

GKSS-Publikationsliste 2008
ISI-gelistete und veröffentlichte Publikationen

AEM

TOPIC 1

1. Witte, F.; Fischer, J.; Beckmann, F.; Stoermer, M.; Hort, N.: Three-dimensional microstructural analysis of Mg–Al–Zn alloys by synchrotron-radiation-based microtomography; Scripta Materialia. Vol. 58 (2008) 6, 453 - 456. **IF 2,481**
2. Huang, Y.; Dieringa, H.; Hort, N.; Abuleil, T.; Kainer, K.U.; Liu, Y.: Effects of segregation of primary alloying elements on the creep response in magnesium alloys; Scripta Materialia. Vol. 58 (2008) 10, 894 - 897. **IF 2,481**
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4. Zeng, R.; Dietzel, W.; Witte, F.; Hort, N.; Blawert, C.: Progress and Challenge for Magnesium Alloys as Biomaterials; Advanced Engineering Materials. Vol. 10 (2008) 8, B3 - B14. **IF 1,463**
5. Kozlov, A.; Ohno, M.; Abuleil, T.; Hort, N.; Kainer, K.U.; Schmid-Fetzer, R.: Phase equilibria, thermodynamics and solidification microstructures of Mg–Sn–Ca alloys, Part 2: Prediction of phase formation in Mg-rich Mg–Sn–Ca cast alloys; Intermetallics. Vol. 16 (2008) 2, 316 - 321. **IF 2,219**
6. Ben-Hamu, G.; Eliezer, D.; Dietzel, W.; Shin, K.S.: Stress Corrosion Cracking of new Mg-Zn-Mn wrought alloys containing Si; Corrosion Science. Vol. 50 (2008) 5, 1505 - 1517. **IF 1,895**
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11. Lafront, A.-M.; Dube, D.; Tremblay, R.; Ghali, E.; Blawert, C.; Dietzel, W.: Corrosion Resistance of the Skin and Bulk of Die Cast and Thixocast AZ91D Alloy in Cl- Solution Using Electrochemical Techniques; Canadian Metallurgical Quarterly. Vol. 47 (2008) 4, 459 - 468. **IF 0,158**
12. Scheider, I.; Pfuff, M.; Dietzel, W.: Simulation of hydrogen assisted stress corrosion cracking using the cohesive model; Engineering Fracture Mechanics 75/15 (2008) 4283-4291. **IF 1,227**
13. Srinivasan, P.B.; Blawert, C.; Dietzel, W.: Effect of plasma electrolytic oxidation coating on the stress corrosion cracking behaviour of wrought AZ61 magnesium alloy; Corrosion Science. Vol. 50 (2008) 8, 2415 - 2418. **IF 1,895**
14. Srinivasan, P.B., Blawert, C.; Dietzel, W.; Kainer, K.U.: Stress corrosion cracking behaviour of a surface-modified magnesium alloy; Scripta Materialia. Vol. 59 (2008) pp. 43 - 46. **IF 2,481**
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20. Zeng R., Dietzel W., Zettler R., Chen J., Kainer K.U., Microstructure evolution and tensile properties of Friction Stir Welded AM50 Magnesium Alloy; Transactions of Nonferrous Metals Society of China 18 (2008) 76 – 80. **IF 0,264**
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33. Mondal, A.K.; Kumar, S.; Blawert, C.; Dahotre, N.B.: Effect of laser surface treatment on corrosion and wear resistance of ACM720 Mg alloy; Surface and Coatings Technology 202 14 (2008) 3187-3198. **IF 1,678**

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34. Steglich, D.; Brocks, W.; Heerens, J.; Pardoen, T.: Anisotropic ductile fracture of Al 2024 alloys. In: Engineering Fracture Mechanics. Vol. 75 (2008) 12, 3692 - 3706. (DOI: 10.1016/j.engfracmech.2007.04.008) **IF 1,227**
35. Coelho, R.S.; Kostka, A.; Pinto, H.; Riekehr, S.; Kocak, M.; Pyzalla, A.R.: Microstructure and mechanical properties of magnesium alloy AZ31B laser beam welds. In: Materials Science and Engineering A. Vol. 485 (2008) 1-2, 20 - 30. (DOI: 10.1016/j.msea.2007.07.073) **IF 1,457**
36. Scheider, I.; Pfuff, M.; Dietzel, W.: Simulation of hydrogen assisted stress corrosion cracking using the cohesive model. In: Engineering Fracture Mechanics. Vol. 75 (2008) 15, 4283 - 4291. (DOI: 10.1016/j.engfracmech.2007.10.002) **IF 1,227**
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38. Scheider, I.; Brocks, W.: Residual strength prediction of a complex structure using crack extension analyses. In: Engineering Fracture Mechanics. Vol. 75 (2008) 13, 4001 - 4017. (DOI: 10.1016/j.engfracmech.2008.02.009) **IF 1,227**
39. Amancio, S.; Sheikhi, S.; dos Santos, J.; Bolfarini, C.: Preliminary study on the microstructure and mechanical properties of dissimilar friction stir welds in aircraft aluminium alloys 2024-T351 and 6056-T4. In: Journal of Materials Processing Technology. Vol. 206 (2008) 1-3, 132 - 142. (DOI: 10.1016/j.jmatprotec.2007.12.008) **IF 0,816**
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41. Hegadekatte, V.; Kurzenhaeser, S.; Huber, N.; Kraft, O.: A predictive modeling scheme for wear in pin-on-disc and twin-disc tribometers. In: Tribology International. Vol. 41 (2008) 11, 1020 - 1031. (DOI: 10.1016/j.triboint.2008.02.020) **IF 1,027**
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48. Ghanem, B.S.; McKeown, N.B.; Budd, P.M.; Selbie, Fritsch, D.: High-Performance Membranes from Polyimides with Intrinsic Microporosity. In: *Advanced Materials*. Vol. 20 (2008) 14, 2766 - 2771. (DOI: 10.1002/adma.200702400) **IF 8,191**
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64. Ponce, M.; Gomes, D.; Pereira Nunes, S.: One-pot synthesis of high molecular weight sulfonated poly(oxadiazole-triazole) copolymers for proton conductive membranes. In: *Journal of Membrane Science*. Vol. 319 (2008) 1-2, 14 - 22. (DOI: 10.1016/j.memsci.2008.03.031) **IF 2,432**
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80. Gerstandt, K; Peinemann, KV; Skilhagen, SE; Thorsen, T; Holt, T: Membrane processes in energy supply for an osmotic power plant. DESALINATION **IF 0,875**
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1. Amancio-Filho, S. T.; Roeder, J.; Nunes, S. P.; dos Santos, J. F.; Beckmann, F.; *Thermal degradation of polyetherimide joined by friction riveting (FricRiveting). Part I: Influence of rotation speed*, Polymer Degradation and Stability 93 (2008), 1529-1538. **IF 2,073**
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