; Papovic, S.; Idrissi, A.; Zec, N. ; Panaget, T. ; Ajdukovic, J. ; Gadzuric, S.	Journal of Molecular Liquids	283		208	220	2019	4,561	10.1016/j.molliq.2019.03.075			MML
130	Obtaining hexagon-shaped billets of copper with gradient structure by twist extrusion	Vu, V.Q., Prokofeva, O., Toth, L.S., Ussov, V., Shkatulyak, N., Estrin, Y., Kulagin, R., Varyukhin, V., and Beygelzimer, Y.	Materials Characterization	153		215	223	2019	3,22	10.1016/j.matchar.2019.04.042	<a href="https://www.scopus.com/record/display.uri?eid=2-s2.0-85065387358&amp;origin=resultslist&amp;sort=plf-f&amp;src=s&amp;st1=Prokofeva%2c+O&amp;st2=&amp;sid=4e85719c156f827a88d00c8e6220b733&amp;sot=b&amp;sdt=b&amp;sl=25&amp;s=AUTHOR-NAME%28Prokofeva%2c+O%29&amp;relpos=0&amp;citeCnt=0&amp;searchTerm=">https://www.scopus.com/record/display.uri?eid=2-s2.0-85065387358&amp;origin=resultslist&amp;sort=plf-f&amp;src=s&amp;st1=Prokofeva%2c+O&amp;st2=&amp;sid=4e85719c156f827a88d00c8e6220b733&amp;sot=b&amp;sdt=b&amp;sl=25&amp;s=AUTHOR-NAME%28Prokofeva%2c+O%29&amp;relpos=0&amp;citeCnt=0&amp;searchTerm=</a>		MML
131	Growth and coarsening kinetics of gamma prime precipitates under simulated additive manufacturing conditions	Wahlmann, B., Galgon, F., Stark, A., Gayer, S., Schell, N., Staron, P., Körner, C.	Acta Materialia	180		84	96	2019	Scopus	10.1016/j.actamat.2019.08.049	<a href="https://www.scopus.com/record/display.uri?eid=2-s2.0-85071984914&amp;origin=resultslist&amp;sort=plf-f&amp;src=s&amp;sid=562a5995be35121333152487c5d41fab&amp;sot=autdocs&amp;dt=autdocs&amp;sl=18&amp;s=AU-ID%2857203056768%29&amp;relpos=3&amp;citeCnt=0&amp;searchTerm=">https://www.scopus.com/record/display.uri?eid=2-s2.0-85071984914&amp;origin=resultslist&amp;sort=plf-f&amp;src=s&amp;sid=562a5995be35121333152487c5d41fab&amp;sot=autdocs&amp;dt=autdocs&amp;sl=18&amp;s=AU-ID%2857203056768%29&amp;relpos=3&amp;citeCnt=0&amp;searchTerm=</a>		AEM/MML
132	Microstructure, phase stability and element partitioning of $\gamma$ - $\gamma'$ Co-9Al-9W-2X alloys in different annealing conditions	Wang L., Oehring M., Li Y., Song L., Liu Y., Stark A., Lorenz U., Pyczak F.,	Journal of Alloys and Compounds	787		594	605	2019	4,175	10.1016/j.jallcom.2019.01.289	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85061541760&amp;doi=10.1016%2fj.jallcom.2019.01.289&amp;partnerID=40&amp;md5=b34917c4ea78983216bf8653f0b48869">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85061541760&amp;doi=10.1016%2fj.jallcom.2019.01.289&amp;partnerID=40&amp;md5=b34917c4ea78983216bf8653f0b48869</a>		AEM/MML
133	Morphology Tuning of ZnO/P3HT/P3HT-b-PEO Hybrid Films Deposited via Spray or Spin Coating	Wang, K; Hohn, N; Kreuzer, LP; Widmann, T; Haese, M; Moulin, JF; Muller-Buschbaum, P	ACS APPLIED MATERIALS & INTERFACES	11	11	10998	11005	2019	8,456	10.1021/acsami.9b00599			MML
134	Identification of Laves phases in a Zr or Hf containing $\gamma$ - $\gamma'$ Co-base superalloy	Wang, L., Song, L., Stark, A., Liu, Y., Oehring, M., Lorenz, U., Pyczak, F.	Journal of Alloys and Compounds	805		880	886	2019	Scopus	10.1016/j.jallcom.2019.07.121			AEM/MML
135	In-situ synchrotron X-ray diffraction of Ti-6Al-4V during thermomechanical treatment in the beta field	Warchomicka, Fernando; David Canelo-Yubero, Egon Zehetner, Guillermo Requena, Andreas Stark, Cecilia Poletti	Metals	9	8	862		2019	2,259	10.3390/met9080862			AEM/MML
136	Hot extrusion approach to enhance the cyclic stability of elastocaloric effect in polycrystalline Ni-Mn-Ga alloys	Wei, LS; Zhang, XX; Gan, WM; Ding, C; Geng, L	SCRIPTA MATERIALIA	168		28	32	2019	4,539	10.1016/j.scriptamat.2019.04.009			MML
137	Deformation-induced phase transformation in a Co-Cr-W-Mo alloy studied by high-energy x-ray diffraction during in-situ compression tests	Weißensteiner, I., Petersmann, M. Erdely, P., Stark, A., Antretter, T., Clemens, H., and Maier-Kiener, V.	Acta Materialia	164		272	282	2019	7,293	10.1016/j.actamat.2018.10.035	<a href="https://www.scopus.com/record/display.uri?eid=2-s2.0-85055900993&amp;origin=resultslist&amp;sort=plf-f&amp;src=s&amp;st1=Wei%3c%9fensteiner%2c+I&amp;st2=&amp;sid=3e8fddae586d5233b040566f4fb78f1&amp;sot=b&amp;sdt=b&amp;sl=29&amp;s=AUTHOR-NAME%28Wei%3c%9fensteiner%2c+I%29&amp;relpos=1&amp;citeCnt=1&amp;searchTerm=">https://www.scopus.com/record/display.uri?eid=2-s2.0-85055900993&amp;origin=resultslist&amp;sort=plf-f&amp;src=s&amp;st1=Wei%3c%9fensteiner%2c+I&amp;st2=&amp;sid=3e8fddae586d5233b040566f4fb78f1&amp;sot=b&amp;sdt=b&amp;sl=29&amp;s=AUTHOR-NAME%28Wei%3c%9fensteiner%2c+I%29&amp;relpos=1&amp;citeCnt=1&amp;searchTerm=</a>		AEM/MML

No.	Title	Author	Source	Volume	Issue	Page start	Page end	Year	Impact-Factor	DOI	Link	Open Access	HGF-Programme
138	Formation of maghemite nanostructures in polyol: tuning the particle size via the precursor stoichiometry	Wetegrove M., Witte K., Bodnar W., Pfahl D.-E., Springer A., Schell N., Westphal F., Burkel E.,	CrystEngComm	21	12	1956	1966	2019	3,382	10.1039/C8CE02115E	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063086593&amp;doi=10.1039%2FC8CE02115E&amp;partnerID=40&amp;md5=d377c46c187f8ea541ba4e9b3b83af3">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063086593&amp;doi=10.1039%2FC8CE02115E&amp;partnerID=40&amp;md5=d377c46c187f8ea541ba4e9b3b83af3</a>		MML
139	Hydration and Solvent Exchange Induced Swelling and Deswelling of Homogeneous Poly(N-isopropylacrylamide) Microgel Thin Films	Widmann, T.; Kreuzer, L.P.; Hohn, N.; Bießmann, L.; Wang, K.; Rinner, S.; Moulin J.-F.; Schmid A.; Hannappel, Y.; Wrede, O.; Kühnhammer, M.; Hellweg, T.; von Klitzing, R.; Müller-Buschbaum, P.	Langmuir	35	49	16341	16352	2019	3,683	10.1021/acs.langmuir.9b03104			MML
140	Effect of Applied Compressive Stress and Impregnation Material on Internal Strain and Stress State in Nb 3 Sn Rutherford Cable Stacks	Wolf F., Scheuerlein C., Lorentzon M., Katzer B., Hofmann M., Gan W., Lackner F., Schoerling D., Tommasini D., Savary F., Bottura L.,	IEEE Transactions on Applied Superconductivity	29	5	8613931		2019	1,692	10.1109/TASC.2019.2893495	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85061241922&amp;doi=10.1109%2FTAAC.2019.2893495&amp;partnerID=40&amp;md5=a2071f519a675b5e5e74bdf759d7bfc2">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85061241922&amp;doi=10.1109%2FTAAC.2019.2893495&amp;partnerID=40&amp;md5=a2071f519a675b5e5e74bdf759d7bfc2</a>		MML
141	Enhanced tensile plasticity of a CuZr-based bulk metallic glass composite induced by ion irradiation	Xue, P.; Pauly, S.; Gan, W.; Jiang, S.; Fan, H.; Ning, Z.; Huang, Y.; Sun, J.	Journal of materials science & technology	35	10	2221		2019	5,04	10.1016/j.jmst.2019.06.003			MML
142	The Role of Second Phases on the Creep Behavior of As-Cast and Hot-Extruded Mg-Ca-Zr Alloys	You S., Huang Y., Dieringa H., Maawad E., Gan W., Kainer K.U., Hort N.,	JOM	71	7	2227	2234	2019	2,305	10.1007/s11837-019-03515-7	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065408251&amp;doi=10.1007%2fs11837-019-03515-7&amp;partnerID=40&amp;md5=0554ebbb8525b53087d35f8d0ebc673f">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065408251&amp;doi=10.1007%2fs11837-019-03515-7&amp;partnerID=40&amp;md5=0554ebbb8525b53087d35f8d0ebc673f</a>		AEM/MML
143	Influence of high hydrostatic pressure on solid supported DPPC bilayer with HA in the presence of Ca2+ ions	Zander Thomas, Wieland D. C. Florian, Raj Akanksha, Salmen Paul, Dogan Susanne, Dédinaité Andra, Vasyil M. Haramus, Andreas Schreyer, Per M. Claesson, Regine Willumeit-Römer	Soft Matter	15		7295	7304	2019	3,709	10.1039/C9SM01066A			MML
144	Unexpected Expansion Behavior of Mg-Al Alloys During Isothermal Ageing	Zhang X., Huang Y., Li X., Gan W., Kainer K.U., Hort N.,	JOM	71	8	2906	2912	2019	2,305	10.1007/s11837-019-03516-6	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065546596&amp;doi=10.1007%2fs11837-019-03516-6&amp;partnerID=40&amp;md5=3af62d18bdd67521ef83ca63df713a0">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065546596&amp;doi=10.1007%2fs11837-019-03516-6&amp;partnerID=40&amp;md5=3af62d18bdd67521ef83ca63df713a0</a>		AEM/MML
145	Fabrication, microstructure and mechanical properties of the as-rolled ZW31/PMMCs laminate	Zhang X.-C., Wang C.-J., Deng K.-K., Nie K.-B., Gan W.-M., Liang W., Wu Y.-C.,	Materials Science and Engineering A	761				2019	4,081	10.1016/j.msea.2019.138043	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85067618459&amp;doi=10.1016%2fj.msea.2019.138043&amp;partnerID=40&amp;md5=1272c4dff9647f2061bba01c8330aef">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85067618459&amp;doi=10.1016%2fj.msea.2019.138043&amp;partnerID=40&amp;md5=1272c4dff9647f2061bba01c8330aef</a>		MML
146	Effects of welding speed on the multiscale residual stresses in friction stir welded metal matrix composites	Zhang X.X., Wu L.H., André H., Gan W.M., Hofmann M., Wang D., Ni D.R., Xiao B.L., Ma Z.Y.,	Journal of Materials Science and Technology	35	5	824	832	2019	5,04	10.1016/j.jmst.2018.11.005	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85060883907&amp;doi=10.1016%2fj.jmst.2018.11.005&amp;partnerID=40&amp;md5=04024b14420005261a71701ced9a2bf6">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85060883907&amp;doi=10.1016%2fj.jmst.2018.11.005&amp;partnerID=40&amp;md5=04024b14420005261a71701ced9a2bf6</a>		MML
147	Dual-modified bufalin loaded liposomes for enhanced tumor targeting	Zhang Y., Tian Z., Zhao X., Li N., Garamus V.M., Yin P., Zou A.,	Colloids and Surfaces A: Physicochemical and Engineering Aspects	571		72	79	2019	3,131	10.1016/j.colsurfa.2019.03.060	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063402007&amp;doi=10.1016%2fj.colsurfa.2019.03.060&amp;partnerID=40&amp;md5=05c54f714059a43813beb468ebcf6ca">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063402007&amp;doi=10.1016%2fj.colsurfa.2019.03.060&amp;partnerID=40&amp;md5=05c54f714059a43813beb468ebcf6ca</a>		MML
148	Deformation of Ni-Mn-Ga 7M modulated martensite through detwinning/twinning and forward/reverse intermartensitic transformation studied by in-situ neutron diffraction and interrupted in-situ EBSD	Zou, N.; Li, Z.; Zhang, Y.; Gan, W.; Yang, B.; Zhao, X.; Esling, C.; Hofmann, M.; Zuo, L.	Acta materialia	174		319		2019	7,293	10.1016/j.actamat.2019.05.054			MML

No.	Title	Author	Source	Volume	Issue	Page start	Page end	Year	Impact-Factor	DOI	Link	Open Access	HGF-Programme
1	RGDSP functionalized carboxylated agarose as extrudable carriers for chondrocyte delivery	Arya, N; Forget, A; Sarem, M; Shastri, V.P;	MATERIALS SCIENCE AND ENGINEERING C - MATERIALS FOR BIOLOGICAL APPLICATIONS	99		103	111	2019	4,959	10.1016/j.msec.2019.01.080			BIFTM
2	Predictive topography impact model for Electrical Discharge Machining (EDM) of metal surfaces	Bäckemo Johansson, J; Heuchel, M; Reinthaler, M; Kratz, K; Lendlein, A	MRS ADVANCES					2019	0	10.1557/adv.2019.433			BIFTM
3	Actuators Based on Oligo[(ε-caprolactone)-co-glycolide] with Accelerated Hydrolytic Degradation	Balk, M.; Behl, M.; Lendlein, A.;	MRS ADVANCES					2019	0	10.1557/adv.2019.447			BIFTM
4	Hydrolytic Degradation of Actuators Based on Copolymer Networks From Oligo(epsilon-caprolactone) Dimethacrylate and n-Butyl Acrylate	Balk, M; Behl, M; Lendlein, A	MRS ADVANCES	4	21	1193	1205	2019	0	10.1557/adv.2019.202			BIFTM
5	Quadruple-shape hydrogels	Balk, M; Behl, M; Lendlein, A	SMART MATERIALS AND STRUCTURES	28	5			2019	3,543	10.1088/1361-665X/ab0e91		Other Gold	BIFTM
6	Self-stabilized fibronectin films at the air/water interface	Bhuvanesh, T; Machatschek, R; Liu, Y; Ma, N; Lendlein, A	MRS ADVANCES					2019	0	10.1557/adv.2019.401			BIFTM
7	In vitro thrombogenicity testing of biomaterials	Braune, S; Latour, R. A.; Reinthaler, M.; Landmesser, U.; Lendlein, A.; Jung, F.	ADVANCED HEALTHCARE MATERIALS	8	21			2019	6,27	10.1002/adhm.201900527			BIFTM
8	Oligodepsipeptide (nano)carriers: Computational design and analysis of enhanced drug loading	Brunacci, N; Neffe, AT; Wischke, C; Naolou, T; Nochel, U; Lendlein, A	JOURNAL OF CONTROLLED RELEASE	301		146	156	2019	7,901	10.1016/j.jconrel.2019.03.004			BIFTM
9	Hyperbranched poly( ethylenimine- co-oxazoline) by thiol- yne chemistry for non- viral gene delivery: investigating the role of polymer architecture	Cook, AB; Peltier, R; Zhang, JL; Gurnani, P; Tanaka, J; Burns, JA; Dallmann, R; Hartlieb, M; Perrier, S	POLYMER CHEMISTRY	10	10	1202	1212	2019	4,76	10.1039/c8py01648h			BIFTM
10	The MitraClip procedure in patients with moderate resting but severe exercise-induced Mitral Regurgitation	Curio, J.; Tarar, W.; Al-Hindwan, H.S.A.; Neumann, R.; Berger, C.; Hoting, M.-O.; Kasner, M.; Landmesser, U.; Reinthaler, M.	JOURNAL OF INVASIVE CARDIOLOGY	32	1	E1	E8	2020	1,363				BIFTM
11	Dedifferentiation of mature adipocytes with periodic exposure to cold	Deng, ZJ; Zou, J; Wang, WW; Nie, Y; Tung, WT; Ma, N; Lendlein, A	CLINICAL HEMORHEOLOGY AND MICROCIRCULATION	71	4	415	424	2019	1,642	10.3233/CH-199005			BIFTM
12	Collagen Peptide Upregulates Osteoblastogenesis from Bone Marrow Mesenchymal Stem Cells through MAPK-Runx2	Elango, J; Robinson, J; Zhang, JY; Bao, B; Ma, N; de Val, JEMS; Wu, WH	CELLS	8	5			2019	5,656	10.3390/cells8050446		DOAJ Gold	BIFTM
13	Thiol Michael-type reactions of optically active mercaptoacids in aqueous medium	Folikumah, MY; Neffe, AT; Behl, M; Lendlein, A	MRS ADVANCES	4	46-47	2515	2525	2019	0	10.1557/adv..2019.308			BIFTM
14	Phagocytosis of spherical and ellipsoidal micronetwork colloids from crosslinked poly(epsilon-caprolactone)	Friess, F; Roch, T; Seifert, B; Lendlein, A; Wischke, C	INTERNATIONAL JOURNAL OF PHARMACEUTICS	567				2019	3,061	10.1016/j.ijpharm.2019.118461			BIFTM
15	Microscopic analysis of shape-shiftable oligo(ε-caprolactone) – based particles	Friess, F; Wischke, C; Lendlein, A	MRS ADVANCES					2019	0	10.1557/adv.2019.392			BIFTM
16	Manipulation and Deposition of Complex, Functional Block Copolymer Nanostructures Using Optical Tweezers	Gould, OEC; Box, SJ; Boott, CE; Ward, AD; Winnik, MA; Miles, MJ; Manners, I	ACS NANO	13	4	3858	3866	2019	13,903	10.1021/acsnano.9b00342		Green Published	BIFTM
17	Characterization of Tissue Transglutaminase as a potential Biomarker for Tissue Response towards Biomaterials	Hauser, S.; Wodtke, R.; Tondera, C.; Wodtke, J.; Neffe, A. T.; Hampe, J.; Lendlein, A.; Löser, R.; Pietzsch, J.	ACS BIOMATERIALS SCIENCE & ENGINEERING	5	11	5979	5989	2019	4,511	10.1021/acsbomaterials.9b01299			BIFTM
18	Fibroblast origin shapes tissue homeostasis, epidermal differentiation, and drug uptake	Hausmann, C; Zoschke, C; Wolff, C; Darwin, ME; Sochorova, M; Kovacik, A; Wanjiku, B; Schumacher, F; Tigges, J; Kleuser, B; Lademann, J; Fritsche, E; Vavrova, K; Ma, N; Schafer-Korting, M	SCIENTIFIC REPORTS	9				2019	4,011	10.1038/s41598-019-39770-6		DOAJ Gold, Green Published	BIFTM
19	Investigating the Phase-Morphology of PLLA-PCL Multiblock Copolymer / PDLA Blends Cross-linked Using Stereocomplexation	Izraylit, V.; Gould, O. E. C.; Kratz, K.; Lendlein, A.	MRS ADVANCES					2019	0	10.1557/adv.2019.465			BIFTM
20	Controlling Actuation Performance in Physically Cross-linked Polylactone Blends Using Polylactide Stereocomplexation	Izraylit, V; Gould, OEC; Rudolph, T; Kratz, K; Lendlein, A	BIOMACROMOLECULES					2019	5,667	10.1021/acs.biomac.9b01279			BIFTM

