

Publications 2007

Alymov, M.I.; Epishin, A.I.; Nolze, G.; Link, T.; Bedov, S.S.; Ankudinov, A.B.:

Electron microscopy investigation of the structure of a compact extruded from nanopowder of nickel

Russian Nanotechnologies 2, (2007), pp. 124-129

Beckmann, F.; Grupp, R.; Haibel, A., Huppmann, M.; Nöthe, M.; Pyzalla, R.; Reimers, W.; Schreyer, A.; Zettler, R.:

In-situ synchrotron X-ray microtomography studies of microstructure and damage evolution in engineering materials

Advanced Engineering Materials 9, (11), (2007), pp. 939-950

Bokstein, B.S.; Epishin, A.I.; Esin, V.A.; Rodin, A.O.; Svetlov, I.L.; Link, T.:

Growth and healing of porosity in single-crystals of nickel base superalloys

Journal of Functional Materials 1, (5), (2007), pp. 162-169

Bokstein, B. S.; Epishin, A. I.; Link, T.; Esin, V. A.; Rodin, A. O.; Svedov, I. L.:

Model for the porosity growth in single-crystal nickel-base superalloys during homogenization

Scripta Materialia 57, (9), (2007), pp. 801-804

Epishin, A.:

Structural stability of nickel-base superalloys CMSX-4 and CMSX-10 under high temperature creep conditions

Materials transactions 1, (2007), pp. 49-56

Epishin, A.:

Influence of damage accumulated during high temperature creep on low cycle fatigue of a nickel-base superalloy

Materials Transactions 2, (2007), pp. 52-56

Epishin, A.; Link, T.; Nolze, G.:

SEM investigation of interfacial dislocations in nickel-base superalloys

Journal of Microscopy 228, (2), (2007), pp. 110-117

Hasse, B.; Reimers, W.:

New examination routine for image data taken at beamline G3 with the MAXIM setup

HASYLAB-Jahresbericht 2006, pp. 85-88

Isaac, A.; Sket, F.; Dzieciol, K.; Sauthoff, G.; Borbély, A.; Camin, B.; Reimers, W.; Pyzalla, A.:

Visualisierung der Kriechschädigung in Messing durch Tomographie mit Synchrotronstrahlung

Metall 61, (11), (2007), pp. 742

Kainer, K. U.; Bohlem, J.; Letzig, D.; Müller, S.; Müller, K.; Reimers, W.:

Extruded magnesium alloys for structural applications

Proceedings of the 64th Annual World Magnesium Conference, Vancouver, (2007), pp. 23-35

Müller, K.; Müller, S.:

Severe plastic deformation of the magnesium alloy AZ31

Journal of materials Processing Technology, Band 187/188, (2007), pp. 775-779

Müller, S.:

Weiterentwicklung des Strangpressens von AZ Magnesiumlegierungen im Hinblick auf eine Optimierung der Mikrostruktur, des Gefüges und der mechanischen Eigenschaften

Cuvillier Verlag, Göttingen, ISBN 978-3-86727-370-1

Müller, S.; Müller, K.; Reimers, W.:

Extrusion of magnesium alloys

in: Latest Advances in Extrusion Technology and Simulation in Europe, Conference Proceedings, Bologna, (2007), pp. 5-8

Nissen, J.; Gall, S.; Reimers, W.:

Characterization of stress corrosion cracking of cold deformed brass alloy (CuZn37) using EBSD

Microscopy and Microanalysis 13, (9), (2007), pp. 300-301

Reetz, B.; Reimers, W.:

Strangpressen und Kaltverformung von Messing

Metall 61, (11), (2007), pp.751

Skrzypinska, A.; Reimers, W.:

Friction stir welding of aluminium matrix composites and monolithic aluminium alloys investigated by position sensitive diffraction

HASYLAB-Jahresbericht 2006, pp. 537-538