

HZG-Publikationsliste 2011
ISI-gelistete und veröffentlichte Publikationen

AEM

Topic und Programm übergreifend

- [1] Kaysser, W.; Esslinger, J.; Abetz, V.; Huber, N.; Kainer, K.U.; Klassen, T.; Pyczak, F.; Schreyer, A.; Staron, P.: Research with Neutron and Synchrotron Radiation on Aerospace and Automotive Materials and Components. In: Advanced Engineering Materials. Vol. 13 (2011) 8, 637 - 657. (DOI: 10.1002/adem.201100150) IF 1.746

Topic 1

- [2] Atrens, A; Winzer, N; Dietzel, W: Stress Corrosion Cracking of Magnesium Alloys; Advanced Engineering Materials 13 (2011) 11-18. IF 1.746
- [3] Blawert, C.; da Conceicao, T.F.; Kainer, K.U.; Izquierdo, P.; Klose, S.G.; Hoeche, D.: Influence of Die Lubricants on Pickling and Conversion Treatment of High-pressure Die-cast AM30 Magnesium Alloy. In: Advanced Engineering Materials. (2011) (DOI: 10.1002/adem.201100259) IF 1.746
- [4] da Conceicao, TF; Scharnagl, N; Dietzel, W; Kainer, KU: Corrosion protection of magnesium AZ31 alloy using poly(ether imide) [PEI] coatings prepared by the dIF coating method Influence of solvent and substrate pre-treatment; Corrosion Science 53 1 (2011) 338-346. IF 3.265
- [5] da Conceicao, T.F.; Scharnagl, N.; Dietzel, W.; Hoeche, D.; Kainer, K.U.: Study on the interface of PVDF coatings and HF-treated AZ31 magnesium alloy: Determination of interfacial interactions and reactions with self-healing properties. In: Corrosion Science. Vol. 53 (2011) 2, 712 - 719. (DOI: 10.1016/j.corsci.2010.11.001) IF 3.265
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- [8] Dobron, P; Chmelik, F; Yi, SB; Parfenenko, K; Letzig, D; Bohlen, J: Grain size effects on deformation twinning in an extruded magnesium alloy tested in compression: In: ScrIfta Materialia 65 5 (2011) 424-427. DOI: 10.1016/j.scriftamat.2011.05.027 IF 2.820
- [9] Dudamell, N.V.; Ulacia, I.; Galvez, F.; Yi, S.; Bohlen, J.; Letzig, D.; Hurtado, I.; Perez-Prado, M.T.: Twinning and grain subdivision during dynamic deformation of a Mg AZ31 sheet alloy at room temperature. In: Acta Materialia . Vol. 59 (2011) 18, 6949 - 6962. (DOI: 10.1016/j.actamat.2011.07.047) IF 3.791
- [10] Ebel, T; Blawert C.; Willumeit R.: Ti-6Al-4V-0.5BuA Modified Alloy for Implants Produced by Metal Injection Molding. In: Advanced Engineering Materials 13 12 (2011) B440-B453. DOI: 10.1002/adem.201180017 IF 1.746
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- [23] Lutz, J; Diaz, C; Garcia, JA; Blawert, C; Mandl, S: Corrosion behaviour of medical CoCr alloy after nitrogen plasma immersion ion implantation; Surface & Coatings Technology 205 (2011) 3043-3049. IF 2.141
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- [33] Sandlobes, S; Zaefferer, S; Schestakow, I; Yi, S; Gonzalez-Martinez, R: On the role of non-basal deformation mechanisms for the ductility of Mg and Mg-Y alloys; Acta Materialia 59 2 (2011) 429-439. IF 3.791
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- [48] Abibe, A.B.; Amancio-Filho, S.T.; dos Santos, J.F.; Hage, E.jr.; : Development and Analysis of a New Joining Method for Polymer–Metal Hybrid Structures. In: *Journal of Thermoplastic Composite Materials*. Vol. 24 (2011) 2, 233 - 249. (DOI: 10.1177/0892705710381469) IF 0.865
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Topic 3

- [77] Alburne, J.; Boschetti de Fierro, A.; Abetz, C.; Fierro, D.; Abetz, V.: Block Copolymer Nanocomposites Based on Multiwall Carbon Nanotubes: Effect of the Functionalization of Multiwall Carbon Nanotubes on the Morphology of the Block Copolymer. In: Advanced Engineering Materials. Vol. 13 (2011) 8, 803 - 810. (DOI: 10.1002/adem.201000291) IF 1.746
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