No.	Title	Author	Source	Volume	Issue	Page start	Page end	Year	Impact-Factor	DOI	Link	Open Access	HGF-Programme
21	Programmable microscale stiffness pattern of flat polymeric substrates by temperature-memo technology	Jiang, Y; Mansfeld, U; Kratz, K; Lendlein, A	MRS COMMUNICATIONS	9	1	181	188	2019	1,935	10.1557/mrc.2019.24			BIFTM
22	Effect of lipopolysaccharide on the adherence of human umbilical vein endothelial cells (HUVEC) on a natural substrate	Kruger-Genge, A; Fuhrmann, R; Franke, RP; Jung, F	CLINICAL HEMORHEOLOGY AND MICROCIRCULATION	71	2	175	181	2019	1,642	10.3233/CH-189409			BIFTM
23	Spontaneous and induced platelet aggregation in apparently healthy subjects in relation to age	Kuhnla, A; Reinthaler, M; Braune, S; Maier, A; Pindur, G; Lendlein, A; Jung, F	CLINICAL HEMORHEOLOGY AND MICROCIRCULATION	71	4	425	435	2019	1,642	10.3233/CH-199006			BIFTM
24	Effect of iodinated contrast media on the oxygen tension in the renal cortico-medullary region of pigs	Lamby, P; Krüger-Genge, A; Franke, RP; Mrowitz, C; Falter, J; Graf, S; Schellenberg, EL; Jung, F; Prantl, L	CLINICAL HEMORHEOLOGY AND MICROCIRCULATION	73	1	261	270	2019	1,642	10.3233/CH-199009			BIFTM
25	Age-related morphology and function of human arterial endothelial cells	Lau, S.; Jung, F.; Lendlein, A.	CLINICAL HEMORHEOLOGY AND MICROCIRCULATION					2019	1,642	10.3233/CH-199238			BIFTM
26	Effects of Acrolein in comparison to its prodrug cyclophosphamide on human primary endothelial cells in vitro	Lau, S; Rangarajan, R; Philidet, C; Krüger-Genge, A; Braune, S; Kammerer, S; Küpper, J-H; Lendlein, A; Jung, F	TOXICOLOGY IN VITRO	62				2019	3,067	10.1016/j.tiv.2019.104685			BIFTM
27	Substrate-enzyme affinity-based surface modification strategy for endothelial cell-specific binding under shear stress	Lee, S.; Ganesan, R.; Krüger-Genge, A.; Kratz, K.; Franke, R.-P.; Lendlein, A.; Jung, F.	CLINICAL HEMORHEOLOGY AND MICROCIRCULATION					2019	1,642	10.3233/CH-190736			BIFTM
28	Bioprospectives for shape-memory polymers as shape programmable, active materials	Lendlein, A.; Balk, M.; Tarazona, N. A.; Gould, O. E. C.	BIOMACROMOLECULES	20	10	3627	3640	2019	5,667	10.1021/acs.biomac.9b01074			BIFTM
29	Reprogrammable recovery and actuation behaviour of shape-memory polymers	Lendlein, A; Gould, OEC	NATURE REVIEWS MATERIALS	4	2	116	133	2019	74,449	10.1038/s41578-018-0078-8			BIFTM
30	Therapeutic potential of menstrual blood-derived endometrial stem cells in cardiac diseases	Liu, YL; Niu, RC; Li, WZ; Lin, JT; Stamm, C; Steinhoff, G; Ma, N	CELLULAR AND MOLECULAR LIFE SCIENCES	76	9	1681	1695	2019	7,014	10.1007/s00018-019-03019-2			BIFTM
31	Solvent-based fabrication method for magnetic shape-memory nanocomposite foams	Lützow, K; Weigel, T; Lendlein, A	MRS ADVANCES					2019	0	10.1557/adv.2019.422			BIFTM
32	Fundamental insights in PLGA degradation from thin film studies	Machatschek, R.; Lendlein, A.	JOURNAL OF CONTROLLED RELEASE	319		276	284	2019	7,901	10.1016/j.jconrel.2019.12.044			BIFTM
33	Interfacial properties of morpholine-2,5-dione-based oligodepsipeptides and multiblock copolymers	Machatschek, R; Schone, AC; Raschdorf, E; Ihlenburg, RBJ; Schulz, B; Lendlein, A	MRS COMMUNICATIONS	9	1	170	180	2019	1,935	10.1557/mrc.2019.21			BIFTM
34	The interplay between network morphology and degradation kinetics of polymers: Theoretical and experimental analysis by means of 2D model system	Machatschek, R.; Lendlein, A.	MRS ADVANCES					2019	0	10.1557/adv.2019.457			BIFTM
35	Shape-Memory Polymers	Mazurek-Budzyńska M., Razzaq M.Y., Behl M., Lendlein A.	In: Jafar Mazumder M., Sheardown H., Al-Ahmed A. (eds) Functional Polymers. Polymers and Polymeric Composites: A Reference Series. Springer (book chapter)					2019	Scopus	10.1007/978-3-319-92067-2_18-1			BIFTM
36	Hydrolytic stability of aliphatic poly(carbonate-urea-urethane)s: Influence of hydrocarbon chain length in soft segment	Mazurek-Budzyńska, M; Behl, M; Razzaq, MY; Nochel, U; Rokicki, G; Lendlein, A	POLYMER DEGRADATION AND STABILITY	161		283	297	2019	3,78	10.1016/j.polymdegradstab.2019.01.032			BIFTM
37	Amides as Non-polymerizable Catalytic Adjuncts Enable the Ring-Opening Polymerization of Lactide With Ferrous Acetate Under Mild Conditions	Naolou, T; Lendlein, A; Neffe, AT	FRONTIERS IN CHEMISTRY	7				2019	3,782	10.3389/fchem.2019.00346		DOAJ Gold	BIFTM
38	Polydopamine-mediated Surface Modification Promotes the Adhesion and Proliferation of Human Induced Pluripotent Stem Cells	Nie, Y., Deng, Z.; Wang, W.; Bhuvanesh, T.; Ma, N.; Lendlein, A.	MRS ADVANCES					2019	0	10.1557/adv.2019.405			BIFTM

No.	Title	Author	Source	Volume	Issue	Page start	Page end	Year	Impact-Factor	DOI	Link	Open Access	HGF-Programme
39	In vitro degradation analysis of 3D-architected gelatin-based Hydrogels	Pang, J; Wischke, C; Lendlein, A	MRS ADVANCES					2019	0	10.1557/adv.2019.441			BIFTM
40	Matching magnetic heating and thermal actuation for sequentially coupling in hybrid composites by design	Razzaq, M; Behl, M; Lendlein, A	MACROMOLECULAR RAPID COMMUNICATIONS	41	1			2019	4,078	10.1002/marc.201900440			BIFTM
41	Magneto-Mechanical Actuators with Reversible Stretching and Torsional Actuation Capabilities	Razzaq, MY; Behl, M; Lendlein, A	MRS ADVANCES	4	19	1057	1065	2019	0	10.1557/adv.2019.123			BIFTM
42	Cell number in mesenchymal stem cell aggregates dictates cell stiffness and chondrogenesis	Sarem, M; Otto, O; Tanaka, S; Shastri VP	STEM CELL RESEARCH & THERAPY	10	10			2019	4,627	10.1186/s13287-018-1103-y		IF 4,078	BIFTM
43	Reversible 2D networks of oligo(epsilon-caprolactone) at the air-water interface	Saretia, S; Machatschek, R; Schulz, B; Lendlein, A	BIOMEDICAL MATERIALS	14	3			2019	3,44	10.1088/1748-605X/ab0cef		Other Gold	BIFTM
44	Comparison of exercise electrocardiography and magnetocardiography for detection of coronary artery disease using ST-segment fluctuation score	Shin; E-S; Chung, J-H; Park, SG; Saleh, A; Lam, Y-Y; Bhak, J; Jung, F; Morita, S; Brachmann, J	CLINICAL HEMORHEOLOGY AND MICROCIRCULATION	73	2	283	291	2019	1,642	10.3233/CH-180485			BIFTM
45	BloodSurf 2017: News from the Blood-Biomaterial Frontier	Sotiri, I; Robinchaud, M; Lee, D; Braune, S; Gorbet, M; Ratner, BD; Brash, JL; Latour, R; Reviakine, I	ACTA BIOMATERIALIA	15	87	55	60	2019	6,638	10.1016/j.actbio.2019.01.032			BIFTM
46	The Effect of Stiffness Variation of Electrospun Fiber Meshes of Multiblock Copolymers on the Osteogenic Differentiation of Human Mesenchymal Stem Cells	Sun, X.; Tung, W.; Wang, W.; Xu, X.; Zou, J.; Gould, O.E.C.; Kratz, K.; Ma, N.; Lendlein, A.	CLINICAL HEMORHEOLOGY AND MICROCIRCULATION	73	1	219	228	2019	1,642	10.3233/CH-199206			BIFTM
47	Elasticity of fiber meshes from multiblock copolymers influences endothelial cell behavior	Sun, X.; Tung, W.; Zou, J.; Wang, W.; Kratz, K.; Ma, N.; Lendlein, A.	CLINICAL HEMORHEOLOGY AND MICROCIRCULATION					2019	1,642	10.3233/CH-190696			BIFTM
48	Relation between Surface Area and Surface Potential Change during (co)Polyesters Degradation as Langmuir Monolayer	Tarazona, N. A. ; Machatschek, R.; Lendlein, A.	MRS ADVANCES					2019	0	10.1557/adv.2019.458			BIFTM
49	Molecular insights into the physical adsorption of amphiphilic protein PhaF onto copolyester surfaces	Tarazona, NA; Machatschek, R; Schulz, B; Prieto, MA; Lendlein, A	BIOMACROMOLECULES	20		3242	3252	2019	5,667	10.1021/acs.biomac.9b00069			BIFTM
50	Unraveling the interplay between abiotic hydrolytic degradation and crystallization of bacterial polyesters comprising short and medium side-chain length polyhydroxyalkanoates:	Tarazona, N. A. ; Machatschek, R.; Lendlein, A.	BIOMACROMOLECULES					2019	5,667	10.1021/acs.biomac.9b01458			BIFTM
51	Mechanical Characterization of Electrospun Polyesteretherurethane (PEEU) Meshes by Atomic Force Microscopy	Tung, W.; Wang, W.; Liu, Y.; Gould, O.E.C.; Kratz, K.; Ma, N.; Lendlein, A.	CLINICAL HEMORHEOLOGY AND MICROCIRCULATION	73	1	229	236	2019	1,642	10.3233/CH-199201			BIFTM
52	Coaxial electrospinning of PEEU/Gelatin to fiber meshes with enhanced mesenchymal stem cell attachment and proliferation	Tung, W.; Zou, J.; Sun, X.; Wang, W.; Gould, O.E.C.; Kratz, K.; Ma, N.; Lendlein, A.	CLINICAL HEMORHEOLOGY AND MICROCIRCULATION					2019	1,642	10.3233/CH-199235			BIFTM
53	Fine-tuning of Rat Mesenchymal Stem Cell Senescence via Microtopography of Polymeric Substrates	Xu, X.; Wang, W.; Nie, Y.; Kratz, K.; Ma, N.; Lendlein, A.	MRS ADVANCES					2019	0	10.1557/adv.2019.446			BIFTM
54	Shape-memory effect by sequential coupling of functions over different length scales in an architected hydrogel	You, Z.; Behl, M.; Grage, S.L.; Bürck, J.; Zhao, Q.; Ulrich, A. S., Lendlein, A.	BIOMACROMOLECULES					2019	5,667	10.1021/acs.biomac.9b01390			BIFTM
55	Shape memory nanocomposite fibers for untethered high-energy microengines	Yuan, JK; Neri, W; Zakri, C; Merzeau, P; Kratz, K; Lendlein, A; Poulin, P	SCIENCE	365	6449	155	158	2019	41,037	10.1126/science.aaw3722			BIFTM
56	Chemo-responsive shape-memory effect of Rhodium-phosphine Coordination Polymer Networks	Zhang, P; Behl, M; Peng, X; Balk, M; Lendlein, A	CHEMISTRY OF MATERIALS	31	15	5402	5407	2019	10,159	10.1021/acs.chemmater.9b00363			BIFTM
57	Temperature-controlled reversible pore size change of electrospun fibrous shape-memory polymer actuator based meshes	Zhang, QC; Rudolph, T; Benitez, AJ; Gould, OEC; Behl, M; Kratz, K; Lendlein, A	SMART MATERIALS AND STRUCTURES	28	5			2019	3,543	10.1088/1361-665X/ab10a1		Other Gold	BIFTM

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 60 erschienene HZG-Publikationen 2019  
 Quelle: Web of Science (Thomson Reuters) und Scopus (Elsevier)

No.	Title	Author	Source	Volume	Issue	Page start	Page end	Year	Impact-Factor	DOI	Link	Open Access	HGF-Programme
58	Recent developments in fluorescent aptasensors for detection of antibiotics	Zhou, Y; Mahapatra, C; Chen, H; Peng, X; Ramakrishna, S; Nanda, HS	CURRENT OPINION IN BIOMEDICAL ENGINEERING	13		16	24	2020	Scopus	10.1016/j.cobme.2019.08.003			BIFTM
59	Microscale roughness regulates laminin-5 secretion of bone marrow mesenchymal stem cells	Zou, J.; Wang, W.; Nie, Y.; Xu, X.; Ma, N.; Lendlein, A.	CLINICAL HEMORHEOLOGY AND MICROCIRCULATION	73	1	237	247	2019	1,642	10.3233/CH-199205			BIFTM
60	AFM Assessment of the Mechanical Properties of Stem Cells During Differentiation	Zou, J; Wang, W; Sun, X; Tung, W; Ma, N; Lendlein, A	MRS ADVANCES					2019	0	10.1557/adv.2019.402			BIFTM

No.	Title	Author	Source	Volume	Issue	Page start	Page end	Year	Impact-Factor	DOI	Link	Open Access	HGF-Programme
1	Communicating Maritime Spatial Planning: The MSP Challenge approach	Abspoel L., Mayer I., Keijser X., Warmelink H., Fairgrieve R., Ripken M., Abramic A., Kannen A., Cormier R., Kidd S.,	Marine Policy					2019	2,865	10.1016/j.marpol.2019.02.057	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062404378&amp;doi=10.1016%2fj.marpol.2019.02.057&amp;partnerID=40&amp;md5=614c492109872246cb73b80d9c880451">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062404378&amp;doi=10.1016%2fj.marpol.2019.02.057&amp;partnerID=40&amp;md5=614c492109872246cb73b80d9c880451</a>	OA	PACES II
2	European marginal seas in a regional atmosphere–ocean coupled model and their impact on Vb-cyclones and associated precipitation	Akhtar N., Krug A., Brauch J., Arsouze T., Dieterich C., Ahrens B.,	Climate Dynamics	53	9/10	5967	5984	2019	4,048	10.1007/s00382-019-04906-x	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85070112100&amp;doi=10.1007%2f0382-019-04906-x&amp;partnerID=40&amp;md5=0949436282115b3da595d3a9c9d1e3a3">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85070112100&amp;doi=10.1007%2f0382-019-04906-x&amp;partnerID=40&amp;md5=0949436282115b3da595d3a9c9d1e3a3</a>	OA	PACES II
3	Revisiting Bolgiano-Obukhov scaling for moderately stably stratified turbulence	Alam, S; Guha, A; Verma, MK	JOURNAL OF FLUID MECHANICS	875		961	973	2019	3,137	10.1017/jfm.2019.529			PACES II
4	Sea level, sea surface temperature and SWH extreme percentiles: combined analysis from model results and in situ observations	Alvarez Fanjul, E., Staneva, J., et al.	Copernicus Marine Service Ocean State Report			3		2019	Scopus	10.1080/1755876X.2019.1633075			PACES II
5	FESOM-C v.2: Coastal dynamics on hybrid unstructured meshes	Androsov A., Fofonova V., Kuznetsov I., Danilov S., Rakowsky N., Harig S., Brix H., Helen Wiltshire K.,	Geoscientific Model Development	12	3	1009	1028	2019	5,154	10.5194/gmd-12-1009-2019	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063284390&amp;doi=10.5194%2fgmd-12-1009-2019&amp;partnerID=40&amp;md5=488e38cb6f51903f024dc04ce40e872a">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063284390&amp;doi=10.5194%2fgmd-12-1009-2019&amp;partnerID=40&amp;md5=488e38cb6f51903f024dc04ce40e872a</a>	DOAJ Gold	PACES II
6	Quantification of lightning-induced nitrogen oxide emissions over Europe	Arndt J.A., Aulinger A., Matthias V.,	Atmospheric Environment	202		128	141	2019	4,012	10.1016/j.atmosenv.2018.12.059	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85060541964&amp;doi=10.1016%2fj.atmosenv.2018.12.059&amp;partnerID=40&amp;md5=4be40a980558c797737b10e01e7a7959">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85060541964&amp;doi=10.1016%2fj.atmosenv.2018.12.059&amp;partnerID=40&amp;md5=4be40a980558c797737b10e01e7a7959</a>		PACES II
7	Saisonalitiy combined with the orientation of surfaces influences the microbial community structure of biofilms in the deep Mediterranean Sea	Bellou, N., Garcia, J.A.I., Colijn, F., Herndel, G.J.	Deep Sea Research Part II: Topical Studies in Oceanography	104703				2019	Scopus	doi:10.1016/j.dsr.2.2019.104703			PACES II
8	Dynamics of glyphosate and AMPA in the soil surface layer of glyphosate-resistant crop cultivations in the loess Pampas of Argentina	Bento C.P.M., van der Hoeven S., Yang X., Riksen M.M.J.P.M., Mol H.G.J., Ritsema C.J., Geissen V.,	Environmental Pollution	244		323	331	2019	5,714	10.1016/j.envpol.2018.10.046	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85056160910&amp;doi=10.1016%2fj.envpol.2018.10.046&amp;partnerID=40&amp;md5=9b6ce0a62a13765485eb36b816e7eb9a">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85056160910&amp;doi=10.1016%2fj.envpol.2018.10.046&amp;partnerID=40&amp;md5=9b6ce0a62a13765485eb36b816e7eb9a</a>		PACES II
9	Summertime precipitation extremes in a EURO-CORDEX 0.11 degrees ensemble at an hourly resolution	Berg, P; Christensen, OB; Klehmet, K; Lenderink, G; Olsson, J; Teichmann, C; Yang, W	NATURAL HAZARDS AND EARTH SYSTEM SCIENCES	19	4	957	971	2019	2,883	10.5194/nhess-19-957-2019		DOAJ Gold	PACES II
10	Wave climate change in the North Sea and Baltic Sea	Bonaduce A., Staneva J., Behrens A., Bidlot J.-R., Wilcke R.A.I.,	Journal of Marine Science and Engineering	7	6	166		2019	1,732	10.3390/jmse7060166	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85069217362&amp;doi=10.3390%2fjrmse7060166&amp;partnerID=40&amp;md5=3bebc2f92c3a221cc3b7a11e44e88221">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85069217362&amp;doi=10.3390%2fjrmse7060166&amp;partnerID=40&amp;md5=3bebc2f92c3a221cc3b7a11e44e88221</a>	DOAJ Gold	PACES II
11	Social-Culture Systems in the Case of Conch Management on Abaco, The Bahamas	Bornhauer-Beins, L. Guttry, C. de, Ratter, B. M. W.	Sustainability	11				2019	2,592				PACES II
12	When does weather become climate?	Bothe, O.	Journal of Marine Science and Engineering	7	166			2019	1,732	10-1029/2019E=131019			PACES II
13	Inconsistencies between observed, reconstructed, and simulated precipitation indices for England since the year 1650 CE	Bothe, O; Wagner, S; Zorita, E	CLIMATE OF THE PAST	15	1	307	334	2019	3,47	10.5194/cp-15-307-2019		DOAJ Gold	PACES II

