

INM Publikationen: 2010

- Refereed Journal Publications
- Publications in Proceedings and other Documents

Refereed Journal Publications 2010

- [1] J. Adam, J. Dietz, M. Koch, M. Veith, Bonding of porous alumina structures with zirconia nanoparticles, *Materiały Ceramiczne / Ceramic materials* 62 (2010) 510-515.
- [2] E. Agiasofitou, M. Lazar, H.O.K. Kirchner, Generalized dynamics of moving dislocations in quasicrystals, *Journal of Physics: Condensed Matter* 22 (2010) 495401.
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- [4] H. Arora, Z. Li, H. Sai, M. Kamperman, S.C. Warren, U. Wiesner, Block copolymer directed nanoporous metal thin films, *Macromolecular Rapid Communications* 31 (2010) 1960-1964.
- [5] E. Arzt, Editorial, *Advanced Engineering Materials* 12 (2010) 333-334.
- [6] R. Bennewitz, K. Brörmann, P. Egberts, N.N. Gosvami, F. Hausen, C. Held, Nanotribology - Fundamental studies of friction and plasticity, *Advanced Engineering Materials* 12 (2010) 362-367.
- [7] L.F. Boesel, C. Greiner, E. Arzt, A. Del Campo, Gecko-inspired surfaces: a path to strong and reversible dry adhesives, *Advanced Materials* 22 (2010) 2125-2137.
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- [12] J.K. Deuschle, E.J. De Souza, E. Arzt, S. Enders, Nanoindentation studies on crosslinking and curing effects of PDMS, *International Journal of Materials Research* 101 (2010) 1014-1023.

- [13] M. Eder, N. Concors, E. Arzt, I.M. Weiss, Micropatterned polymer surfaces and cellular response of *Dictyostelium*, *Advanced Engineering Materials* 12 (2010) 405-411.
- [14] M. Eder, U. Lütz-Meindl, Analyses and localization of pectin-like carbohydrates in cell wall and mucilage of the green alga *Netrium digitus*, *Protoplasma* 243 (2010) 25-38.
- [15] M. Eder, U. Lütz-Meindl, I.M. Weiss, Non-invasive LC-PolScope imaging of biominerals and cell wall anisotropy changes, *Protoplasma* 246 (2010) 49-64.
- [16] N. Eswara-Prasad, D. Vogt, T. Bidlingmaier, A. Wanner, E. Arzt, Low cycle fatigue and creep-fatigue interaction in short fibre reinforced aluminium alloy composite, *Materials Science and Technology* 26 (2010) 1363-1372.
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$t\text{BuSi}\{\text{OSiMe}_2\}_y\text{OSiMe}_{3-x}\text{Cl}_3$ [$x = 0-3$; $y = 0-2$] sowie Synthese der Silanole $t\text{BuSi}\{(\text{OSiMe}_2)_x\text{OH}\}_3$ [$x = 1, 2$] und des bicyclischen Siloxans $t\text{BuSi}(\text{OSiMe}_2\text{O})_3\text{Si}t\text{Bu}$, Zeitschrift für Anorganische und Allgemeine Chemie 636 (2010) 1212-1221.

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