

Publikationen 2008

Bambach, M.; Taleb-Araghi, B.; Hirt, G.; Reimers, W.:

Error control in explicit finite element simulation of incremental sheet metal forming

In: Proceedings of the 7th International Conference and Workshop on Numerical Simulation of 3D Sheet Metal Forming Processes, edited by Pavel Hora, Eidgenössische Technische Hochschule Zürich, (2008), S. 715-720

Epishin, A.; Link, T.; Nazmy, M.; Staubli, M.; Klingelhöffer, H.; Nolze, G.:

Microstructural degradation of CMSX-4: kinetics and effect on mechanical properties

In: Proceedings of 11th International Symposium "Superalloys 2008", edited by Roger C. Reed, Kenneth A. Green, Pierre Caron, Timothy P. Gabb, Michael G. Fahrman, Eric S. Huron, Shiela A. Woodard, Warrendale: TMS, (2008), S. 725-731

Friedrich, F.; Sieber, I.; Klaus, M.; Genzel, Ch.:

Pulsed-laser deposition of ZnO thin-films on MgO substrates

Physica status solidi (c) 5, (10), (2008), S. 3288-3292

Gibmeier, J.; Klaus, M.; Scholtes, B.:

In-situ investigation of the deformation behaviour of the wrought Mg base alloy AZ31 using energy dispersive synchrotron diffraction

Materials Science Forum 571-572, (2008), S. 195-200

Hasse, B.; Rahn, H.; Odenbach, S.; Beckmann, F.; Reimers, W.:

First results of the DITO-experiment at the HARWI II beamline at GKSS/DESY

Materials Science Forum 571-572, (2008), S. 201-206

Holzschuh, H.; Klaus, M.; Genzel, Ch.:

Influence of the residual stress state on the toughness of CVD-coated cemented cutting tools

Advances in Powder Metallurgy & Particulate Materials 2, Part 6, (2008), S. 6/100-108

Isaac, A.; Sket, F.; Reimers, W.; Camin, B.; Sauthoff, G.; Pyszalla, A. R.:

In situ 3D quantification of the evolution of creep cavity size, shape and spatial orientation using synchrotron X-ray tomography

Materials Science and Engineering A 478, (2008), S. 108-118

Karlson, M.; Weber, S.; Zaree, S. R. Alavi; Müller, S.; Theisen, W.; Reimers, W.; Pyszalla, A. R.:

Manufacturing, microstructure and wear resistance of novel hot extruded Fe based metal matrix composites

Powder Metallurgy 51, (1), (2008), S. 31-37

Klaus, M.; Genzel, Ch.; Holzschuh, H.:

Residual stress depth profiling in complex hard coating systems by X-ray diffraction

Thin Solid Films 517, (3), (2008), S. 1172-1176

Klingelhöffer, H.; Epishin, A.; Link, T.; Portella, P.D.:

Low cycle fatigue of the single crystal nickel-base superalloy CMSX-4: anisotropy and effect of creep damage

In: Sixth International Conference on Low Cycle Fatigue, edited by P. D. Portella, T. Beck, M. Okazaki, (2008), S. 403-408

Müller, S.; Müller, K.; Reimers, W.:

Modifications of the extrusion process of magnesium alloys for improved mechanical properties

Key Engineering Materials 367, (2008), S. 9-16

Müller, S.; Müller, K.; Kumar, M.:

Indirect extrusion of rapidly solidified Al-base alloy powder/ flakes and deformation behavior of the extrudate

Proceedings of the Ninth International Aluminium Extrusion Technology Seminar, Volumen II, (2008), S. 405-410

Reetz, B.; Reimers, W.:

Hot extrusion of α and α/β -brass alloys

International Journal of Materials Research, 99, (7), (2008), S. 787-794

Reimers, W.; Pyzalla, A. R.; Schreyer, A.; Clemens, H.:

Neutrons and synchrotron radiation in engineering materials science

WILEY-VCH, ISBN 978-3-527-31533-8

Reimers, W.:

Einsatz für tragende Teile im Automobil

lightweightdesign 6, (2008), S. 15

Reimers, W.:

Alu ummantelt Magnesium

Automotive Materials 4, (6), (2008), S. 42-43

Silva, P. A.; Weber, S.; Karlsohn, M.; Theisen, W.; Reimers, W., Pyzalla, A. R.:

Interface characterization of abrasion resistant coatings co-extruded on steel substrates

Steel Research International 79, (11), (2008), S. 885-894