No.	Title	Author	Source	Volume	Issue	Page start	Page end	Year	Impact-Factor	DOI	Link	Open Access	HGF-Programme
14	Simple noise estimates and pseudoproxies for the last 21 000 years	Bothe, O; Wagner, S; Zorita, E	EARTH SYSTEM SCIENCE DATA	11	3	1129	1152	2019	10,951	10.5194/essd-11-1129-2019		DOAJ Gold	PACES II
15	Global Stokes drift climate under the RCP8.5 scenario	Breivik Ø., Carrasco A., Staneva J., Behrens A., Semedo A., Bidlot J.-R., Aarnes O.J.,	Journal of Climate	32	6	1677	1691	2019	4,805	10.1175/JCLI-D-18-0435.1	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063004231&amp;doi=10.1175%2fJCLI-D-18-0435.1&amp;partnerID=40&amp;md5=dd244cdb44d6413064c4a0023f131b2b">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063004231&amp;doi=10.1175%2fJCLI-D-18-0435.1&amp;partnerID=40&amp;md5=dd244cdb44d6413064c4a0023f131b2b</a>		PACES II
16	The turbulent airflow over wind generated surface waves	Buckley M.P., Veron F.,	European Journal of Mechanics, B/Fluids	73		132	143	2019	1,811	10.1016/j.euromechflu.2018.04.003	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85047080250&amp;doi=10.1016%2fj.euromechflu.2018.04.003&amp;partnerID=40&amp;md5=3e4993db5715d717ddb0651ab515052">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85047080250&amp;doi=10.1016%2fj.euromechflu.2018.04.003&amp;partnerID=40&amp;md5=3e4993db5715d717ddb0651ab515052</a>	OA	PACES II
17	Holocene monsoon and sea level-related changes of sedimentation in the northeastern Arabian Sea	Burdanowitz N., Gaye B., Hilbig L., Lahajnar N., Lückge A., Rixen T., Emeis K.-C.,	Deep-Sea Research Part II: Topical Studies in Oceanography	166		6	18	2019	2,43	10.1016/j.dsr2.2019.03.003	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062969560&amp;doi=10.1016%2fj.dsr2.2019.03.003&amp;partnerID=40&amp;md5=722bc5954fb57b839d200f48af10c611">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062969560&amp;doi=10.1016%2fj.dsr2.2019.03.003&amp;partnerID=40&amp;md5=722bc5954fb57b839d200f48af10c611</a>	OA	PACES II
18	Submesoscale dispersion of surface drifters in a coastal sea near offshore wind farms	Callies U., Carrasco R., Floeter J., Horstmann J., Quante M.,	Ocean Science	15	4	865	889	2019	2,539	10.5194/os-15-865-2019	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068817565&amp;doi=10.5194%2fos-15-865-2019&amp;partnerID=40&amp;md5=9ae6e35c3719859cd966083855994743">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068817565&amp;doi=10.5194%2fos-15-865-2019&amp;partnerID=40&amp;md5=9ae6e35c3719859cd966083855994743</a>	DOAJ Gold	PACES II
19	Addressing long-term operational risk management in port docks under climate change scenarios-A spanish case study	Campos, J.R., Staneva, J., et al.	Water (Switzerland)	11	10			2019	2,524	10.3390/w11102153			PACES II
20	Surface Ocean Dispersion Observation from the Ship-Tethered Aerostat Remote Sensing System	Carlson, D.F., Horstmann, J. et al.	Frontiers in Marine Science					2019	3,086				PACES II
21	Instability of a smooth shear layer through wave interactions	Carpenter J.R., Guha A.,	Physics of Fluids	31	8	81701		2019	2,627	10.1063/1.5116633	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85070754514&amp;doi=10.1063%2f1.5116633&amp;partnerID=40&amp;md5=d4c03b197c552a6ce4a3288b8fa857cf">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85070754514&amp;doi=10.1063%2f1.5116633&amp;partnerID=40&amp;md5=d4c03b197c552a6ce4a3288b8fa857cf</a>		PACES II
22	Rapid environmental responses to climate-induced hydrographic changes in the Baltic Sea entrance	Charrieau, LM., Daewel, U., et al.	BIOGEOSCIENCES	16	19	3835	3852	2019	3,951	10.5194/bg-16-3835-2019			PACES II
23	Effect of phytoplankton size diversity on primary productivity in the North Pacific: trait distributions under environmental variability	Chen B., Smith S.L., Wirtz K.W.,	Ecology Letters	22	1	56	66	2019	8,699	10.1111/ele.13167	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85055709065&amp;doi=10.1111%2fele.13167&amp;partnerID=40&amp;md5=90918f9ac4b02bd21e163d3307cdeaae">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85055709065&amp;doi=10.1111%2fele.13167&amp;partnerID=40&amp;md5=90918f9ac4b02bd21e163d3307cdeaae</a>	Other Gold, Green Accepted	PACES II
24	Sediment dynamics driven by contour currents and mesoscale eddies along continental slope: A case study of the northern South China Sea	Chen H., Zhang W., Xie X., Ren J.,	Marine Geology	409		48	66	2019	3,349	10.1016/j.margeo.2018.12.012	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85059427966&amp;doi=10.1016%2fj.margeo.2018.12.012&amp;partnerID=40&amp;md5=307d94560650d64f71e28ea2ba14fac7">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85059427966&amp;doi=10.1016%2fj.margeo.2018.12.012&amp;partnerID=40&amp;md5=307d94560650d64f71e28ea2ba14fac7</a>	Other Gold	PACES II
25	Putting on a bow-tie to sort out who does what and why in the complex arena of marine policy and management	Cormier R., Elliott M., Rice J.,	Science of the Total Environment	648		293	305	2019	5,589	10.1016/j.scitotenv.2018.08.168	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85051465955&amp;doi=10.1016%2fj.scitotenv.2018.08.168&amp;partnerID=40&amp;md5=72c0d8c33529906166156eb52490fc7e">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85051465955&amp;doi=10.1016%2fj.scitotenv.2018.08.168&amp;partnerID=40&amp;md5=72c0d8c33529906166156eb52490fc7e</a>	Other Gold	PACES II

No.	Title	Author	Source	Volume	Issue	Page start	Page end	Year	Impact-Factor	DOI	Link	Open Access	HGF-Programme
26	Risk assessment for deep sea mining: An overview of risk	Cormier R., Londsdaie J.,	Marine Policy					2019	2,865	10.1016/j.marpol.2019.02.056	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062392839&amp;doi=10.1016%2fj.marpol.2019.02.056&amp;partnerID=40&amp;md5=c939ddc8be3e096b7af060f3c4210c3f">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062392839&amp;doi=10.1016%2fj.marpol.2019.02.056&amp;partnerID=40&amp;md5=c939ddc8be3e096b7af060f3c4210c3f</a>		PACES II
27	Long-term Surface Temperature (LoST) database as a complement for GCM preindustrial simulations	Cuesta-Valero F.J., García-García A., Beltrami H., Zorita E., Jaume-Santero F.,	Climate of the Past	15	3	1099	1111	2019	3,47	10.5194/cp-15-1099-2019	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85067673942&amp;doi=10.5194%2fcp-15-1099-2019&amp;partnerID=40&amp;md5=79b0c8daeab1887d0d9ec9dc9032fe44">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85067673942&amp;doi=10.5194%2fcp-15-1099-2019&amp;partnerID=40&amp;md5=79b0c8daeab1887d0d9ec9dc9032fe44</a>	DOAJ Gold	PACES II
28	Molecular characterization of polar organic aerosol constituents in off-road engine emissions using Fourier transform ion cyclotron resonanz mass spectrometry (FT-ICR-MS)	Cui, M., Xie, Z., et al.	Atmospheric Chemistry and Physics	19	22	13945	13956	2019	5,668	10.5194/acp-19-13945-2019			PACES II
29	Modelling black carbon absorption of solar radiation: Combining external and internal mixing assumptions	Curci G., Alyuz U., Barò R., Bianconi R., Bieser J., H. Christensen J., Colette A., Farrow A., Francis X., Jiménez-Guerrero P., Im U., Liu P., Manders A., Palacios-Peña L., Prank M., Pozzoli L., Sokhi R., Solazzo E., Tuccella P., Unal A., Vivanco M.G., Hogrefe C., Galmarini S.,	Atmospheric Chemistry and Physics	19	1	181	204	2019	5,668	10.5194/acp-19-181-2019	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85059694075&amp;doi=10.5194%2facp-19-181-2019&amp;partnerID=40&amp;md5=fa4c34196d326746db5a840f6a7149e8">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85059694075&amp;doi=10.5194%2facp-19-181-2019&amp;partnerID=40&amp;md5=fa4c34196d326746db5a840f6a7149e8</a>	DOAJ Gold	PACES II
30	Carbonaceous components and major ions in PM10 from the Amazonian Basin	Custodio D., Alves C., Jomolca Y., de Castro Vasconcellos P.,	Atmospheric Research	215		75	84	2019	4,114	10.1016/j.atmosres.2018.08.011	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85053195204&amp;doi=10.1016%2fj.atmosres.2018.08.011&amp;partnerID=40&amp;md5=a273a2276a447ff7e57764f3be0cb350">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85053195204&amp;doi=10.1016%2fj.atmosres.2018.08.011&amp;partnerID=40&amp;md5=a273a2276a447ff7e57764f3be0cb350</a>		PACES II
31	Towards end-to-end (E2E) modelling in a consistent NPZD-F modelling framework (ECOSMO E2E-v1.0): Application to the North Sea and Baltic Sea	Daewel U., Schrum C., MacDonald J.I.,	Geoscientific Model Development	12	5	1765	1789	2019	5,154	10.5194/gmd-12-1765-2019	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065288610&amp;doi=10.5194%2fgmd-12-1765-2019&amp;partnerID=40&amp;md5=0d4ff4be52e8400222b0e0587d9c3a82">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065288610&amp;doi=10.5194%2fgmd-12-1765-2019&amp;partnerID=40&amp;md5=0d4ff4be52e8400222b0e0587d9c3a82</a>	DOAJ Gold	PACES II
32	The eutrophication states of the Indonesian sea large marine ecosystem: Jakarta Bay, 2001-2013	Damar, A; Hesse, KJ; Colijn, F; Vitner, Y	DEEP-SEA RESEARCH PART II-TOPICAL STUDIES IN OCEANOGRAPHY	163		72	86	2019	2,43	10.1016/j.dsr2.2019.05.012			PACES II
33	Synergies in operational oceanography: The intrinsic need for sustained ocean observatories	Davidson, F., Stanev, EV. Et al.	Frontiers in Marine Science	6				2019	3,086	10.3389/fmars.2019.00450			PACES II
34	Situating climate change: Psychological distances as tool to understand the multifaceted dimensions of climate change meanings	de Guttery C., Süßer D., Döring M.,	Geoforum	104		92	100	2019	Scopus	10.1016/j.geoforum.2019.06.015	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85067871223&amp;doi=10.1016%2fj.geoforum.2019.06.015&amp;partnerID=40&amp;md5=40a9341324d3f214c8c5d00cbb246d82">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85067871223&amp;doi=10.1016%2fj.geoforum.2019.06.015&amp;partnerID=40&amp;md5=40a9341324d3f214c8c5d00cbb246d82</a>		PACES II
35	Model-observations synergy in the coastal ocean	De Mey-Frémaux P., Ayoub N., Barth A., Brewin R., Charria G., Campuzano F., Ciavatta S., Cirano M., Edwards C.A., Federico I., Gao S., Hermosa I.G., Sotillo M.G., Hewitt H., Hole L.R., Holt J., King R., Kourafalou V., Lu Y., Mourre B., Pascual A., Staneva J., Stanev E.V., Wang H., Zhu X.,	Frontiers in Marine Science	6	JUL	436		2019	3,086	10.3389/fmars.2019.00436	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85069766294&amp;doi=10.3389%2ffmars.2019.00436&amp;partnerID=40&amp;md5=22e40bfcbbcf4ebec9d61c3e4d3d5863">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85069766294&amp;doi=10.3389%2ffmars.2019.00436&amp;partnerID=40&amp;md5=22e40bfcbbcf4ebec9d61c3e4d3d5863</a>	DOAJ Gold	PACES II

No.	Title	Author	Source	Volume	Issue	Page start	Page end	Year	Impact-Factor	DOI	Link	Open Access	HGF-Programme
36	Characterising the relaxation distance of nearshore submarine morphology: A southern Baltic Sea case study	Deng J., Wu J., Zhang W., Dudzinska-Nowak J., Harff J.,	Geomorphology	327		365	376	2019	3,681	10.1016/j.geomorph.2018.11.018	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-8505713520&amp;doi=10.1016%2fj.geomorph.2018.11.018&amp;partnerID=40&amp;md5=20b010b6ae612697c873b4b2b6460cc6">https://www.scopus.com/inward/record.uri?eid=2-s2.0-8505713520&amp;doi=10.1016%2fj.geomorph.2018.11.018&amp;partnerID=40&amp;md5=20b010b6ae612697c873b4b2b6460cc6</a>		PACES II
37	Evaluating reanalysis-driven CORDEX regional climate models over Australia: model performance and errors	Di Virgilio G., Evans J.P., Di Luca A., Olson R., Argüeso D., Kala J., Andrys J., Hoffmann P., Katzfey J.J., Rockel B.,	Climate Dynamics					2019	4,048	10.1007/s00382-019-04672-w	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062626975&amp;doi=10.1007%2f0382-019-04672-w&amp;partnerID=40&amp;md5=fe87ba3d0c28cda090f136d725efa3b1">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062626975&amp;doi=10.1007%2f0382-019-04672-w&amp;partnerID=40&amp;md5=fe87ba3d0c28cda090f136d725efa3b1</a>		PACES II
38	Wind speed deficits downstream offshore wind parks - A new automated estimation technique based on satellite synthetic aperture radar data	Djath, B., Schulz-Stellenfleth, J.	Meteorologische Zeitschrift	28	6	499	515	2019	1,631	10.1127/metz/2019/0992			PACES II
39	West African sea level variability under a changing climate – what can we learn from the observational period?	Evadzi P.I.K., Zorita E., Hünicke B.,	Journal of Coastal Conservation					2019	1,264	10.1007/s11852-019-00704-z	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85070340345&amp;doi=10.1007%2fs11852-019-00704-z&amp;partnerID=40&amp;md5=a77c033122706745e03a607879a4064c">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85070340345&amp;doi=10.1007%2fs11852-019-00704-z&amp;partnerID=40&amp;md5=a77c033122706745e03a607879a4064c</a>		PACES II
40	Uncertainties associated with in situ high-frequency long-term observations of suspended particulate matter concentration using optical and acoustic sensors	Fettweis, M., Riethmüller, R. et al.	Progress in oceanography	178				2019	3,245	10.1016/j.pocean.2019.102162.			PACES II
41	La Jument lighthouse: a real-scale laboratory for the study of giant waves and their loading on marine structures	Filipot, J.-F., Horstmann, J., et al.	Philosophical Transactions of the Royal Society A: Mathematical, Physical and Engineering Sciences	377	2155			2019	3,093	10.1098/rsta.2019.0008			PACES II
42	Observing System Evaluation Based on Ocean Data Assimilation and Prediction Systems: On-Going Challenges and a Future Vision for Designing and Supporting Ocean Observational Networks	Fujii, Y., Remy, E., Bonaduce, A., et al.	Frontiers in Marine Science	6		UNSP 417		2019	3,086	10.3389/fmars.2019.00417			PACES II
43	Can tools contribute in MSP? A comparative review of selected tools and approaches	Gee, K., Kannes, A., et al.	Ocean and coastal management	179				2019	2,595	10.1016/j.ocecoaman.2019.104834			PACES II
44	Characterizing uncertainties in the ESA-CCI land cover map of the epoch 2010 and their impacts on MPI-ESM climate simulations	Georgievski G., Hagemann S.,	Theoretical and Applied Climatology	137	01-02	1587	1603	2019	2,72	10.1007/s00704-018-2675-2	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85055979790&amp;doi=10.1007%2f0704-018-2675-2&amp;partnerID=40&amp;md5=c657d7c9f058ed167a4b97c0ed884682">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85055979790&amp;doi=10.1007%2f0704-018-2675-2&amp;partnerID=40&amp;md5=c657d7c9f058ed167a4b97c0ed884682</a>	Other Gold	PACES II
45	Imaging Spectrometry of Inland and Coastal Waters: State of the Art, Achievements and Perspectives	Giardino C., Brando V.E., Gege P., Pinnel N., Hochberg E., Knaeps E., Reusen I., Doerffer R., Bresciani M., Braga F., Foerster S., Champollion N., Dekker A.,	Surveys in Geophysics	40	3	401	429	2019	5,226	10.1007/s10712-018-9476-0	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85048036002&amp;doi=10.1007%2fs10712-018-9476-0&amp;partnerID=40&amp;md5=29a9532b157ceca270d299bcdffbaa3aa">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85048036002&amp;doi=10.1007%2fs10712-018-9476-0&amp;partnerID=40&amp;md5=29a9532b157ceca270d299bcdffbaa3aa</a>	Other Gold	PACES II
46	SEASTAR: A mission to study submesoscaledynamics and small-scale atmospheric ocean processes in coastal, shelf and polar seas	Gomminger, C., Staneva, J., et al.	Frontiers in Marine Science	6				2019	3,086	10.3389/fmars.2019.00457			PACES II
47	Hydrography-Driven Variability of Optically Active Constituents of Water in the South Brazilian Bight: Biogeochemical Implications	Goncalves-Araujo. R. Röttgers, R., et.al.	Frontiers in Marine Science	6		716		2019	3,086	10.1016/j.envpol.2019.113161			PACES II

