

Scientific journals indexed in Current Contents

1. ORINÁKOVÁ, R. - ORINÁK, A. - ARLINGHAUS, H. - HELLWEG, S. - KUPKOVÁ, M. - KABÁTOVÁ, M.: Study of Coating Distribution onto Metallic Hollow Particles. *Applied Surface Science*, 252, 2006, p. 7030-7033 (IF 1,263)
2. MEDVECKÝ, I. - ŠTULAJTEROVÁ, R. - PARILÁK, L. - TRPČEVSKÁ, J. - ĎURIŠIN, J. - BARINOV, S.M.: Influence of Manganese on Stability and Particle Growth of Hydroxyapatite in Simulated Body Fluid. *Colloids and Surfaces A*, 281, 2006, p. 221-229 (IF 1,513)
3. ŠAJGALÍK, P. - LENČÉŠ, Z. - DUSZA, J.: Layered Composites with Self-Diagnostic Ability. *Composites B*, 37, 2006, p. 515-523 (IF 1,121)
4. BALLÓKOVÁ, B. - HVIZDOŠ, P. - BESTERCI, M. - ZUMDICK, M. - BÖHM, A.: Creep testing of MoSi₂-Bases Composites. *High Temperature Materials and Processes*, 25, 2006, 3, p. 139-142 (IF 0,262)
5. ĎURIŠIN, J. - ĎURIŠINOVÁ, K. - OROLÍNOVÁ, M. - BESTERCI, M.: Microstructure Stability of Al-Al₄C₃ Materials at Elevated Temperatures. *High Temperature Materials and Processes*, 25, 2006, 3, p. 149-155 (IF 0,262)
6. ŠAJGALÍK, P. - HNATKO, M. - LENČÉŠ, Z. - DUSZA, J. - KAŠIAROVÁ, M.: In Situ Preparation of Si₃N₄/SiC Nanocomposites for Cutting Tools Application. *International Journal of Applied Ceramic Technology*, 3, 2006, 1, p. 41-46 (IF 0,795)
7. ŠAJGALÍK, P. - HNATKO, M. - LOJANOVÁ, Š. - LENČÉŠ, Z. - PÁLKOVÁ, H. - DUSZA, J.: Microstructure, Hardness and Fracture Toughness Evolution of Hot-Pressed SiC/Si₃N₄ Nano/Micro Composite after High-Temperature Treatment. *International Journal of Materials Research*, 97, 2006, 6, p. 772-777 (IF 0,842)
8. ŠALAK, A. - VASILKO, K. - SELECKÁ, M. - DANNINGER, H.: New Short Time Face Turning Method for Testing the Machinability of PM Steels. *Journal of Materials Processing Technology*, 176, 2006, p. 62-69 (IF 0,592)
9. KUPKOVÁ, M. - KUPKA, M. - STROBL, S.: Determination of the Effective Young's Modulus of Cellular Materials from Hollow Bronze Spheres by means of Dynamic Resonant Method. *Journal of Materials Science*, 41, 2006, p. 7045-7051 (IF 0,901)
10. BARINOV, S.M. - RAU, J. - NUNZIANTE CESARO, S. - ĎURIŠIN, J. - FADEEVA, I. - FERRO, D. - MEDVECKÝ, I. - TRIONFETTI, G.: Carbonate Release from Carbonated Hydroxyapatite in the Wide Temperature Range. *Journal of Materials Science: Materials in Medicine*, 17, 2006, p. 597-604 (IF 1,248)
11. KUPKA, M. - KUPKOVÁ, M.: Size-Dependent Effective Flexural Modulus of Homogeneous Tubes with Different Tensile and Compressive Stiffnesses. *Journal of Physics D*, 39, 2006, p. 4097-4103 (IF 1,957)
12. KAŠIAROVÁ, M. - DUSZA, J. - HNATKO, M. - ŠAJGALÍK, P. - REECE, M.J.: Fractographic Montage for a Si₃N₄-SiC Nanocomposite. *Journal of the American Ceramic Society*, 89, 2006, p. 1752-1755 (IF 1,586)
13. KAŠIAROVÁ, M. - DUSZA, J. - HNATKO, M. - ŠAJGALÍK, P.: Microstructure and Fracture-Mechanical Properties of Carbon Derived Si₃N₄+SiC Nanomaterials. *Materials Science and Engineering C*, 26, 2006, p. 862-866 (IF 1,599)
14. KABÁTOVÁ, M. - DUDROVÁ, E. - WRONSKI, A.S.: Fracture Micromechanics of Static Subcritical Growth and Coalescence of Microcracks in Sintered Fe-1,5Cr-0,2Mo-0,7C Steel. *Powder Metallurgy*, 49, 2006, 4, p. 363-368 (IF 0,532)
15. ORINÁKOVÁ, R. - ORINÁK, A. - ARLINGHAUS, H. - HELLWEG, S. - KUPKOVÁ, M. - STREČKOVÁ, M.: TOF-SIMS Depth Profiling Study of Corrosion Propagation in Coated Hollow Spheres. *Surface and Interface Analysis*, 38, 2006, p. 833-837 (IF 1,209)
16. DUSZA, J. - HVIZDOŠ, P.: Fracture and Mechanical Properties of MoSi₂ and MoSi₂+SiC. *Kovové materiály*, 44, 2006, p. 251-258 (IF 0,973)
17. BESTERCI, M. - KVAČKAJ, T. - KOVÁČ, L. - SÜLLEIOVÁ, K.: Nanostructures and Mechanical Properties Developed in Copper by Severe Plastic Deformations. *Kovové materiály*, 44, 2006, p. 101-106 (IF 0,973)
18. LOFAJ, F.: Creep Mechanisms in Quasi-Plastic Silicon Nitride by Instrumented Indentation. *Journal of the European Ceramic Society*, 26, 2006, p. 3933-3942 (IF 1,567)
19. BESTERCI, M. - VELGOŠOVÁ, O.: The Influence of External Factors on Enhanced Plasticity of Al-Al₄C₃ Materials. *Science and Engineering of Composite Materials*, 13, 2006, 4, p. 283-290 (IF 0,172)
20. JANOVEC, J. - SVOBODA, M. - DOLINŠEK, J. - GODEC, M. - BURŠÍK, J. - DUSZA, J.: Microstructure Characterisation of Al₅Cr₂8Fe₇ Quasicrystalline Approximant. *Kovové materiály*, 44, 2006, p. 313-320

