

Publikationen 2015

Epishin, A.; Rodin, A.; Bokshstein, B.; Oder, G.; Link, T.; Svetlov, I.:

Interdiffusion in binary Ni-Re alloys

Physics of Metals and Metallography, 116, 2, 2015, S. 175-181

Gensch, F.; Gall, S.; Müller, S.:

Characterization of AZ31 and ME21 hollow extrusion process and microstructure of the weld seams

In: The 10th International Conference on Magnesium Alloys and Their Applications, 11.-16. Oktober 2015, Jeju, Korea, (2015), S. 478-486

Lentz, M.; Lapyeva, G.; Engler, O.:

Characterization of second-phase particles in two aluminium foil alloys

Journal of Alloys and Compounds, [doi:10.1016/j.jallcom.2015.11.111](https://doi.org/10.1016/j.jallcom.2015.11.111)

Lentz, M.; Klaus, M.; Beyerlein, I.; Zecevic, M.; Reimers, W.; Knezevic, M.:

In situ X-ray diffraction and crystal plasticity modeling of the deformation behavior of extruded Mg-Li-(Al) alloys: An uncommon tension-compression asymmetry

Acta Materialia, 86, (2015), S. 254-268

Lentz, M.; Klaus, M.; Wagner, M.; Fahrenson, C.; Beyerlein, I.; Zecevic, M.; Reimers, W.; Knezevic, M.:

Effect of age hardening on the deformation behavior of an Mg-Y-Nd alloy: In-situ X-ray diffraction and crystal plasticity modeling

Materials Science & Engineering A 628, (2015), S. 396-409

Negendank, M.; Taparli, U. A.; Gall, S.; Müller, S.; Reimers, W.:

Microstructural evolution of indirectly extruded seamless 6xxx aluminum tubes with axial variable wall thickness

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Nitschke, R.; Schmack, F.; Gall, S.; Müller, S.; Reimers, W.:

Extrusion and characterization of AZ31/AM30 hybrid magnesium profiles

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Paulisch, M.C.; Wanderka, N.; Haupt, M.; Selve, S.; Driehorst.; Reimers, W.:

The influence of heat treatments on the microstructure and the mechanical properties in commercial 7020 alloys

Materials Science & Engineering A 626, (2015), S. 254-262

Petrushin, N.; Hvatkiy, K.; Gerasimov, V.; Link, T.; Epishin, A.; Notze, G.; Gerstein, G.:

A single-crystal Co-base superalloy strengthened by precipitates: structure and mechanical properties

Advanced Engineering Materials, 17, 6, 2015, S. 755-760

Sanabria, V.; Müller, S.; Reimers, W.:

Friction modelling in long bearing channels during multi-hole extrusion of aluminium alloy

Materials Today: Proceedings, 2, (2015) S. 4820-4828

Uhlmann, E.; Henze, S.; Brömmelhoff, K.:

Influence of the built-up edge on the stress state in the chip formation zone during orthogonal cutting of AISI1045

Procedia CIRP, 31, 2015, S. 310-315

Uhlmann, E.; Sammler, F.; Meixner, M.; Heinrich, D.; Gansert, F.; Reimers, W.; Berger, D.; Rieck, I.:

Analysis of residual stresses and wear mechanism of HF-CVD diamond coated cemented carbide tools

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