No.	Title	Author	Source	Volume	Issue	Page start	Page end	Year	Impact-Factor	DOI	Link	Open Access	HGF-Programme
48	Large influence of soil moisture on long-term terrestrial carbon uptake	Green J.K., Seneviratne S.I., Berg A.M., Findell K.L., Hagemann S., Lawrence D.M., Gentile P.,	Nature	565	7740	476	479	2019	43,07	10.1038/s41586-018-0848-x	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85060381925&amp;doi=10.1038%2f541586-018-0848-x&amp;partnerID=40&amp;md5=47ae4d02572502b102664054961fdc58">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85060381925&amp;doi=10.1038%2f541586-018-0848-x&amp;partnerID=40&amp;md5=47ae4d02572502b102664054961fdc58</a>		PACES II
49	Satellite Ocean colour: Current Status and Future Perspective	Groom, S., Krasemann, H., et al.	Frontiers in Marine Science	6				2019	3,086	10.3389/fmars.2019.00485			PACES II
50	Nutrient distribution and nitrogen and oxygen isotopic composition of nitrate in water masses of the subtropical southern Indian Ocean	Harms N.C., Lahajnar N., Gaye B., Rixen T., Dähnke K., Ankele M., Schwarz-Schampera U., Emeis K.-C.,	Biogeosciences	16	13	2715	2732	2019	3,951	10.5194/bg-16-2715-2019	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068866340&amp;doi=10.5194%2fbg-16-2715-2019&amp;partnerID=40&amp;md5=e6a934895f76c70770e3b8162899c548">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068866340&amp;doi=10.5194%2fbg-16-2715-2019&amp;partnerID=40&amp;md5=e6a934895f76c70770e3b8162899c548</a>	DOAJ Gold	PACES II
51	Provenance of nutrients in submarine fresh groundwater discharge on Tahiti and Moorea, French Polynesia	Haßler K., Dähnke K., Kölling M., Sichoix L., Nickl A.-L., Moosdorf N.,	Applied Geochemistry	100		181	189	2019	2,894	10.1016/j.apgeochem.2018.11.020	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85057443870&amp;doi=10.1016%2fj.apgeochem.2018.11.020&amp;partnerID=40&amp;md5=b79abf745480b3e5511124a8661b9a6">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85057443870&amp;doi=10.1016%2fj.apgeochem.2018.11.020&amp;partnerID=40&amp;md5=b79abf745480b3e5511124a8661b9a6</a>		PACES II
52	New generation EU directives, sustainability, and the role of transnational coordination in Baltic Sea maritime spatial planning	Hassler, B; Blazauskas, N; Gee, K; Luttmann, A; Morf, A; Piwowarczyk, J; Saunders, F; Stalmokaite, I; Strand, H; Zaucha, J	OCEAN & COASTAL MANAGEMENT	169		254	263	2019	2,595	10.1016/j.ocecoaman.2018.12.025		Other Gold	PACES II
53	Normal form of synchronization and resonance between vorticity waves in shear flow stability	Heifetz, E., Guha, A.	Physical Review E	100	4			2019	2,353	10.10103/PhysRevE.100.043105			PACES II
54	Ocean Colour Remote Sensing in the Laptev Sea	Heim, B. Juhls, B., Doerffer, R., et. Al	Remote Sensing of the Asians Seas, Springer			123	138	2019	Scopus	doi:10.1007/978-3-319-94067-0_6			PACES II
55	Spectral band adaptation of ocean color sensors for applicability of the multi-water biogeo-optical algorithm ONNS	Hieronimi M.,	Optics Express	27	12	A707	A724	2019	3,561	10.1364/OE.27.00A707	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85067079379&amp;doi=10.1364%2fOE.27.00A707&amp;partnerID=40&amp;md5=6f6c0b60d8b0a56fc07b9b213a751728">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85067079379&amp;doi=10.1364%2fOE.27.00A707&amp;partnerID=40&amp;md5=6f6c0b60d8b0a56fc07b9b213a751728</a>	DOAJ Gold	PACES II
56	Evaluation of continuous flow centrifugation as an alternative technique to sample microplastic from water bodies	Hildebrandt, L., Voigt, N., Zimmermann, T., Reese, A., Präfrock D.	Marine Environmental Research	151				2019	3,445	10.1016/j.marenvres.2019.104768			PACES II
57	Amplification of Australian Heatwaves via local Land-Atmospheric Coupling	Hirsch, AL., Rockel, B. Et al.	Journal of Geophysical Research-Atmospheres					2019	3,633	10.1020/2019.JDO30665			PACES II
58	Nemo-Nordic 1.0: A NEMO-based ocean model for the Baltic and North seas - Research and operational applications	Hordoir R., Axell L., Höglund A., Dieterich C., Fransner F., Gröger M., Liu Y., Pemberton P., Schimanke S., Andersson H., Ljungemyr P., Nygren P., Falahat S., Nord A., Jönsson A., Lake I., Döös K., Hieronymus M., Dietze H., Löptien U., Kuznetsov I., Westerlund A., Tuomi L., Haapala J.,	Geoscientific Model Development	12	1	363	386	2019	5,154	10.5194/gmd-12-363-2019	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85060461243&amp;doi=10.5194%2fgmd-12-363-2019&amp;partnerID=40&amp;md5=007c70b3a9af910a53022adb72f5cdc9">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85060461243&amp;doi=10.5194%2fgmd-12-363-2019&amp;partnerID=40&amp;md5=007c70b3a9af910a53022adb72f5cdc9</a>	DOAJ Gold, Green Accepted	PACES II
59	High-frequency variability of CO2 in Grand Passage, Bay of Fundy, Nova Scotia	Horwitz, RM; Hay, AE; Burt, WJ; Cheel, RA; Salisbury, J; Thomas, H	BIOGEOSCIENCES	16	2	605	616	2019	3,951	10.5194/bg-16-605-2019		DOAJ Gold	PACES II
60	Precipitation variability in the north fringe of East Asian Summer Monsoon during the past millennium and its possible driving factors	Hua T., Zorita E., Wang X., Wang N., Zhang C.,	Climate Dynamics					2019	4,048	10.1007/s00382-019-04643-1	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85061012881&amp;doi=10.1007%2f50382-019-04643-1&amp;partnerID=40&amp;md5=7dc715326021e4a0a445813b68d25a6f">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85061012881&amp;doi=10.1007%2f50382-019-04643-1&amp;partnerID=40&amp;md5=7dc715326021e4a0a445813b68d25a6f</a>		PACES II

No.	Title	Author	Source	Volume	Issue	Page start	Page end	Year	Impact-Factor	DOI	Link	Open Access	HGF-Programme
61	IEEE Access Special Section Editorial: Microwave (X-and S-Band) Marine Radars for Ocean Sensing	Huang W., Lund B., Horstmann J.,	IEEE Access	7		18899	18901	2019	4,098	10.1109/ACCESS.2019.2895442	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062215508&amp;doi=10.1109%2FACCESS.2019.2895442&amp;partnerID=40&amp;md5=d7a89f772e0e19307527b9d4f2d83c63">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062215508&amp;doi=10.1109%2FACCESS.2019.2895442&amp;partnerID=40&amp;md5=d7a89f772e0e19307527b9d4f2d83c63</a>	DOAJ Gold	PACES II
62	Boundary Layer Turbulence over Surface Waves in a Strongly Forced Condition: LES and Observation	Husain, NT; Hara, T; Buckley, MP; Yousefi, K; Veron, F; Sullivan, PP	JOURNAL OF PHYSICAL OCEANOGRAPHY	49	8	1997	2015	2019	3,389	10.1175/JPO-D-19-0070.1			PACES II
63	Emerging per- and polyfluoroalkyl substances (PFASs) in surface water and sediment of the North and Baltic Seas	Joeress H., Apel C., Ebinghaus R.,	Science of the Total Environment	686		360	369	2019	5,589	10.1016/j.scitotenv.2019.05.363	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85066833345&amp;doi=10.1016%2Fscitotenv.2019.05.363&amp;partnerID=40&amp;md5=72b6e014fc82b1f4ca45e00376aa968">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85066833345&amp;doi=10.1016%2Fscitotenv.2019.05.363&amp;partnerID=40&amp;md5=72b6e014fc82b1f4ca45e00376aa968</a>	OA	PACES II
64	Dissolved organic matter at the fluvial-marine transition in the Laptev Sea using in situ data and ocean colour remote sensing	Juhls B., Paul Overduin P., Hölemann J., Hieronymi M., Matsuoka A., Heim B., Fischer J.,	Biogeosciences	16	13	2693	2713	2019	3,951	10.5194/bg-16-2693-2019	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068858521&amp;doi=10.5194%2Fbg-16-2693-2019&amp;partnerID=40&amp;md5=8254817271bfb60971fef43a98952add">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068858521&amp;doi=10.5194%2Fbg-16-2693-2019&amp;partnerID=40&amp;md5=8254817271bfb60971fef43a98952add</a>	DOAJ Gold	PACES II
65	Impact of a nitrogen emission control area (NECA) on the future air quality and nitrogen deposition to seawater in the Baltic Sea region	Karl M., Bieser J., Geyer B., Matthias V., Jalkanen J.-P., Johansson L., Fridell E.,	Atmospheric Chemistry and Physics	19	3	1721	1752	2019	5,668	10.5194/acp-19-1721-2019	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85061312457&amp;doi=10.5194%2Facp-19-1721-2019&amp;partnerID=40&amp;md5=7cdccb5eec1fef6007f10954b9b2f50">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85061312457&amp;doi=10.5194%2Facp-19-1721-2019&amp;partnerID=40&amp;md5=7cdccb5eec1fef6007f10954b9b2f50</a>	DOAJ Gold	PACES II
66	Effects of ship emissions on air quality in the Baltic Sea region simulated with three different chemistry transport models	Karl M., Jonson J.E., Uppstu A., Auling A., Prank M., Sofiev M., Jalkanen J.-P., Johansson L., Quante M., Matthias V.,	Atmospheric Chemistry and Physics	19	10	7019	7053	2019	5,668	10.5194/acp-19-7019-2019	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85066154312&amp;doi=10.5194%2Facp-19-7019-2019&amp;partnerID=40&amp;md5=db9d558025bafec26baf22d091c0c654">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85066154312&amp;doi=10.5194%2Facp-19-7019-2019&amp;partnerID=40&amp;md5=db9d558025bafec26baf22d091c0c654</a>	DOAJ Gold	PACES II
67	New insights in sources of the sub-micrometre aerosol at Mt. Zeppelin observatory (Spitsbergen) in the year 2015	Karl M., Leck C., Mashayekhy Rad F., Bäcklund A., Lopez-Aparicio S., Heintzenberg J.,	Tellus, Series B: Chemical and Physical Meteorology	71	1	1	29	2019	2,235	10.1080/16000889.2019.1613143	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85066411715&amp;doi=10.1080%2F16000889.2019.1613143&amp;partnerID=40&amp;md5=203415b23a5c814eafc2b686f4368ce6">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85066411715&amp;doi=10.1080%2F16000889.2019.1613143&amp;partnerID=40&amp;md5=203415b23a5c814eafc2b686f4368ce6</a>	DOAJ Gold	PACES II
68	The Eulerian urban dispersion model EPISODE - Part 2: Extensions to the source dispersion and photochemistry for EPISODE-CityChem v1.2 and its application to the city of Hamburg	Karl, M; Walker, SE; Solberg, S; Ramacher, MOP	GEOSCIENTIFIC MODEL DEVELOPMENT	12	8	3357	3399	2019	5,154	10.5194/gmd-12-3357-2019		DOAJ Gold	PACES II
69	PaCTS 1.0: A Crowdsourced Reporting Standard for Paleoclimate Data	Khider, D., Bothe, O., et al.	Paleoceanography and Paleoclimatology						0	10.1029/2019/2019PA003632			PACES II
70	Winter weather control net influx of atmospheric CO2 on the north-west european shelf	Kitidis, V., Shutler, J.D., Thomas, H., et al.	Scientific Reports	9	1	20153		2019	4,011	10.1016/j.envpol.2019.113161			PACES II
71	Seasonal Prediction of Northern European Winter Air Temperatures From SST Anomalies Based on Sensitivity Estimates	Köhl A., Vlasenko A.,	Geophysical Research Letters	46	11	6109	6117	2019	4,578	10.1029/2018GL081800	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85067598976&amp;doi=10.1029%2F2018GL081800&amp;partnerID=40&amp;md5=d691df50b22a7350a5e0ecb766309300">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85067598976&amp;doi=10.1029%2F2018GL081800&amp;partnerID=40&amp;md5=d691df50b22a7350a5e0ecb766309300</a>		PACES II

No.	Title	Author	Source	Volume	Issue	Page start	Page end	Year	Impact-Factor	DOI	Link	Open Access	HGF-Programme
72	Application of sentinel-2 msi in arctic research: Evaluating the performance of atmospheric correction approaches over arctic sea ice	König M., Hieronymi M., Oppelt N.,	Frontiers in Earth Science	7				2019	2,892	10.3389/feart.2019.00022	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064226484&amp;doi=10.3389%2ffearth.2019.00022&amp;partnerID=40&amp;md5=5dd5d009d6cc9eff8d746f75a4ec9d53">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064226484&amp;doi=10.3389%2ffearth.2019.00022&amp;partnerID=40&amp;md5=5dd5d009d6cc9eff8d746f75a4ec9d53</a>	DOAJ Gold	PACES II
73	Prioritised pharmaceuticals in German estuaries and coastal waters: Occurrence and environmental risk assessment	Kötke, D. Gandrass, J., Xie, Z., Ebinghaus, R.	Environmental pollution	255-1				2019	5,714	10.1016/j.envpol.2019.113161			PACES II
74	Atlantic Inflow to the North Sea Modulated by the Subpolar Gyre in a Historical Simulation With MPI-ESM	Koul V., Schrum C., Düsterhus A., Baehr J.,	Journal of Geophysical Research: Oceans	124	3	1807	1826	2019	3,235	10.1029/2018JC014738	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063129780&amp;doi=10.1029%2f2018JC014738&amp;partnerID=40&amp;md5=18cf290e7c04ed0fa279ba275e5588d1">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063129780&amp;doi=10.1029%2f2018JC014738&amp;partnerID=40&amp;md5=18cf290e7c04ed0fa279ba275e5588d1</a>		PACES II
75	Pelagic molybdenum concentration anomalies and the impact of sediment resuspension on the molybdenum budget in two tidal systems of the North Sea	Kowalski, N., Beusekom van, JEE., et al.	Geochimica et cosmochimica acta	262	243	244		2019	4,258	10.1016/j.gca.2019.07.023			PACES II
76	Northeast Atlantic storm activity and its uncertainty from the late nineteenth to the twenty-first century	Krueger O., Feser F., Weisse R.,	Journal of Climate	32	6	1919	1931	2019	4,805	10.1175/JCLI-D-18-0505.1	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062948020&amp;doi=10.1175%2fjcli-d-18-0505.1&amp;partnerID=40&amp;md5=bc9a60bf55bca8ea962e15935812117a">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062948020&amp;doi=10.1175%2fjcli-d-18-0505.1&amp;partnerID=40&amp;md5=bc9a60bf55bca8ea962e15935812117a</a>		PACES II
77	On the role of physical processes on the surface chlorophyll variability in the Northern Mozambique channel	Langa, A.A.A., Calil, P.H.R.	Ocean Dynamics					2019	1,869	10.1007/s10236-019-01311-0			PACES II
78	From Observation to information and Users: The Copernicus Marine Service Perspective	Le Traon, P.Y., Behrens, A., et. Al.	Front. Marine Sci.	6		234		2019	3,086	doi:10.3389/fmars.2019.00234			PACES II
79	Mid-twenty-first century global wave climate projections: Results from a dynamic CMIP5 based ensemble	Lemos G., Semedo A., Dobrynin M., Behrens A., Staneva J., Bidlot J.-R., Miranda P.M.A.,	Global and Planetary Change	172		69	87	2019	4,1	10.1016/j.gloplacha.2018.09.011	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85054227922&amp;doi=10.1016%2fgloplacha.2018.09.011&amp;partnerID=40&amp;md5=b413f8e76e384f8a8f9a83e57db1a034">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85054227922&amp;doi=10.1016%2fgloplacha.2018.09.011&amp;partnerID=40&amp;md5=b413f8e76e384f8a8f9a83e57db1a034</a>		PACES II
80	The influence of dissolved organic matter on the marine production of carbonyl sulfide (OCS) and carbon disulfide (CS <sub>2</sub> ) in the Peruvian upwelling	Lennartz, S.T., Röttgers, R., et al.	Ocean Science	15		1071	1090	2019	2,539	10.5194/os-15-1071-2019			PACES II
81	Can wave coupling improve operational regional ocean forecasts for the north-west European Shelf?	Lewis H.W., Manuel Castillo Sanchez J., Siddorn J., King R.R., Tonani M., Saulter A., Sykes P., Pequignet A.-C., Weedon G.P., Palmer T., Staneva J., Brichenno L.,	Ocean Science	15	3	669	690	2019	2,539	10.5194/os-15-669-2019	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85066849332&amp;doi=10.5194%2fos-15-669-2019&amp;partnerID=40&amp;md5=b080ba628928bbadf1c8d2622896b33d">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85066849332&amp;doi=10.5194%2fos-15-669-2019&amp;partnerID=40&amp;md5=b080ba628928bbadf1c8d2622896b33d</a>	DOAJ Gold, Green Accepted	PACES II
82	Testing the validity of regional detail in global analysis of sea surface temperature - the case of chinese coastal waters	Li, Y., von Storch, H., et al.	Ocean Science	15	6	1455	1467	2019	2,539	10.5194/os-15-1455-2019			PACES II

