

## Publikationen 2006

*Epishin, A., Link, T.; Brückner, U.:*

**Microstructural stability of CMSX-4 and CMSX-4-10 under high temperature creep conditions**

in: Proceedings of the 8th Liege conference Materials for Advanced power Engineering 2006, edited by Jacqueline Lecomte-Beckers, (2006), S. 507-520

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

**The effect of high temperature creep damage on low cycle fatigue in CMSX-4**

in: Proceedings of the 8th Liege conference Materials for Advanced power Engineering 2006, edited by Jacqueline Lecomte-Beckers, (2006), S. 517-525

*Güley, V.; Tekkaya, A. E.; Savac, T.; Özhan, F.:*

**Influence of heat treatment and grinding conditions on surface residual stresses in the production of rollers**

Materials Science Forum 524-525, (2006), S. 317-322

*Hasse, B.; Reimers, W.:*

**Bestimmung von Spannungsfeldern mit hoher Ortsauflösung**

Zeitschrift für Kristallographie, Supplement 24, Nr. 5, (2006), S. 128

*Hasse, B.; Koçak, M.; Reimers, W.:*

**Determination of residual stress fields with high local resolution**

Materials Science Forum 524-525, (2006), S. 279-284

*Kohler, C.; Link, T.; Epishin, A.:*

**Dissociation of a (100) edge superdislocations in the gamma'-phase of nickel-base superalloys**

Philosophical Magazine 86, Heft 32, (2006), S. 5103-5121

*Link, T.; A.; Haibel, A.; Zabler, S.; Epishin, A.:*

**X-ray tomography for porosity analysis in single crystal nickel-base superalloys**

in: Proceedings of the 8th Liege conference Materials for Advanced power Engineering 2006, edited by Jacqueline Lecomte-Beckers, (2006), S. 521-531

*Link, T.; Zabler, S.; Epishin, A.; Haibel, A.; Bansal, A.; Thibault, X.:*

**Synchrotron tomography of porosity in single-crystal nickel-base superalloys**

Materials Science and Engineering A 425, Heft 1-2, (2006), S. 47-54

*Müller, K.:*

**Bending of extruded profiles during extrusion process**

International Journal of Machine Tools and Manufacture 46, Heft 11, (2006), S. 1238-1242

*Müller, K.; Müller, S.:*

**Severe plastic deformation of the Mg alloy AZ31**

in: Proceedings of AFDM 2006, CD-ROM, (2006)

*Müller, K.; Thoms, V.:*

**Herstellung von stark gebogenen Profilen im Pressprozess**

in: EFB-Kolloquium, Europäische Forschungsgesellschaft für Blechverarbeitung, (2006), S. 259-267

*Müller, S.; Müller, K.; Huichang, T.; Wolter, W.; Reimers W.:*

**Extrusion of different AZ magnesium alloys**

in: Magnesium, Proceedings of the 7th International Conference on Magnesium Alloys and their Applications, edited by K.U. Kainer, Wiley-VCH Verlag, (2006), S. 406-412

*Müller, S.; Müller, K.; Reimers W.:*

**Severe plastic deformation of AZ31**

Magnesium, Proceedings of the 7th International Conference on Magnesium Alloys and their Applications, edited by K.U. Kainer, Wiley-VCH Verlag, (2006), S. 425-431

*Müller, S.; Camin, B.; Reimers W.:*

**Mechanical strength and creep properties of heat treated AZ alloys**

Magnesium, Proceedings of the 7th International Conference on Magnesium Alloys and their Applications, edited by K.U. Kainer, Wiley-VCH Verlag, (2006), S. 687-692

*Müller, S.; Müller, K.; Tao, H.; Reimers W.:*

**Microstructure and mechanical properties of the extruded Mg-alloys AZ31 AZ61, AZ80,**

International Journal of Materials Research 97, Nr. 10, (2006), S. 1384-1391

*Müller, S.; Müller, K.:*

**Formation of microstructure during hot deformation of magnesium alloys**

XXV. Verformungskundliches Kolloquium, Planneralm, (2006), S. 215-238

*Müller, S.; Müller, K.; Rosumek, M.; Reimers, W.:*

**Microstructure development of differently extruded Mg alloys, Part I**

ALUMINIUM, International Journal for Industry, Research and Appl. 82, Heft 4, (2006), S. 327-331

*Müller, S.; Müller, K.; Rosumek, M.; Reimers, W.:*

**Microstructure development of differently extruded Mg alloys, Part II**

ALUMINIUM, International Journal for Industry, Research and Appl. 82, Heft 5, (2006), S. 438-442

*Nazmy, M.; Epishin, A.; Link, T.; Staubli, M.:*

**Degradation of single crystal nickel-base superalloys - A review**

in: Proceedings of the 8th Liege conference Materials for Advanced power Engineering 2006, edited by Jacqueline Lecomte-Beckers, (2006), S. 205-216

*Pyzalla, A. R.; Camin, B.; Lehrer, B.; Wichert, M.; Koch, A.; Zimnik, K.; Boller, E.; Reimers, W.:*

**In-situ observation of creep damage in Al-Al<sub>2</sub>O<sub>3</sub> MMCs by synchrotron X-ray tomography**

JCPDS-International Centre for Diffraction Data 2006, vol. 49, (2006), S. 73-78

*Pyzalla, A.; Camin, B.; Buslaps, T.; Di Michiel, M.; Kaminski, H.; Kottar, A.; Pernack, A.; Reimers, W.:*

**Combined diffraction and tomography reveal creep damage**

in: Highlights 2005, European Synchrotron Radiation Facility, (2006), S. 34-35

*Reetz, B.; Reimers, W.:*

**Formation and interpretation of micro residual stresses in cold deformed brass alloys**

Materials Science Forum 524-525, (2006), S. 937-942

*Reimers, W.; Camin, B.; Müller, S.; Reetz, B.:*

**Einfluss des Strangpressprozesses auf Mikrostruktur und Eigenschaften von Strangpressprodukten**

in: Strangpressen, Horst Gers, WILEY-VCH Verlag (2007), S. 199-212

*Rieselmoser, F.; Kilian, H.; Widlicki, P.; Thedja, W.W.; Müller, K.; Garbacz, H.; Kurzydowski, K.J.:*

**Co-Extrusion von Aluminium Magnesium Verbundwerkstoffen**

in: Strangpressen, Horst Gers, WILEY-VCH Verlag (2007), S. 248-257

*Schreyer, A.; Reimers, W.; Wroblewski, T.; Haibel, A.; Pyzalla, A.; Clemens, H.:*

**First autumn school on engineering material science with neutrons and synchrotron radiation**

Synchrotron Radiation News 19, No 1, (2006), S. 22-23

*Uhlmann, E.; Hühns, T.; Richarz, S.; Reimers, W.; Grigoriev, S.:*

**Development and application of coated ceramic cutting tools**

Advances in Science and Technology 45, (2006), S. 1155-1162

*Wild, E.; Reimers, W.:*

**Residual stresses and microstructure in the rail/wheel contact zone of a worn railway wheel**

Materials Science Forum 524-525, (2006), S. 911-916

*Wroblewski, T.; Bjeomikhov, A.; Hasse, B.:*

**Micro diffraction imaging of bulk polycrystalline materials**

Materials Science Forum 524-525, (2006), S. 273-278