

Publikácie za rok 2010

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1. **CENIGA, L.:** Thermal stresses in two- and three-component anisotropic materials. *Acta Mechanica Sinica*, 26, 2010, s.695-709
2. **CENIGA, L.:** Thermal-Stress Induced Phenomena in Two-Component Material. Part II. *Acta Mechanica Sinica*, 26, 2010, s.101-106
3. **KOLLÁR, P. - HEGEDŮS, L. - FÜZER, J. - BUREŠ, R. - FÁBEROVÁ, M.:** AC magnetic properties of vitroperm based composite materials. *Acta Physica Polonica A*, 118, 2010, s.787-789
4. **PETRYSHYNETS, I. - KOVÁČ, F. - STOYKA, V. - BOŘUTA, J.:** Influence of microstructure evolution on the coercive forces in low silicon non-oriented steels. *Acta Physica Polonica A*, 118, 2010, s.1013-1014
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6. **STOYKA, V. - KOVÁČ, F. - PETRYSHYNETS, I. - SCHINDLER, I.:** Tracking the evolution of abnormal grain growth in grain-oriented electrical steels by coercivity measurements. *Acta Physica Polonica A*, 118, 2010, s.1015-1017
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8. **HRYHA, E. - GIERL, C. - NYBORG, L. - DANNINGER, H. - DUDROVÁ, E.:** Surface composition of the steel powders pre-alloyed with manganese. *Applied Surface Science*, 256, 2010, s.3946-3961
9. **LOFAJ, F. - NĚMEČEK, J. - BLÁHOVÁ, O.:** A comparative study of nanoindentation measurements on thin coatings. *Chemické listy*, 104, 2010, s.s271-s274
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19. **KLADKOVÁ, D. - ORIŇÁKOVÁ, R. - KRAJNÍKOVÁ, A. - KUPKOVÁ, M. - KABÁTOVÁ, M. - MARKUŠOVÁ, K.:** Preparation and compaction behaviour of poly(methylmethacrylate) coated iron microparticles. *Journal of Materials Science and Technology*, 26, 2010, s.454-460
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30. **DUDROVÁ, E. - KABÁTOVÁ, M. - MITCHELL, S.C. - BIDULSKÝ, R. - WRONSKI, A.S.:** Microstructure Evolution in Fe-Mn-C during Step Sintering. *Powder Metallurgy*. 53, 2010, s.244-250
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34. **HVIZDOŠ, P. - MESTRA, A. - ANGLADA, M.:** Effect of heat treatment on wear damage mechanisms in 3Y-TZP ceramics. *Wear*, 269, 2010, s.26-30
35. **TATARKO, P. - KAŠIAROVÁ, M. - DUSZA, J. - MORGIEL, J. - ŠAJGALÍK, P. - HVIZDOŠ, P.:** Wear resistance of hot-pressed Si₃N₄/SiC micro/nanocomposites sintered with rare-earth oxide additives. *Wear*, 269, 2010, s.867-874

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1. **MIŠKOVÁ, A.:** Kompaktizácia a vlastnosti práškových mikrokompozitných materiálov. Písomná práca k dizertačnej skúške. Košice : ÚMV SAV 2010, 99 s.
2. **FERDINANDY, M.:** Vplyv mechanizmu vzniku vrstiev nanášaných PVD metódami na ich štruktúru a vlastnosti. Písomná práca k dizertačnej skúške. Košice : ÚMV SAV 2010, 87 s.

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2. **KOTTFFER, D. - FERDINANDY, M. - DUSZA, J. - LOFAJ, F.:** Zariadenie pre vytváranie ochranných vrstiev na vnútorných plochách rotačných telies odparovaním látky elektrickým lúčom. Podaný patent č. PP 00151-2010. Banská Bystrica : ÚPV SR 2010

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34. **VARCHOLA, M. - BESTERCI, M. - SŮLLEIOVÁ, K.:** Stability of mechanical properties of Al-Al₄C₃ system at elevated temperatures and various annealing times and temperatures. Acta Metallurgica Slovaca Conference, 2010, no. 3, s.25-31
35. **MOLNÁROVÁ, M. - SAS, J. - KVAČKAJ, T. - MIŠIČKO, R. - VOJTKO, M.:** Structure investigation of multiphase C-Mn-Si steel after thermomechanical processing. Acta Metallurgica Slovaca Conference, 2010, no. 3, s.55-60
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41. **KUPKOVÁ, M. - ORIŇÁKOVÁ, R. - KLADEKOVÁ, D.:** Štúdium procesu nanášania binárneho Cu-Ni povlaku na železné častice a jeho vplyv na priebeh kompaktizácie. Transfer inovácií, 2010, 17, s.81-84
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7. **MANDZIEJ, S.T.** - **VÝROSTKOVÁ, A.** - **SOLAR, M.**: Accelerated Creep Testing of New Creep-Resisting Weld Metals. Welding in the World, 54, 2010, no. 7/8, s.R160-R172

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