No.	Title	Author	Source	Volume	Issue	Page start	Page end	Year	Impact-Factor	DOI	Link	Open Access	HGF-Programme
83	Multiple sediment changes controlled the depositional architecture of a paleoslope-parallel canyon in the Qiongdongnan Basin	Liang, C., Xie, X., He, Y., Chen, H., Yu, X., Zhang, W., et al.	South China Sea Marine and Petroleum Geology	104161				2019	Scopus				PACES II
84	Retrieval of phytoplankton pigments from underway spectrophotometry in the Fram Strait	Liu Y., Boss E., Chase A., Xi H., Zhang X., Röttgers R., Pan Y., Bracher A.,	Remote Sensing	11	3	318		2019	4,118	10.3390/rs11030318	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85061403251&amp;doi=10.3390%2frs11030318&amp;partnerID=40&amp;md5=a6cbf794d717dd175571e43d130d01e">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85061403251&amp;doi=10.3390%2frs11030318&amp;partnerID=40&amp;md5=a6cbf794d717dd175571e43d130d01e</a>	DOAJ Gold	PACES II
85	Implications of using chemical dispersants to combat oil spills in the German Bight – Depiction by means of a Bayesian network	Liu Z., Callies U.,	Environmental Pollution		609	620	j.envpol.2019.03.004	2019	5,714		<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062262684&amp;doi=10.1016%2fj.envpol.2019.02.063&amp;partnerID=40&amp;md5=b109991d7b61e6a4747bb07334754f0">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062262684&amp;doi=10.1016%2fj.envpol.2019.02.063&amp;partnerID=40&amp;md5=b109991d7b61e6a4747bb07334754f0</a>	Other Gold	PACES II
86	A Bayesian network based method for reliability analysis of subsea blowout preventer control system	Liu Z., Liu Y.,	Journal of Loss Prevention in the Process Industries	59		44	53	2019	2,069	10.1016/j.jlp.2019.03.004	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062900596&amp;doi=10.1016%2fj.jlp.2019.03.004&amp;partnerID=40&amp;md5=0d97be2e81dc8c28322aaa562a4a8f1b">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062900596&amp;doi=10.1016%2fj.jlp.2019.03.004&amp;partnerID=40&amp;md5=0d97be2e81dc8c28322aaa562a4a8f1b</a>		PACES II
87	European warm-season temperature and hydroclimate since 850 CE	Ljungqvist, FC; Seim, A; Krusic, PJ; Gonzalez-Rouco, JF; Werner, JP; Cook, ER; Zorita, E; Luterbacher, J; Xoplaki, E; Destouni, G; Garcia-Bustainante, E; Aguilar, CAM; Seftigen, K; Wang, JL; Gagen, MH; Esper, J; Solomina, O; Fleitmann, D; Buntgen, U	ENVIRONMENTAL RESEARCH LETTERS	14	8			2019	6,192	10.1088/1748-9326/ab2c7e		DOAJ Gold	PACES II
88	Globally Consistent Quantitative Observations of Planktonic Ecosystems	Lombard, F; Boss, E; Waite, AM; Vogt, M; Uitz, J; Stemmann, L; Sosik, HM; Schulz, J; Romagnan, JB; Picheral, M; Pearlman, J; Ohman, MD; Niehoff, B; Moller, KM; Miloslavich, P; Lara-Lpez, A; Kudela, R; Lopes, RM; Kiko, R; Karp-Boss, L; Jaffe, JS; Iversen, MH; Frisson, JO; Fennel, K; Hauss, H; Guidi, L; Gorsky, G; Giering, SLC; Gaube, P; Gallager, S; Dubelaar, G; Cowen, RK; Carlotti, F; Brisen-Avena, C; Berline, L; Benoit-Bird, K; Bax, N; Batten, S; Ayata, SD; Artigas, LF; Appeltans, W	FRONTIERS IN MARINE SCIENCE	6				2019	3,086	10.3119/fmars.2019.00196		DOAJ Gold	PACES II
89	Spatial distribution of microplastic in sediments and surface waters of the southern North Sea	Lorenz, C., Hildebrandt, L., et al.	Environmental Pollution	252	1719	1729		2019	5,714	10.1016/j.envpol.2019.06.093			PACES II
90	Perspectives of regional paleoclimate modeling	Ludwig P., Gómez-Navarro J.J., Pinto J.G., Raible C.C., Wagner S., Zorita E.,	Annals of the New York Academy of Sciences	1436	1	54	69	2019	4,295	10.1111/nyas.13865	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85051786513&amp;doi=10.1111%2fnyas.13865&amp;partnerID=40&amp;md5=5c82a0f1c5e35a262c259070de494f16">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85051786513&amp;doi=10.1111%2fnyas.13865&amp;partnerID=40&amp;md5=5c82a0f1c5e35a262c259070de494f16</a>	OA	PACES II
91	Perspectives of regional paleoclimate modeling	Ludwig, P; Gomez-Navarro, JJ; Pinto, JG; Raible, CC; Wagner, S; Zorita, E	ANNALS OF THE NEW YORK ACADEMY OF SCIENCES	1436	1	54	69	2019	4,295	10.1111/nyas.13865		Green Accepted, Other Gold	PACES II
92	Temporal variability in the nutrient biogeochemistry of the surface North Atlantik	Macovei, V.A., Torres-Valdes, S., Hartman, S.E., et al.	Hydrological Sciences Journal					2019	2,18	10.1029/2018GB006132			PACES II

No.	Title	Author	Source	Volume	Issue	Page start	Page end	Year	Impact-Factor	DOI	Link	Open Access	HGF-Programme
93	Developments in the MPI-M Earth System Model version 1.2 (MPI-ESM1.2) and Its Response to Increasing CO2	Mauritsen T., Bader J., Becker T., Behrens J., Bittner M., Brokopf R., Brovkin V., Claussen M., Crueger T., Esch M., Fast I., Fiedler S., Fläschner D., Gayler V., Giorgetta M., Goll D.S., Haak H., Hagemann S., Hedemann C., Hohenegger C., Ilyina T., Jahns T., Jimenez-de-la-Cuesta D., Jungclaus J., Kleinen T., Kloster S., Kracher D., Kinne S., Kleberg D., Lasslop G., Kornblueh L., Marotzke J., Matei D., Meraner K., Mikolajewicz U., Modali K., Möbis B., Müller W.A., Nabel J.E.M.S., Nam C.C.W., Notz D., Nyawira S.-S., Paulsen H., Peters K., Pincus R., Pohlmann H., Pongratz J., Popp M., Raddatz T.J., Rast S., Redler R., Reick C.H., Rohrschneider T., Schemann V., Schmidt H., Schnur R., Schulzweida U., Six K.D., Stein L., Stemmler I., Stevens B., von Storch J.-S., Tian F., Voigt A., Vrese P., Wieners K.-H., Wilkenskeld S., Winkler A., Roeckner E.,	Journal of Advances in Modeling Earth Systems	11	4	998	1038	2019	3,457	10.1029/2018MS001400	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063279267&amp;doi=10.1029%2f2018MS001400&amp;partnerID=40&amp;md5=a9f80a712c946c5af2c6e35fa3935835">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063279267&amp;doi=10.1029%2f2018MS001400&amp;partnerID=40&amp;md5=a9f80a712c946c5af2c6e35fa3935835</a>	DOAJ Gold, Green Published	PACES II
94	Assessment of uncertainties in scenario simulations of biogeochemical cycles in the Baltic Sea	Meier H.E.M., Edman M., Eilola K., Placke M., Neumann T., Andersson H.C., Brunnabend S.-E., Dieterich C., Frauen C., Friedland R., Gröger M., Gustafsson B.G., Gustafsson E., Isaev A., Kniesbusch M., Kuznetsov I., Müller-Karulis B., Naumann M., Omstedt A., Ryabchenko V., Saraiva S., Savchuk O.P.,	Frontiers in Marine Science	6	MAR	46		2019	3,086	10.3389/fmars.2019.00046	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065445363&amp;doi=10.3389%2ffmars.2019.00046&amp;partnerID=40&amp;md5=9941b5eb36d240d2128562b41209586c">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065445363&amp;doi=10.3389%2ffmars.2019.00046&amp;partnerID=40&amp;md5=9941b5eb36d240d2128562b41209586c</a>	DOAJ Gold, Green Published	PACES II
95	Foraminifera trace anthropogenic CO2 in the NW Atlantic by 1959	Mellon, S., Kienast, M., Thomas, H., et al.	Geophysical research Letters					2019	4,578	10.1029/2019GL084965			PACES II
96	A dynamic flight model for Slocum gliders and implications for turbulence microstructure measurements	Merckelbach L., Berger A., Krahnemann G., Dengler M., Carpenter J.R.,	Journal of Atmospheric and Oceanic Technology	36	2	281	296	2019	2,224	10.1175/JTECH-D-18-0168.1	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062542047&amp;doi=10.1175%2fJTECH-D-18-0168.1&amp;partnerID=40&amp;md5=08e68a0204249066dda8cd00f58c28f0">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062542047&amp;doi=10.1175%2fJTECH-D-18-0168.1&amp;partnerID=40&amp;md5=08e68a0204249066dda8cd00f58c28f0</a>	Green Accepted	PACES II
97	Model-Observations Synergy in the Coastal Ocean	Mey-Fremaux, P., Staneva, J., Stanev, E.V., et al.	Front. Mar. Sci.					2019	3,086	10.3389/fmars.2019.00436			PACES II
98	Occurrence and spatial distribution of phthalate esters in sediments of the Bohai and Yellow seas	Mi L., Xie Z., Zhao Z., Zhong M., Mi W., Ebinghaus R., Tang J.,	Science of the Total Environment	653		792	800	2019	5,589	10.1016/j.scitotenv.2018.10.438	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85056197596&amp;doi=10.1016%2fj.scitotenv.2018.10.438&amp;partnerID=40&amp;md5=4f518e0bc0373e9aff24e323ead24f06">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85056197596&amp;doi=10.1016%2fj.scitotenv.2018.10.438&amp;partnerID=40&amp;md5=4f518e0bc0373e9aff24e323ead24f06</a>		PACES II
99	EURODELTA III exercise: An evaluation of air quality models' capacity to reproduce the carbonaceous aerosol	Mircea M., Bessagnet B., D'Isidoro M., Pirovano G., Aksoyoglu S., Ciarelli G., Tsyro S., Manders A., Bieser J., Stern R., Vivanco M.G., Cuvelier C., Aas W., Prévôt A.S.H., Aulinger A., Briganti G., Calori G., Cappelletti A., Colette A., Couvidat F., Fagerli H., Finardi S., Kranenburg R., Rouil L., Silibello C., Spindler G., Poulain L., Herrmann H., Jimenez J.L., Day D.A., Tiitta P., Carbone S.,	Atmospheric Environment: X	2				2019	4,012	10.1016/j.aeaoa.2019.100018	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85061674172&amp;doi=10.1016%2fj.aeaoa.2019.100018&amp;partnerID=40&amp;md5=87c87028cf6e5d7389c638cf64f97d7">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85061674172&amp;doi=10.1016%2fj.aeaoa.2019.100018&amp;partnerID=40&amp;md5=87c87028cf6e5d7389c638cf64f97d7</a>	OA	PACES II

No.	Title	Author	Source	Volume	Issue	Page start	Page end	Year	Impact-Factor	DOI	Link	Open Access	HGF-Programme
100	Towards sustainability of marine governance: Challenges and enablers for stakeholder integration in transboundary marine spatial planning in the Baltic Sea	Morf A., Moodie J., Gee K., Giacometti A., Kull M., Piwowarczyk J., Schiele K., Zaucha J., Kellecioglu I., Luttmann A., Strand H.,	Ocean and Coastal Management	177		200	212	2019	2,595	10.1016/j.ocecoaman.2019.04.009	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068001168&amp;doi=10.1016%2fj.ocecoaman.2019.04.009&amp;partnerID=40&amp;md5=d6a68749bc673f5bfbf458fafe7a4fed">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068001168&amp;doi=10.1016%2fj.ocecoaman.2019.04.009&amp;partnerID=40&amp;md5=d6a68749bc673f5bfbf458fafe7a4fed</a>	Other Gold	PACES II
101	Robustness and uncertainties in global multivariate wind-wave projections	Morim J., Behrens, A., Staneva, J., et al.	Nature Climate Change	9	9	711+		2019	21,722	10.1038/s41558-019-0542-5			PACES II
102	Evolution of a salt marsh in the southeastern North Sea region – Anthropogenic and natural forcing	Müller-Navarra K., Milker Y., Bunzel D., Lindhorst S., Friedrich J., Arz H., Schmiedl G.,	Estuarine, Coastal and Shelf Science	218		268	277	2019	2,611	10.1016/j.ecss.2018.12.022	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85059592976&amp;doi=10.1016%2fj.ecss.2018.12.022&amp;partnerID=40&amp;md5=f9302907950a9e01ae27be5fbd18efd0">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85059592976&amp;doi=10.1016%2fj.ecss.2018.12.022&amp;partnerID=40&amp;md5=f9302907950a9e01ae27be5fbd18efd0</a>		PACES II
103	On the steadiness and instability of the intermediate western boundary current between 24 s and 18 s	Napolitano, D. C., Calil, P.H., et al.	JOURNAL OF PHYSICAL OCEANOGRAPHY	49	10			2019	3,389	10.1175/JPO-D-19-0011-1			PACES II
104	Improving optical measurements: Non-linearity compensation of compact charge-coupled device (CCD) spectrometers	Nehir M., Frank C., Aßmann S., Achterberg E.P.,	Sensors (Switzerland)	19	12	2833		2019	3,031	10.3390/s19122833	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068927253&amp;doi=10.3390%2fs19122833&amp;partnerID=40&amp;md5=3b1a3da9e0ccd8344e109586f26f67a0">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068927253&amp;doi=10.3390%2fs19122833&amp;partnerID=40&amp;md5=3b1a3da9e0ccd8344e109586f26f67a0</a>	DOAJ Gold, Green Accepted	PACES II
105	Ballasted floes capture pelagic primary production and alter the local sediment characteristics in the coastal German Bight (North Sea)	Neumann, A., et al.	GEOSCIENCES	9				2019	1,49	10.3390/geosciences9080344			PACES II
106	Radar observation of ocean surface features resulting from underwater topography changes	Nyman, L., Lund, B., Horstmann, J., et al.	Oceanography	32	4	174	183	2019	3,913	10.5670/oceanog.2019.423			PACES II
107	Trends of ocean acidification and pCO <sub>2</sub> (2) in the Northern North Sea 2003-2015	Omar, A.M., Thomas, H., et al.	Journal of Geophysical Research- Biogeosciences	124	10	3088	3103	2019	3,621	10.1029/2018G004992			PACES II
108	Black sea observing system	Palazov A., Ciliberti S., Peneva E., Gregoire M., Staneva J., Lemieux-Dudon B., Masina S., Pinardi N., Vandenbulcke L., Behrens A., Lima L., Coppini G., Marinova V., Slabakova V., Lecci R., Creti S., Palermo F., Stefanizzi L., Valcheva N., Agostini P.,	Frontiers in Marine Science	6	JUN	315		2019	3,086	10.3389/fmars.2019.00315	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068608854&amp;doi=10.3389%2ffmars.2019.00315&amp;partnerID=40&amp;md5=76df2546e59f03acd32af7b15f86ba9b">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068608854&amp;doi=10.3389%2ffmars.2019.00315&amp;partnerID=40&amp;md5=76df2546e59f03acd32af7b15f86ba9b</a>	DOAJ Gold	PACES II
109	Satellite-driven estimates of water mass formation and their spatio-temporal evolution	Piracha, A., Klockmann, M. et al.	Frontiers in marine science	6				2019	3,086	10.3389/fmars.2019.00589			PACES II
110	Insights into integration challenges in the Baltic Sea Region marine spatial planning: Implications for the HELCOM-VASAB principles	Piwowarczyk, J; Gee, K; Gilek, M; Hassler, B; Luttmann, A; Maack, I; Matczake, M; Morf, A; Saunders, F; Stalmokaite, I; Zaucha, J	OCEAN & COASTAL MANAGEMENT	175		98	109	2019	2,595	10.1016/j.ocecoaman.2019.03.023			PACES II

No.	Title	Author	Source	Volume	Issue	Page start	Page end	Year	Impact-Factor	DOI	Link	Open Access	HGF-Programme
111	Towards comprehensive observing and modeling systems for monitoring and predicting regional to coastal sea level	Ponte R.M., Carson M., Cirano M., Domingues C.M., Jevrejeva S., Marcos M., Mitchum G., van de Wal R.S.W., Woodworth P.L., Ablain M., Arduin F., Ballu V., Becker M., Benveniste J., Birol F., Bradshaw E., Cazenave A., De Mey-Frémaux P., Durand F., Ezer T., Fu L.-L., Fukumori I., Gordon K., Gravelle M., Griffies S.M., Han W., Hibbert A., Hughes C.W., Idier D., Kourafalou V.H., Little C.M., Matthews A., Melet A., Merrifield M., Meyssignac B., Minobe S., Penduff T., Picot N., Piecuch C., Ray R.D., Rickards L., Santamaría-Gómez A., Stammer D., Staneva J., Testut L., Thompson K., Thompson P., Vignudelli S., Williams J., P. Williams S.D., Wöppelmann G., Zanna L., Zhang X.,	Frontiers in Marine Science	6	JUL	437		2019	3,086	10.3389/fmars.2019.00437	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85069764951&amp;doi=10.3389%2ffmars.2019.00437&amp;partnerID=40&amp;md5=b118f5ea26c0269000f78fb6c47fc0fa">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85069764951&amp;doi=10.3389%2ffmars.2019.00437&amp;partnerID=40&amp;md5=b118f5ea26c0269000f78fb6c47fc0fa</a>	DOAJ Gold	PACES II
112	A regional atmospheric-ocean system model over Europe including three marginal seas on its stability	Primo, C., Kelemen, F.D., Akthar, N., et al.	Geoscientific Model Development	12	12	5077	5095	2019	Scopus	10.5194/gmd-12-5077-2019			PACES II
113	Explosive instability due to flow over a rippled bottom	Raj, R., Guha, A.	Nonlinear processes in geophysics	26	3	283	290	2019	1,699	10.5194/npg-26-283-2019			PACES II
114	Urban population exposure to NOx emissions from local shipping in three Baltic Sea harbour cities - a generic approach	Ramacher, O., M., Karl M., Bieser J., Jalkanen J.-P., Johansson L.,	Atmospheric Chemistry and Physics	19	14	9153	9179	2019	5,668	10.5194/acp-19-9153-2019	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85069206098&amp;doi=10.5194%2facp-19-9153-2019&amp;partnerID=40&amp;md5=2174c98a8a5256caf451f2b5b30612a0">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85069206098&amp;doi=10.5194%2facp-19-9153-2019&amp;partnerID=40&amp;md5=2174c98a8a5256caf451f2b5b30612a0</a>	OA Gold	PACES II
115	Shipborne nutrient dynamics and impact on the eutrophication in the Baltic Sea	Raudsepp U., Maljutenko I., Köuts M., Granhag L., Wilewska-Bien M., Hassellöv I.-M., Eriksson K.M., Johansson L., Jalkanen J.-P., Karl M., Matthias V., Moldanova J.,	Science of the Total Environment	671		189	207	2019	5,589	10.1016/j.scitotenv.2019.03.264	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063478083&amp;doi=10.1016%2fj.scitotenv.2019.03.264&amp;partnerID=40&amp;md5=cbb3c8c54035d345d8dcec32f4b06576">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063478083&amp;doi=10.1016%2fj.scitotenv.2019.03.264&amp;partnerID=40&amp;md5=cbb3c8c54035d345d8dcec32f4b06576</a>	Green Published, Other Gold	PACES II
116	Extreme spatial variation of Sr, Nd and Pb isotopic signatures and 48 element mass fractions in surface sediment of the Elbe River Estuary - Suitable tracers for processes in dynamic environments?	Reese A., Zimmermann T., Pröfrock D., Irrgeher J.,	Science of the Total Environment	668		512	523	2019	5,589	10.1016/j.scitotenv.2019.02.401	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062463430&amp;doi=10.1016%2fj.scitotenv.2019.02.401&amp;partnerID=40&amp;md5=6c977a3c7b2be8e5653b0c1e7d11f67e">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062463430&amp;doi=10.1016%2fj.scitotenv.2019.02.401&amp;partnerID=40&amp;md5=6c977a3c7b2be8e5653b0c1e7d11f67e</a>		PACES II
117	A combined chemical imaging approach using (MC) LA-ICP-MS and NIR-HSI to evaluate the diagenetic status of bone material for Sr isotope analysis	Retzmann A., Blanz M., Zitek A., Irrgeher J., Feldmann J., Teschler-Nicola M., Prohaska T.,	Analytical and Bioanalytical Chemistry	411	3	565	580	2019	3,268	10.1007/s00216-018-1489-5	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85058029213&amp;doi=10.1007%2fs00216-018-1489-5&amp;partnerID=40&amp;md5=6d150372f4f02f15a36709018d15acc5">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85058029213&amp;doi=10.1007%2fs00216-018-1489-5&amp;partnerID=40&amp;md5=6d150372f4f02f15a36709018d15acc5</a>		PACES II
118	The ballast effect of lithogenic matter and its influences on the carbon fluxes in the Indian Ocean	Rixen, T., Emeis, K.-C., et al.	Biogeosciences	16		485	503	2019	3,951	10.5194/bg-16-485-2019			PACES II
119	The monsoon, carbon fluxes, and the organic carbon pump in the northern Indian Ocean	Rixen, T.; Gaye, B.; Emeis, K.C.	PROGRESS IN OCEANOGRAPHY	175		24	39	2019	3,245	10.1016/j.pocean.2019.03.001		Other Gold	PACES II

No.	Title	Author	Source	Volume	Issue	Page start	Page end	Year	Impact-Factor	DOI	Link	Open Access	HGF-Programme	
120	On the Future of Argo: A Global, Full-Depth, Multi-Disciplinary Array	Roemmich, D; Alford, MH; Claustre, H; Johnson, K; King, B; Moum, J; Oke, P; Owens, WB; Pouliquen, S; Purkey, S; Scanderbeg, M; Suga, T; Wijffels, S; Zilberman, N; Bakker, D; Baringer, M; Belbeoch, M; Bittig, HC; Boss, E; Calil, P; Carse, F; Carval, T; Chai, F; Conchubhair, DO; d'Ortenzio, F; Dall'Olmo, G; Desbruyeres, D; Fennel, K; Fer, I; Ferrari, R; Forget, G; Freeland, H; Fujiki, T; Gehlen, M; Greenan, B; Hallberg, R; Hibiya, T; Hosoda, S; Jayne, S; Jochum, M; Johnson, GC; Kang, K; Kolodziejczyk, N; Kortzinger, A; Le Traon, PY; Lenn, YD; Maze, G; Mork, KA; Morris, T; Nagai, T; Nash, J; Garabato, AN; Olsen, A; Pattabhi, RR; Prakash, S; Riser, S; Schmechtig, C; Schmid, C; Shroyer, E; Sterl, A; Sutton, P; Talley, L; Tanhua, T; Thierry, V; Thomalla, S; Toole, J; Troisi, A; Trull, TW; Turton, J; Velez-Belchi, PJ; Walczowski, W; Wang, HL; Wanninkhof, R; Waterhouse, AF; Waterman, S; Watson, A; Wilson, C; Wong, APS; Xu, JP; Yasuda, I	FRONTIERS IN MARINE SCIENCE	6					2019	3,086	10.3389/fmars.2019.00439		DOAJ Gold	PACES II
121	A review of protocols for Fiducial Reference Measurements of water-leaving radiance for the validation of satellite remote sensing data over water	Ruddick K.G., Voss K., Hieronymi, M. et al	Remote Sensing	11	19			2019	Scopus	10.3390/rs11192198			PACES II	
122	A review of protocols for Fiducial Reference Measurements of downwelling irradiance for the validation of satellite remote sensing data over water	Ruddick K.G., Voss K., Banks A.C., Boss E., Castagna A., Frouin R., Hieronymi M., Jamet C., Johnson B.C., Kuusk J., Lee Z., Ondrusek M., Vabson V., Vendt R.,	Remote Sensing	11	15	1742		2019	4,118	10.3390/rs11151742	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85070480304&amp;doi=10.3390%2frs11151742&amp;partnerID=40&amp;md5=24c1bf93aa1a92baa7adfe2beff29d11">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85070480304&amp;doi=10.3390%2frs11151742&amp;partnerID=40&amp;md5=24c1bf93aa1a92baa7adfe2beff29d11</a>	OA	PACES II	
123	Risk of oil contamination of fish eggs and larvae under different oceanic and weather conditions	Samuelsen, A., Daewel, U., Wettre, C.	ICES Journal of Marine Science					2019	3,367	10.1093/icejms/fsz035			Paces II	
124	Cold adapted nitrosospira sp.: A potential crucial contributor of ammonia oxidation in cryosols of permafrost-affected landscapes in northeast sibiria	Sanders, T., Spieck, E., Fiencke, C., et al.	Microorganisms	7	12			2019	4,167	10.3390/microorganisms7120699			PACES II	
125	Natural formation of chloro- and bromoacetone in salt lakes of western australia	Sattler, T., Sörgeö, M., Wottmer, J., Kopetzky, R., et al.	Atmosphere	10	11			2019	2,046	10.3390/atmos10110663			PACES II	
126	Long-Term Atmospheric Changes in a Convection-Permitting Regional Climate Model Hindcast Simulation over Northern Germany and the German Bight	Schaaf, B; Feser, F; Meinke, I	ATMOSPHERE	10	5			2019	2,046	10.3390/atmos10050283		DOAJ Gold	PACES II	
127	On the separation between inorganic and organic fractions of suspended matter in a marine coastal environment	Schartau, M; Riethmuller, R; Floser, G; van Beusekom, JEE; Krasemann, H; Hofmeister, R; Wirtz, K	PROGRESS IN OCEANOGRAPHY	171		231	250	2019	3,245	10.1016/j.pocean.2018.12.011			PACES II	
128	Submesoscale Impacts on Mesoscale Agulhas Dynamics	Schubert, R., F.U. Schwarzkopf, B. Baschek, A. Biastoch	Journal of Advances in Modeling Earth Systems					2019	Scopus	10.1029/2019MS001724		OA	PACES II	
129	A multi-collocation method for coastal zone observations with applications to Sentinel-3A altimeter wave height data	Schulz-Stellenfleth J., Staneva J.,	Ocean Science	15	2	249	268	2019	2,539	10.5194/os-15-249-2019	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063007503&amp;doi=10.5194%2fos-15-249-2019&amp;partnerID=40&amp;md5=8aec0a1a3758cf53a545e137b3898dc">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063007503&amp;doi=10.5194%2fos-15-249-2019&amp;partnerID=40&amp;md5=8aec0a1a3758cf53a545e137b3898dc</a>	DOAJ Gold	PACES II	

No.	Title	Author	Source	Volume	Issue	Page start	Page end	Year	Impact-Factor	DOI	Link	Open Access	HGF-Programme
130	The variability of winds and fluxes observed near submesoscale fronts	Shao, M.M., Ortiz-Suslow, D.G., Horstmann, J., et al.	Journal of geophysical research-oceanas					2019	3,235	10.1029/2019JC015236			PACES II
131	The influence of dissolved organic matter on the marine production of carbonyl sulfide (OCS) and carbon disulfide (CS <sub>2</sub> ) in the Peruvian upwelling	Sinikka T. Lennartz, Marc von Hobe, Dennis Booge, Henry C. Bittig, Tim Fischer, Rafael Gonçalves-Araujo, Kerstin B. Ksionzek, Boris P. Koch, Astrid Bracher, Rüdiger Röttgers, Birgit Quack, and Christa A. Marandino	Ocean Sci.	15	4	1071	1090	2019	Scopus	10.5194/os-15-1071-2019		OA	PACES II
132	The large-scale impact off offshore wind farm structures on pelagic primary productivity in the southern north sea	Slavik, K., Lemmen, C., Zhang, W., Kerimoglu, O., klingbeil, K., Wirtz, K.W.	Hydrobiologia	845	1	35	53	2019	2,325	10.1007/s10750-018-3653-5			PACES II
133	Extreme westward surface drift in the North Sea: Public reports of stranded drifters and Lagrangian tracking	Stanev E.V., Badewien T.H., Freund H., Grayek S., Hahner F., Meyerjürgens J., Ricker M., Schöneich-Argent R.I., Wolff J.-O., Zielinski O.,	Continental Shelf Research	177		24	32	2019	2,134	10.1016/j.csr.2019.03.003	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063212694&amp;doi=10.1016%2fj.csr.2019.03.003&amp;partnerID=40&amp;md5=cf23549fe540196754997dd4eed65917">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063212694&amp;doi=10.1016%2fj.csr.2019.03.003&amp;partnerID=40&amp;md5=cf23549fe540196754997dd4eed65917</a>	Other Gold	PACES II
134	Climate Change and Regional Ocean Water Mass Disappearance: Case of the Black Sea	Stanev E.V., Peneva E., Chtirkova B.,	Journal of Geophysical Research: Oceans					2019	3,235	10.1029/2019JC015076	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068800117&amp;doi=10.1029%2f2019JC015076&amp;partnerID=40&amp;md5=9b6008f0d109d509a50fcb726b9f200d">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068800117&amp;doi=10.1029%2f2019JC015076&amp;partnerID=40&amp;md5=9b6008f0d109d509a50fcb726b9f200d</a>		PACES II
135	German Bight estuaries: An inter-cmparison on the basis of numerical modeling	Stanev, E.V., Jacob, B., Pein, J.	Continental Shelf Research	174		48	65	2019	2,134	10.1016/j.csr.2019.01.001			PACES II
136	The fate of marine litter in semi-enclosed seas: a case study of the black sea	Stanev, EV., Ricker, M.	Frontiers in Marine Science	6				2019	3,086	10.3389/fmars.2019.00660			PACES II
137	Synergy between CMEMS products and newly av	Staneva, J., Behrens. A., Gayer, G., Aouf, L.	Journal of Operational Oceanography	3					1,717	doi:10.1080/1755876X.2019.1633075			PACES II
138	Partial Recovery of Macro-Epibenthic Assemblages on the North-West Shelf of the Black Sea	Stevens,T., Mee, L., Friedrich, J., et al.	Frontiers in Marine Science	6		UNSP 474		2019	3,086	10.3389/fmars.2019.00474			PACES II
139	Optical Underwater Communication: The Potential of Using Converted Green LEDs in Coastal Waters	Sticklus J., Hoeher P.A., Rottgers R.,	IEEE Journal of Oceanic Engineering	44	2	535	547	2019	2,567	10.1109/JOE.2018.2816838	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85046378053&amp;doi=10.1109%2fJOE.2018.2816838&amp;partnerID=40&amp;md5=104d4e78f45585ce8b4c19f49634e702">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85046378053&amp;doi=10.1109%2fJOE.2018.2816838&amp;partnerID=40&amp;md5=104d4e78f45585ce8b4c19f49634e702</a>	Bronze	PACES II
140	A sampling technique to compare climate simulations with sparse satellite observations: Performance evaluation of a CMIP5 EC-Earth forced dynamical wave climate ensemble with altimeter observations	Stopa J.E., Semedo A., Staneva J., Dobrynin M., Behrens A., Lemos G.,	Ocean Modelling	134		18	29	2019	3,095	10.1016/j.ocemod.2018.12.002	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85058648278&amp;doi=10.1016%2fj.ocemod.2018.12.002&amp;partnerID=40&amp;md5=e3a462e45a0faeca1de780515511b4ac">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85058648278&amp;doi=10.1016%2fj.ocemod.2018.12.002&amp;partnerID=40&amp;md5=e3a462e45a0faeca1de780515511b4ac</a>		PACES II
141	Steric sea level changes from ocean reanalysis at global and regional scales	Storto, A., Bonaduce, A., et al.	Water (Switzerland)	11	10			2019	2,524	10.3390/w11101987			PACES II
142	Inherent optical properties and particle characteristics of the sea-surface microlayer	Stramski D., Reynolds R.A., Gernez P., Röttgers R., Wurl O.,	Progress in Oceanography	176				2019	3,245	10.1016/j.pocean.2019.05.009	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85067057417&amp;doi=10.1016%2fj.pocean.2019.05.009&amp;partnerID=40&amp;md5=24dc0c851b39873cba442628f863e7d9">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85067057417&amp;doi=10.1016%2fj.pocean.2019.05.009&amp;partnerID=40&amp;md5=24dc0c851b39873cba442628f863e7d9</a>		PACES II
143	On the physical mechanisms of the two-way coupling between a surface wave field and a circulation consisting of a roll and streak	Suzuki, N.	Journal of fluid mechanics	881		906	950	2019	3,137	10.1017/jfm.2019.752			PACES II

No.	Title	Author	Source	Volume	Issue	Page start	Page end	Year	Impact-Factor	DOI	Link	Open Access	HGF-Programme
144	A trait-based framework for explaining non-additive effects of multiple stressors on plankton communities	Taherzadeh N., Bengfort M., Wirtz K.W.,	Frontiers in Marine Science	6	JUN	351		2019	3,086	10.3389/fmars.2019.00351	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-8506858566&amp;doi=10.3389%2ffmars.2019.00351&amp;partnerID=40&amp;md5=55e49ce3a1fdc26e634481fd3838e6b7">https://www.scopus.com/inward/record.uri?eid=2-s2.0-8506858566&amp;doi=10.3389%2ffmars.2019.00351&amp;partnerID=40&amp;md5=55e49ce3a1fdc26e634481fd3838e6b7</a>	DOAJ Gold	PACES II
145	Atmospherically forced regional ocean simulations of the south china sea: Scale-dependency of the signal-to-noise ratio	Tang S., von Storch H., Chen X.	JOURNAL OF PHYSICAL OCEANOGRAPHY	49	10			2019	3,389	10.1175/JPO-D-19-0144.1			PACES II
146	"Noise" in climatologically driven ocean models with different grid resolution	Tang S., von Storch H., Chen X., Zhang M.,	Oceanologia	61	3	300	307	2019	1,988	10.1016/j.oceano.2019.01.001	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85061151433&amp;doi=10.1016%2fj.oceano.2019.01.001&amp;partnerID=40&amp;md5=abc19c5271a364a7d655a1df4d186ef8">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85061151433&amp;doi=10.1016%2fj.oceano.2019.01.001&amp;partnerID=40&amp;md5=abc19c5271a364a7d655a1df4d186ef8</a>	OA	PACES II
147	Analysis of n( 87 Sr)/n( 86 Sr), δ 88 Sr/ 86 Sr SRM987 and elemental pattern to characterise groundwater and recharge of saline ponds in a clastic aquifer in East Austria	Tchaikovskiy A., Häusler H., Kralik M., Zitek A., Irrgeher J., Prohaska T.,	Isotopes in Environmental and Health Studies	55	2	179	198	2019	1,367	10.1080/10256016.2019.1577832	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063389350&amp;doi=10.1080%2f10256016.2019.1577832&amp;partnerID=40&amp;md5=63d860c3b8fcb59574a07997af0e857">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063389350&amp;doi=10.1080%2f10256016.2019.1577832&amp;partnerID=40&amp;md5=63d860c3b8fcb59574a07997af0e857</a>		PACES II
148	Chemometric tools for determining site-specific elemental and strontium isotopic fingerprints in raw and salted sturgeon caviar	Tchaikovskiy A., Zitek A., Irrgeher J., Prohaska T., et al.	European Food Research and Technology	245	11	2515	2528	2019	2,056	10.1007/s00217-019-03363-4			PACES II
149	Analysis of the position and strength of westerlies and trades with implications for Agulhas leakage and south benguela upwelling	Tim, N., Zorita, E., Emeis, K.C., Schwarzkopf, F.U., Francisca, U., Biastoch, A., Hünicke, B.	Earth System Dynamics	10	4	847	858	2019	4,351	10.5194/esd-10-847-2019			PACES II
150	Global Perspectives on Observing Ocean Boundary Current Systems	Todd, RE; Chavez, FP; Clayton, S; Cravatte, S; Goes, M; Greco, M; Ling, XP; Sprintall, J; Zilberman, NV; Archer, M; Aristegui, J; Balmaseda, M; Bane, JM; Baringer, MO; Barth, JA; Beal, LM; Brandt, P; Calil, PHR; Campos, E; Centurioni, LR; Chidichimo, MP; Cirano, M; Cronin, MF; Curchitser, EN; Davis, RE; Dengler, M; deYoung, B; Dong, SF; Escribano, R; Fassbender, AJ; Fawcett, SE; Feng, M; Goni, GJ; Gray, AR; Gutierrez, D; Hebert, D; Hummels, R; Ito, S; Krug, M; Lacan, F; Laurindo, L; Lazar, A; Lee, CM; Lengaigne, M; Levine, NM; Middleton, J; Montes, I; Muglia, M; Nagai, T; Palevsky, HI; Palter, JB; Phillips, HE; Piola, A; Plueddemann, AJ; Qiu, B; Rodrigues, RR; Roughan, M; Rudnick, DL; Rykaczewski, RR; Saraceno, M; Seim, H; Sen Gupta, A; Shannon, L; Sloyan, BM; Sutton, AJ; Thompson, L; van der Plas, AK; Volkov, D; Wilkin, J; Zhang, DX; Zhang, LL	FRONTIERS IN MARINE SCIENCE	6				2019	3,086	10.3389/fmars.2019.00423		DOAJ Gold	PACES II
151	Field intercomparison of radiometers used for satellite validation in the 400-900 nm range	Vabson V., Kuusk J., Ansko I., Vendt R., Alikas K., Ruddick K., Anspér A., Bresciani M., Burmester H., Costa M., D'Alimonte D., Dall'Olmo G., Damiri B., Dinter T., Giardino C., Kangro K., Ligi M., Paavel B., Tilstone G., Van Dommelen R., Wiegmann S., Bracher A., Donlon C., Casal T.,	Remote Sensing	11	9	1129		2019	4,118	10.3390/rs11091129	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065732589&amp;doi=10.3390%2frs11091129&amp;partnerID=40&amp;md5=8f81d942c2792ce153b9a71ceadfa8b">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065732589&amp;doi=10.3390%2frs11091129&amp;partnerID=40&amp;md5=8f81d942c2792ce153b9a71ceadfa8b</a>	DOAJ Gold, Green Accepted	PACES II

No.	Title	Author	Source	Volume	Issue	Page start	Page end	Year	Impact-Factor	DOI	Link	Open Access	HGF-Programme
152	Laboratory intercomparison of radiometers used for satellite validation in the 400-900 nm range	Vabson V., Kuusk J., Ansko I., Vendt R., Alikas K., Ruddick K., Anspaer A., Bresciani M., Burmester H., Costa M., D'Alimonte D., Dall'Omo G., Damiri B., Dinter T., Giardino C., Kangro K., Ligi M., Paavel B., Tilstone G., Van Dommelen R., Wiegmann S., Bracher A., Donlon C., Casal T.,	Remote Sensing	11	9	1101		2019	4,118	10.3390/rs11091101	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065707399&amp;doi=10.3390%2frs11091101&amp;partnerID=40&amp;md5=0031c53601ad91a55cd33d7ddc5111cb">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065707399&amp;doi=10.3390%2frs11091101&amp;partnerID=40&amp;md5=0031c53601ad91a55cd33d7ddc5111cb</a>	DOAJ Gold, Green Published, Green Accepted	PACES II
153	Wadden sea eutrophication: Long-term trends and regional differences	van Beusekom J.E.E., Carstensen J., Dolch T., Grage A., Hofmeister R., Lenhart H., Kerimoglu O., Kolbe K., Pättsch J., Rick J., Rönn L., Ruitter H.,	Frontiers in Marine Science	6	JUL	370		2019	3,086	10.3389/fmars.2019.00370	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85069789219&amp;doi=10.3389%2ffmars.2019.00370&amp;partnerID=40&amp;md5=ae045c256fd2e22c803d9d6da3d76146">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85069789219&amp;doi=10.3389%2ffmars.2019.00370&amp;partnerID=40&amp;md5=ae045c256fd2e22c803d9d6da3d76146</a>	DOAJ Gold	PACES II
154	Parameterizing air-water gas exchange in the shallow, microtidal New River estuary.	Van Dam, B.R., Edson, J.B., Tobias, C.	Journal of Geophysical Research: Biogeosciences					2019	Scopus	10.1029/2018JG004908		OA	PACES II
155	Net heterotrophy and carbonate dissolution in two subtropical seagrass meadows	Van Dam, b.r.; Lopes, C., osburn, C.T. Fourqrean, J.W.	Biogeosciences	16	22	4411	4428	2019	3,951	10.5194/bg-16-4411-2019			PACES II
156	Evaluation of the HadGEM3-A simulations in view of detection and attribution of human influence on extreme events in Europe	Vautard R., Christidis N., Ciavarella A., Alvarez-Castro C., Bellprat O., Christiansen B., Colfescu I., Cowan T., Doblas-Reyes F., Eden J., Hauser M., Hegerl G., Hempelmann N., Klehmet K., Lott F., Nangini C., Orth R., Radanovics S., Seneviratne S.I., van Oldenborgh G.J., Stott P., Tett S., Wilcox L., Yiou P.,	Climate Dynamics	52	01-02	1187	1210	2019	4,048	10.1007/s00382-018-4183-6	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85045740431&amp;doi=10.1007%2fs00382-018-4183-6&amp;partnerID=40&amp;md5=7944827a06e8ea2c24e3de75c4ace2f8">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85045740431&amp;doi=10.1007%2fs00382-018-4183-6&amp;partnerID=40&amp;md5=7944827a06e8ea2c24e3de75c4ace2f8</a>	Green Accepted	PACES II
157	Copernicus marine service ocean state report	von Schuckmann, K., Le Traon, P., Staneva, J., et al.	Journal of Operational Oceanography	12(sup1)		51	5123	2019	1,717	10.1080/1755876X.2019.1633075			PACES II
158	Attitudes of young scholars in Qingdao and Hamburg about climate change and climate policy – The role of culture for the explanation of differences	von STORCH H., CHEN X., PFAU-EFFINGER B., BRAY D., ULLMANN A.,	Advances in Climate Change Research					2019	Scopus	10.1016/j.accre.2019.04.001	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065085326&amp;doi=10.1016%2fj.accre.2019.04.001&amp;partnerID=40&amp;md5=47e22d494d9dbcf93a4e60208862e04">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065085326&amp;doi=10.1016%2fj.accre.2019.04.001&amp;partnerID=40&amp;md5=47e22d494d9dbcf93a4e60208862e04</a>	OA	PACES II
159	The history of ideas of downscaling-from synoptic dynamics and spatial interpolation	von Storch H., Zorita E.,	Frontiers in Environmental Science	7	FEB	21		2019	-	10.3389/fenvs.2019.00021	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064411443&amp;doi=10.3389%2ffeivs.2019.00021&amp;partnerID=40&amp;md5=ead4eac751efdd5abd2363a90d50587a">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064411443&amp;doi=10.3389%2ffeivs.2019.00021&amp;partnerID=40&amp;md5=ead4eac751efdd5abd2363a90d50587a</a>	DOAJ Gold	PACES II
160	Intertidal regions changing coastal alkalinity: The Wadden Sea-North Sea tidally coupled bioreactor	Voynova Y.G., Petersen W., Gehrung M., Aßmann S., King A.L.,	Limnology and Oceanography	64	3	1135	1149	2019	4,325	10.1002/lno.11103	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065503488&amp;doi=10.1002%2flno.11103&amp;partnerID=40&amp;md5=e22b24ee680a6f3a916ef8e22f1bc8e0">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065503488&amp;doi=10.1002%2flno.11103&amp;partnerID=40&amp;md5=e22b24ee680a6f3a916ef8e22f1bc8e0</a>	Other Gold	PACES II
161	Jet stream dynamics, hydroclimate, and fire in California from 1600 CE to present	Wahl E.R., Zorita E., Trouet V., Taylor A.H.,	Proceedings of the National Academy of Sciences of the United States of America	116	12	5393	5398	2019	Proceeding	10.1073/pnas.1815292116	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063303891&amp;doi=10.1073%2fpnas.1815292116&amp;partnerID=40&amp;md5=5b7c29f6fbed3a7380b99bd79022a56">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063303891&amp;doi=10.1073%2fpnas.1815292116&amp;partnerID=40&amp;md5=5b7c29f6fbed3a7380b99bd79022a56</a>		PACES II
162	Planning at Sea: Shifting planning practices at the German North Sea coast	Walsh, C; Kannen, A	RAUMFORSCHUNG UND RAUMORDNUNG-SPATIAL RESEARCH AND PLANNING	77	2	147	164	2019	0	10.2478/rara-2019-0020		Other Gold	PACES II

No.	Title	Author	Source	Volume	Issue	Page start	Page end	Year	Impact-Factor	DOI	Link	Open Access	HGF-Programme
163	Diving into the past: A paleo data-model comparison workshop on the late glacial and holocene	Weitzel N., Wagner S., Sjolte J., Klockmann M., Bothe O., Andres H., Tarasov L., Rehfeld K., Zorita E., Widmann M., Sommer P., Schädler G., Ludwig P., Kapp F., Jonkers L., Garcia-Pintado J., Fuhrmann F., Dolman A., Dallmeyer A., Brücher T.,	Bulletin of the American Meteorological Society	100	1	ES1	ES4	2019	8,166	10.1175/BAMS-D-18-0169.1	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85058523333&amp;doi=10.1175%2FBA-MS-D-18-0169.1&amp;partnerID=40&amp;md5=79a33d7bdf8eace4223a2e2c36406a34">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85058523333&amp;doi=10.1175%2FBA-MS-D-18-0169.1&amp;partnerID=40&amp;md5=79a33d7bdf8eace4223a2e2c36406a34</a>		PACES II
164	The impact of the two-way coupling between wind wave and atmospheric models on the lower atmosphere over the North Sea	Wiese A., Stanev E., Koch W., Behrens A., Geyer B., Staneva J.,	Atmosphere	10	7	386		2019	2,046	10.3390/atmos10070386	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068889917&amp;doi=10.3390%2Fatos10070386&amp;partnerID=40&amp;md5=b15d72fa64b920ddabc201e0c542db68">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068889917&amp;doi=10.3390%2Fatos10070386&amp;partnerID=40&amp;md5=b15d72fa64b920ddabc201e0c542db68</a>	OA	PACES II
165	Physics or biology? Persistent chlorophyll accumulation in a shallow coastal sea explained by pathogens and carnivorous grazing	Wirtz K.W.,	PLoS ONE	14	2	e0212143		2019	2,776	10.1371/journal.pone.0212143	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85061969685&amp;doi=10.1371%2Fjournal.pone.0212143&amp;partnerID=40&amp;md5=e4bc6500874142992b128f3520116d84">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85061969685&amp;doi=10.1371%2Fjournal.pone.0212143&amp;partnerID=40&amp;md5=e4bc6500874142992b128f3520116d84</a>	DOAJ Gold, Green Published	PACES II
166	Stick or dye: Evaluating a solid standard calibration approach for Point-Source Integrating Cavity Absorption Meters (PSICAM)	Wollschläger J., Röttgers R., Petersen W., Zielinski O.,	Frontiers in Marine Science	5	FEB	534		2019	3,086	10.3389/fmars.2018.00534	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064391787&amp;doi=10.3389%2Fmars.2018.00534&amp;partnerID=40&amp;md5=75e912aac4cd2d181d82b3bab1e374e9">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064391787&amp;doi=10.3389%2Fmars.2018.00534&amp;partnerID=40&amp;md5=75e912aac4cd2d181d82b3bab1e374e9</a>	DOAJ Gold	PACES II
167	Macrofaunal irrigation traits enhance predictability of nutrient fluxes across the sediment-water interface	Wrede, A., Andresen, H., Asmus, R., et al.	Marine Ecology progress Series	632		27	42	2019	2,359	10.3354/meps13165			PACES II
168	Wave effects on coastal upwelling and water level	Wu L., Staneva J., Breivik Ø., Rutgersson A., Nurser A.J.G., Clementi E., Madec G.,	Ocean Modelling	140				2019	3,095	10.1016/j.ocemod.2019.101405	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068138830&amp;doi=10.1016%2Fj.ocemod.2019.101405&amp;partnerID=40&amp;md5=a821bc08ec46282b952440be980a59dc">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068138830&amp;doi=10.1016%2Fj.ocemod.2019.101405&amp;partnerID=40&amp;md5=a821bc08ec46282b952440be980a59dc</a>		PACES II
169	A 1-dimensional sympagic-pelagic-benthic transport model (SPBM): Coupled simulation of ice, water column, and sediment biogeochemistry, suitable for arctic applications	Yakubov S., Wallhead P., Protsenko E., Yakushev E., Pakhomova S., Brix H.,	Water (Switzerland)	11	8	1582		2019	2,524	10.3390/w11081582	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85070337302&amp;doi=10.3390%2Fw11081582&amp;partnerID=40&amp;md5=84979e80ddbcb62bef3a42097c7ebf61">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85070337302&amp;doi=10.3390%2Fw11081582&amp;partnerID=40&amp;md5=84979e80ddbcb62bef3a42097c7ebf61</a>	OA	PACES II
170	The influence of oceanographic processes on contourite features: A multidisciplinary study of the northern South China Sea	Yin S., Hernández-Molina F.J., Zhang W., Li J., Wang L., Ding W., Ding W.,	Marine Geology	415				2019	3,349	10.1016/j.margeo.2019.105967	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85067488685&amp;doi=10.1016%2Fj.margeo.2019.105967&amp;partnerID=40&amp;md5=75f0dd0f2bed5a4beac7197f45895f8e">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85067488685&amp;doi=10.1016%2Fj.margeo.2019.105967&amp;partnerID=40&amp;md5=75f0dd0f2bed5a4beac7197f45895f8e</a>		PACES II
171	Temporal and spatial statistics of travelling eddy variability in the South China Sea	Zhang M., von Storch H., Chen X., Wang D., Li D.,	Ocean Dynamics	69	8	879	898	2019	1,869	10.1007/s10236-019-01282-2	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068830133&amp;doi=10.1007%2Fs10236-019-01282-2&amp;partnerID=40&amp;md5=17f81ec15e7aea3e724ef69d68b27830">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068830133&amp;doi=10.1007%2Fs10236-019-01282-2&amp;partnerID=40&amp;md5=17f81ec15e7aea3e724ef69d68b27830</a>	OA	PACES II
172	Corrigendum to "Internal solitary waves control offshore extension of mud depocenters on the NW Iberian shelf" [Mar. Geol. 409 (2019) 15–30] (Marine Geology (2019) 409 (15–30), (S002532271830166X) (10.1016/j.margeo.2018.12.008))	Zhang W., Didenkulova I., Kurkina O., Cui Y., Haberkern J., Aepfler R., Santos A.I., Zhang H., Hanebuth T.J.J.,	Marine Geology	411		21		2019	3,349	10.1016/j.margeo.2019.01.012	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85061142006&amp;doi=10.1016%2Fj.margeo.2019.01.012&amp;partnerID=40&amp;md5=c7dcb7d52deb273248c79bee67cf672">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85061142006&amp;doi=10.1016%2Fj.margeo.2019.01.012&amp;partnerID=40&amp;md5=c7dcb7d52deb273248c79bee67cf672</a>		PACES II

No.	Title	Author	Source	Volume	Issue	Page start	Page end	Year	Impact-Factor	DOI	Link	Open Access	HGF-Programme
173	The Budget of Macrobenthic Reworked Organic Carbon: A Modeling Case Study of the North Sea	Zhang W., Wirtz K., Daewel U., Wrede A., Kröncke I., Kuhn G., Neumann A., Meyer J., Ma M., Schrum C.,	Journal of Geophysical Research: Biogeosciences	124	6	1446	1471	2019	3,621	10.1029/2019JG005109	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85067407205&amp;doi=10.1029%2F2019JG005109&amp;partnerID=40&amp;md5=4d21f1ae687244e504a1ffa52375ebd5">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85067407205&amp;doi=10.1029%2F2019JG005109&amp;partnerID=40&amp;md5=4d21f1ae687244e504a1ffa52375ebd5</a>		PACES II
174	Emission factors and environmental implication of organic pollutants in PM emitted from various vessels in China	Zhang, F; Chen, YJ; Cui, M; Feng, YL; Yang, X; Chen, JM; Zhang, Y; Gao, HW; Tian, CG; Matthias, V; Liu, H	ATMOSPHERIC ENVIRONMENT	200		302	311	2019	4,012	10.1016/j.atmosenv.2018.12.006			PACES II
175	Ocean response to successive typhoons sarika and haima (2016) based on data acquired via multiple satellites and moored array	Zhang, H., Liu, X., Zhang, W., et al.	Remote Sensing	11	20			2019	Scopus	10.3390/rs11202360			PACES II
176	Tidal impacts on primary production in the North Sea	Zhao C., Daewel U., Schrum C.,	Earth System Dynamics	10	2	287	317	2019	4,351	10.5194/esd-10-287-2019	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065025242&amp;doi=10.5194%2Fesd-10-287-2019&amp;partnerID=40&amp;md5=c4c19bc89b2613d0fe10a09f6bfd6566">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065025242&amp;doi=10.5194%2Fesd-10-287-2019&amp;partnerID=40&amp;md5=c4c19bc89b2613d0fe10a09f6bfd6566</a>	DOAJ Gold	PACES II
177	Characterizing the vertical distribution of chlorophyll a in the German Bight	Zhao C., Maerz J., Hofmeister R., Röttgers R., Wirtz K., Riethmüller R., Schrum C.,	Continental Shelf Research	175		127	146	2019	2,134	10.1016/j.csr.2019.01.012	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85061755227&amp;doi=10.1016%2Fj.csr.2019.01.012&amp;partnerID=40&amp;md5=c0659c99bc8ca56b76cce5776b121a1b">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85061755227&amp;doi=10.1016%2Fj.csr.2019.01.012&amp;partnerID=40&amp;md5=c0659c99bc8ca56b76cce5776b121a1b</a>	Green Published, Other Gold	PACES II
178	Land-atmosphere feedbacks exacerbate concurrent soil drought and atmospheric aridity	Zhou, S., Hagemann, S., et al.	Proceedings of the national academy of sciences of the United States of America	116	38	18848	18853	2019	Proceeding	10.1073/pnas.1904955116			PACES II
179	Heinrich events show two-stage climate response in transient glacial simulations	Ziemen, F.A., Kapsch, M.-L., Klockmann, M.	Clim. Past	15	1	153	168	2019	Scopus	10.5194/cp-15-153-2019			PACES II
180	Zinc isotopic variations of water and surface sediments from the German Elbe River	Zimmerman, T., et al.	Science of the Total Environment	135219				2019	5,589	10.1016/j.scitotenv.2019.135219			PACES II
181	Matrix separation of Sr and Pb for isotopic ratio analysis of Ca-rich samples via an automated simultaneous separation procedure	Zimmermann T., Retzmann A., Schober M., Prüfrock D., Prohaska T., Irrgeher J.,	Spectrochimica Acta - Part B Atomic Spectroscopy	151		54	64	2019	3,101	10.1016/j.sab.2018.11.009	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85057714587&amp;doi=10.1016%2Fj.sab.2018.11.009&amp;partnerID=40&amp;md5=3ec4073a855fb2bfb50be770b0dcff22">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85057714587&amp;doi=10.1016%2Fj.sab.2018.11.009&amp;partnerID=40&amp;md5=3ec4073a855fb2bfb50be770b0dcff22</a>		PACES II
182	The climate of the past millennium and online public engagement in a scientific debate	Zorita, E. et al.	Wiley Interdisciplinary Reviews: Climate Change					2019	7,057	10.1002/wcc.590	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85066309881&amp;doi=10.1002%2Fwcc.590&amp;partnerID=40&amp;md5=2a002a1357243bd8bc0fc8c91f95a060">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85066309881&amp;doi=10.1002%2Fwcc.590&amp;partnerID=40&amp;md5=2a002a1357243bd8bc0fc8c91f95a060</a>		PACES II

No.	Title	Author	Source	Volume	Issue	Page start	Page end	Year	Impact-Factor	DOI	Link	Open Access	HGF-Programme
1	Exact solutions and stability analysis of a nonlinear model of open-ocean deep convection that allows multiple steady states.	Bashmachnikov, I.L., Kovalevsky, D.V.	Discontinuity, Nonlinearity, and Complexity, 8(2), 169-186	8	2	169	186	2019	Scopus	10.5890/DNC.2019.06.005			PACES II / GERICS
2	Generating WUDAPT Level 0 data – Current status of production and evaluation	Bechtel, B., Alexander, P.J., Beck, C., Böhner, J., Brousse, O., Ching, J., Demuzere, M., Fonte, C., Gál, T., Hidalgo, J., Hoffmann, P., Middel, A., Mills, G., Ren, C., See, L., Sismanidis, P., Verdonck, M.-L., Xu, G., Xu, Y.	Urban Climate	27		24	45	2019	Scopus	10.1016/j.uclim.2018.10.001			PACES II / GERICS
3	Summertime precipitation extremes in a EURO-CORDEX 0.11° ensemble at an hourly resolution	Berg, P., Christensen, O.B., Klehmet, K., Lenderink, G., Olsson, J., Teichmann, C., Yang, W.	Nat. Hazards Earth Syst. Sci.	19		957	971	2019	2,883	10.5194/nhess-19-957-2019			PACES II / GERICS
4	Need for a common typology of climate services	Bessembinder, J., Terrado, M., Hewitt, C., Garrett, N., Kotova, L., Buoncore, M., Groenland, R.	Climate Services	16	100135			2019	Scopus	10.1016/j.cliser.2019.100135			PACES II / GERICS
5	Leveraging public adaptation finance through urban land reclamation: cases from Germany, the Netherlands and the Maldives	Bisaro, A., de Bel, M., Hinkel, J., Kok, S., Bouwer, L. M.	Climatic Change					2019	Scopus	10.1007/s10584-019-02507-5			PACES II / GERICS
6	User tailored results of a regional climate model ensemble to plan adaption to the changing climate in Germany	Bülow, K., Huebener, H., Keuler, K., Menz, C., Pfeifer, S., Ramthun, H., Spekat, A., Steger, C., Teichmann, C., Warrach-Sagi, K.	Adv. Sci. Res	16		241		2019	Proceeding	10.5194/asr-16-241-2019		OA	PACES II / GERICS
7	Dynamical downscaling of historical climate over CORDEX Central America domain with a regionally coupled atmosphere-ocean model	Cabos, W; Sein, DV; Duran-Quesada, A; Liguori, G; Koldunov, NV; Martinez-Lopez, B; Alvarez, F; Sieck, K; Limareva, N; Pinto, JG	CLIMATE DYNAMICS	52	43684	4305	4328	2019	4,048	10.1007/s00382-018-4381-2		Other Gold, Green Published	PACES II / GERICS
8	Systematic analysis of EU-based climate service providers	Cortekar, J., Themessl, M., Lamich, K.	Climate Services					2019	Scopus	10.1016/j.cliser.2019.100125			PACES II / GERICS
9	Ten principles to integrate the water-energy-land nexus with climate services for co-producing local and regional integrated assessments	Cremades, R., Mitter, H., Tudose, N.C., Sanchez-Plaza, A., Graves, A., Broekman, A., Bender, S., Giupponi, C., Koundouri, P., Bahri, M., Cheval, S., Cortekar, J., Moreno, Y., Melo, O., Karner, K., Ungurean, C., Davidescu, S.O., Kropf, B., Brouwer, F., Marin, M.	Science of The Total Environment	693	133662			2019	5,589	10.1016/j.scitotenv.2019.133662			PACES II / GERICS
10	Computing climate-smart urban land use with the Integrated Urban Complexity model (IUCM 1.0)	Cremades, R.; Sommer, P.S.:	Geoscientific Model Development	12	1	525	539	2019	5,154	5194/gmd-12-525-2019			PACES II / GERICS
11	A Temperature-Scaling Approach for Projecting Changes in Short Duration Rainfall Extremes from GCM Data	Dahm, R; Bhardwaj, A; Weiland, FS; Corzo, G; Bouwer, LM	WATER	11	2			2019	2,524	10.3390/w11020313		DOAJ Gold	PACES II / GERICS
12	Evaluating reanalysis-driven CORDEX regional climate models over Australia: model performance and errors	Di Virgilio, G.; Evans, J.P.; Di Luca, A.; Olson, R.; Argüeso, D.; Kala, J.; Andrys, J.; Hoffmann, P.; Katzfey, J.J.; Rockel, B.	Climate Dynamics					2019	Scopus	10.1007/s00382-019-04672-w			PACES II / GERICS
13	Towards a more integrated role for early career researchers in the IPCC process.	Gulizia, C., Langendijk, G., Huang-Lachmann, J.-T., de Amorim Borges, P., Flach, R., Githaiga, C., Rahimi, M.	Climatic Change					2019	Scopus	20.1007/s10584-019-02604-5			PACES II / GERICS
14	Investments under non-stationarity: economic evaluation of adaptation pathways	Haasnoot, M.; Aalst van, M.; Rozenberg, J.; Dominique, K.; Matthews, J.; Bouwer, L.M.; Kind, J.; Poff, N.R.L	Climatic Change					2019	Scopus	10.1007/s10584-019-02409-6		OA	PACES II / GERICS

No.	Title	Author	Source	Volume	Issue	Page start	Page end	Year	Impact-Factor	DOI	Link	Open Access	HGF-Programme
15	User requirements and case studies to evaluate the practicability and usability of the urban climate Model PALM-4U	Halbig, G., Steuri, B., Büter, B., Heese, I., Schultze, J., Stecking, M., Willen, L., Winkler, M.	Meteorologische Zeitschrift	28	2	139	146	2019	1,631	10.1127/metz/2019/0914			PACES II / GERICS
16	Social Innovation in Community Energy in Europe: A Review of the Evidence	Hewitt R.J.; Bradley, N.; Baggio Compagnucci, A.; Barlagne, C.; Ceglaz, A.; Cremades, R.; McKeen, M.; Otto, I.M.; Slee, B.	Front. Energy Res.	7	31			2019	1,701	10.3389/ferng.2019.00031			PACES II / GERICS
17	The human imperative of stabilizing global climate change at 1.5°C	Hoegh-Guldberg, O., Jacob, D., Taylor, M., Guillén Bolaños, T., Bindi, M., Brown, S., Camilloni, I. A., Diedhiou, A., Djalante, R., Ebi, K., Engelbrecht, F., Guiot, J., Hijioka, Y., Mehrotra, S., Hope, C. W., Payne, A. J., Pörtner, H.-O., Seneviratne, S. I., Thomas, A., Warren, R., Zhou, G.	Science	365	6459	1	11	2019	41,063	10.1126/science.aaw6974	<a href="https://science.sciencemag.org/content/365/6459/eaaw6974/tab-pdf">https://science.sciencemag.org/content/365/6459/eaaw6974/tab-pdf</a>		PACES II / GERICS
18	The report on 1.5°C global warming-relevant aspects for climate services	Jacob, D., Blome, T., Guillén Bolaños, T., Petersen, J., Preuschmann, S., Steuri, B.	Climate Services	in press				2019	Scopus	10.1016/j.cliser.2019.100105			PACES II / GERICS
19	Probabilistic Precipitation Forecasting over East Asia Using Bayesian Model Averaging	Ji, LY; Zahi, XF; Zhu, SP; Fraedrich, K.	Weather and Forecasting	34	2	377	391	2019	2,288	10.1175/WAF-D-18-0093.1			PACES II / GERICS
20	Building urgent intergenerational bridges: assessing early career researcher integration in global sustainability initiatives.	Jørgensen, P.S., Evoh, C., Gerhardinger, L., C., Hughes, A.C., Langendijk, G.S., Moersberger, H., Pocklington, J., Mukherjee, N.	Current Opinion in Environmental Sustainability	39		153	159	2019	Scopus	10.1016/j.cosust.2019.10.001	<a href="https://doi.org/10.1016/j.cosust.2019.10.001">https://doi.org/10.1016/j.cosust.2019.10.001</a>		PACES II / GERICS
21	Approaches to analyse and model changes in impacts: reply to discussions of "How to improve attribution of changes in drought and flood impacts"	Kreibich, H., Blauhut, V., Aerts, J.C.J.H., Bouwer, L.M., Van Lanen, H.A.J., Mejia, A., Mens, M. & Van Loon, A.F.	Hydrological Sciences Journal					2019	2,180	10.1080/02626667.2019.1701194			PACES II / GERICS
22	How to improve attribution of changes in drought and flood impacts	Kreibich, H; Blauhut, V; Aerts, JCIH; Bouwer, LM; Van Lanen, HAJ; Mejia, A; Mens, M; Van Loon, AF	HYDROLOGICAL SCIENCES JOURNAL-JOURNAL DES SCIENCES HYDROLOGIQUES	64	1	1	18	2019	2,18	10.1080/02626667.2018.1558367		Bronze	PACES II / GERICS
23	Three ways forward to improve regional information for extreme events: An early career perspective	Langendijk G.S., Aubry-Wake C., Osman M., Gulizia C., Attig-Bahar F., Behrens E., Bertoncini A., Hart N., Indasi V.S., Innocenti S., van der Linden E.C., Mammun N., Rasouli K., Reed K.A., Ridder N., Rivera J., Ruscica R., Ukazu B.U., Walawender J.P., Walker D.P., Woodhams B.J., Yilmaz Y.A.	Frontiers in Environmental Science	7	FEB	6		2019	-	10.3389/fevs.2019.00006	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064414063&amp;doi=10.3389%2f2fevs.2019.00006&amp;partnerID=40&amp;md5=9cd002c76a080b0ebd2a59a4a3c4869e">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064414063&amp;doi=10.3389%2f2fevs.2019.00006&amp;partnerID=40&amp;md5=9cd002c76a080b0ebd2a59a4a3c4869e</a>	DOAJ Gold, Green Published	PACES II / GERICS
24	Urban Areas and Urban–Rural Contrasts under Climate Change: What Does the EURO-CORDEX Ensemble Tell Us?—Investigating Near Surface Humidity in Berlin and Its Surroundings.	Langendijk, G.S., Rechid, D., Jacob, D.	Atmosphere	10 (12)	730			2019	2,046	10.3390/atmos10120730			PACES II / GERICS
25	Potential Numerical Techniques and Challenges for Atmospheric Modeling.	Li, J., Steppeler, J., Fang, F., Pain, C.C., Zhu, J., Peng, X., Dong, L., Li, Y., Tao, L., Leng, W., Wang, Y., Zheng, J. (2019). Sept. 2019.	Bulletin of the American Meteorological Society					2019	8,166	DOI: 10.1175/BAMS-D-19-0031.1			PACES II / GERICS
26	The Role of Stakeholders in Creating Societal Value From Coastal and Ocean Observations	Mackenzie, B; Celliers, L; Assad, LPD; Heymans, JJ; Rome, N; Thomas, J; Anderson, C; Behrens, J; Calverley, M; Desai, K; DiGiacomo, PM; Djavidnia, S; dos Santos, F; Eparkhina, D; Ferrari, J; Hanly, C; Houtman, B; Jeans, G; Landau, I; Larkin, K; Leeler, D; Le Traon, PY;	FRONTIERS IN MARINE SCIENCE	6				2019	3	10.3389/fmars.2019.00137		DOAJ Gold	PACES II / GERICS

No.	Title	Author	Source	Volume	Issue	Page start	Page end	Year	Impact-Factor	DOI	Link	Open Access	HGF-Programme
27	Risk reduction partnerships in railway transport infrastructure in an alpine environment	Otto, A., Kellermann, P., Thieken A.H., Mazez Costa, M., Carmona, M., Bubeck, P.	International Journal of Disaster Risk Reduction	33		385	397	2019	2,568	10.1016/j.ijdr.2018.10.025			PACES II / GERICS
28	1.5 degrees, 2 degrees, and 3 degrees global warming: visualizing European regions affected by multiple changes	Pfeifer, S; Rechid, D; Reuter, M; Viktor, E; Jacob, D	REGIONAL ENVIRONMENTAL CHANGE	19	6	1777	1786	2019	3,149	10.1007/s10113-019-01496-6		Other Gold	PACES II / GERICS
29	Evaluation of New CORDEX Simulations Using an Updated Koppen–Trewartha Climate Classification.	Remedio, A.R., Teichmann, C., Buntemeyer, L., Sieck, K., Weber, T., Rechid, D., Hoffmann, P., Nam, C., Kotova, L., Jacob, D.	Atmosphere	10 (11)	726		249	2019	2,046	10.3390/atmos10110726			PACES II / GERICS
30	Inferring causation from time series in Earth system sciences	Runge, J; Bathiany, S; Bollt, E; Camps-Valls, G; Coumou, D; Deyle, E; Glymour, C; Kretschmer, M; Mahecha, MD; Munoz-Mari, J; van Nes, EH; Peters, J; Quax, R; Reichstein, M; Scheffer, M; Scholkopf, B; Spirtes, P; Sugihara, G; Sun, J;	NATURE COMMUNICATIONS	10				2019	11,878	10.1038/s41467-019-10105-3		DOAJ Gold, Green Published	PACES II / GERICS
31	Urban Climate Under Change [UC]2 – A National Research Programme for Developing a Building-Resolving Atmospheric Model for Entire City Regions	Scherer, D.; Antretter, F.; Bender, S.; Cortekar, J.; Emeis, S.; Fehrenbach, U.; Gross, G.; Halbig, G.; Hasse, J.; Maronga, B.; Raasch, S.; Scherber, K.	Meteorologische Zeitschrift					2019	1,631	10.1127/metz/2019/0913			PACES II / GERICS
32	An introduction to the 'Oceans and Society: Blue Planet' initiative	Smari, L.A., DiGiacomo, P.M., Seeyave, S., Djavidnia, S., Celliers, L., Le Traon, P.-Y., Gault, J., Escobar-Briones, E., Plag, H.-P., Pequignet, C., Bajona, L., Zhang, L., Pearlman, J., Steven, A., Hodge, J., Racault, M.-F., Storlazzi, C., Elmer, W., Healy, D., Maza, L., van	Journal of Operational Oceanography	0		1	11	2019	1,717	10.1080/1755876X.2019.1634959			PACES II / GERICS
33	o3o3: A Variant of Spectral Elements with a Regular Collocation Grid	Stappeler, J., Li, J., Fang, F., Zhu, J., Ullrich, P.H.	Monthly Weather Review					2019	3,146	10.1175/MWR-D-18-0288.1			PACES II / GERICS
34	Third-order sparse grid generalized spectral elements on hexagonal cells for uniform-speed advection in a plane	Stappeler, J., Li, J., Fang, F., Navn, I.M.	Meteorol Atmos Phys					2019	1,656	10.1007/s00703-019-00718-0			PACES II / GERICS
35	Test of a cubic spline interface for physical processes with a 1-D third-order spectral element model	Stappeler, J., Li, J., Fang, F., Zhu, J.	Tellus A: Dynamic Meteorology and Oceanography	71	1			2019	Scopus	10.1080/16000870.2019.1591846			PACES II / GERICS
36	Process-oriented assessment of RCA4 regional climate model projections over the Congo Basin under 1.5. C and 2. C global warming levels: influence of regional moisture fluxes	Tamoffo, AT; Moufouma-Okia, W; Dosio, A; James, R; Pokam, WM; Vondou, DA; Fotso-Nguemo, TC; Guenang, GM; Kamsu-Tamo, PH; Nikulin, G; Longandjo, GN; Lennard, CJ; Bell, JP; Takong, RR; Haensler, A; Tchotchou, LAD; Nouayou, R	CLIMATE DYNAMICS	53	03/04	1911	1935	2019	4,048	10.1007/s00382-019-04751-y			PACES II / GERICS

No.	Title	Author	Source	Volume	Issue	Page start	Page end	Year	Impact-Factor	DOI	Link	Open Access	HGF-Programme
37	Daily characteristics of Central African rainfall in the REMO model	Tamoffo, AT; Vondou, DA; Pokam, WM; Haensler, A; Yepdo, ZD; Fotsso-Nguemo, TC; Tchotchou, LAD; Nouayou, R	THEORETICAL AND APPLIED CLIMATOLOGY	137	43558	2351	2368	2019	2,72	10.1007/s00704-018-2745-5			PACES II / GERICS
38	Market demand for climate services: An assessment of users' needs	Tart, S., Groth, M., Seipold, P.	Climate Services					2019	Scopus	10.1016/j.cliser.2019.100109		OA	PACES II / GERICS
39	The road weather model RoadSurf (v6.60b) driven by the regional climate model HCLIM38: evaluation over Finland	Toivonen E., Hippel, M., Korhonen, H., Laaksonen, A., Kangas, M., Pietikäinen, J.-P.	Geosci. Model Dev.	12		3481	3501	2019	Scopus	10.5194/gmd-12-3481-2019	<a href="https://www.geosci-model-dev.net/12/3481/2019/gmd-12-3481-2019.html">https://www.geosci-model-dev.net/12/3481/2019/gmd-12-3481-2019.html</a>	OA	PACES II / GERICS
40	Evaluating adaptation measures for reducing flood risk: A case study in the city of Colombo, Sri Lanka	Wagenaar, DJ; Dahm, RJ; Diermanse, FLM; Dias, WPS; Dissanayake, DMSS; Vajja, HP; Gehrels, JC; Bouwer, LM	INTERNATIONAL JOURNAL OF DISASTER RISK REDUCTION	37				2019	2,568	10.1016/j.ijdr.2019.101162			PACES II / GERICS
41	Vulnerability of informal settlements in the context of rapid urbanization and climate change	Williams, D.S.; Mániz Costa, M.; Sutherland, C.; Celliers, L.; Scheffran, J.	Environment and Urbanization					2019	2,256	10.1177/0956247818819694			PACES II / GERICS
42	Downstream effect of Hengduan Mountains on East China in the REMO regional climate model	Xu, J., Koldunov, N.V., Remedio, A.R.C., Sein, D.V., Rechid, D., Zhi, X., Jiang, X., Xu, M., Zhu, X., Fraedrich, K., Jacob, D. (2019):	Theoretical and Applied Climatology	135	3 - 4	1641	658	2019	Scopus	10.1007/s00704-018-2721-0			PACES II / GERICS