Scientific journals indexed in WOS

1. ŠAJGALÍK, P. - HNATKO, M. - LENČÉŠ, Z. - DUSZA, J. - KAŠIAROVÁ, M. - KOVALČÍK, J. - ŠÍDA, V.: Low Cost Si₃N₄/SiC Nanocomposites, Processing, RT and HT Properties. *Key Engineering Materials*, 317-318, 2006, p. 185-190 (IF 0,224-WOS)
2. DUSZA, J.: High Temperature Behaviour of Coatings and Layered Ceramics. *Key Engineering Materials*, 333, 2007, p. 167-176 (IF 0,224-WOS)
3. DORČÁKOVÁ, F. - JAN, V. - HEGEDUSOVÁ, L. - DUSZA, J.: Impression Creep in TBC and Advanced Ceramics Materials. *Key Engineering Materials*, 333, 2007, p. 281-284 (IF 0,224-WOS)
4. BESTERCI, M.: Preparation, Microstructure and Properties of Al-Al₄C₃ System Produced by Mechanical Alloying. *Materials and Design*, 27, 2006, p. 416-421 (IF 0,785-WOS)
5. BESTERCI, M. - VELGOSOVÁ, O.: The Influence of Factors on Superplastic Deformation of Al-Al₄C₃ Composites. *Materials and Design*, 27, 2006, p. 789-793 (IF 0,785-WOS)
6. HRYHA, E. - DUDROVÁ, E.: The Sintering Behaviour of Fe-Mn-C Powder System, Correlation between Thermodynamics and Sintering Process, Mn Distribution, and Microstructure. *Materials Science Forum*, 534-536, 2007, p. 761-764 (IF 0,399-WOS)
7. ŠEVČÍK, A. - MACURÁK, J. - ŠEVČÍKOVÁ, J.: High Temperature Mechanical Properties of the As-Cast Low Carbon Steels and their Prediction. *Metalurgija*, 45, 2006, 1, p. 17-20 (IF 0,185-WOS)
8. DUSZA, J. - KAŠIAROVÁ, M. - VYSOCKÁ, A. - ŠPAKOVÁ, J. - HNATKO, M. - ŠAJGALÍK, P.: Carbon Derived Si₃N₄+SiC Micro/Nano Composite. *Ceramic Transactions*, 190, 2006, p. 29-36

Other scientific journals

1. SELECKÁ, M. - SIMKULET, V.: Effect of Manganese and Carbon on Properties of Hybrid Fe-0,85Mo-Mn-C Steels. *Nauční izvestia*, 13, 2006, 3, p. 319-325
2. GEORGIEV, J. - SELECKÁ, M. - ĎURIŠIN, J. - GYUROV, S. - BENDERVA, E.: Formation of TiC from TiO₂ Coated by Hydrocarbon. *Nauční izvestia*, 13, 2006, 3, p. 89-93
3. CIAS, A. - SELECKÁ, M. - STOYTCHEV, M.: Theoretical and Experimental Study on the Static Tooth Bending Strength of Manganese Sintered Steel Gears. *Nauční izvestia*, 13, 2006, 3, p. 326-331
4. ŠEVČÍK, A. - ŠEVČÍKOVÁ, J.: Fractures of As-Cast Low-Carbon Steels in the Plasticity Degradation Area at High Testing Temperatures. *Journal of Metals, Materials and Minerals*, 16, 2006, p. 13-19
5. BESTERCI, M.: Kinetics of Carbonisation, Microstructure and Properties of Al-Al₄C₃ Systém Prepared by Mechanical Alloying. *Journal of Metals, Materials and Minerals*, 16, 2006, p. 7-11
6. BALLÓKOVÁ, B. - BESTERCI, M.: Mechanické vlastnosti kompozitov na báze MoSi₂. *Acta Mechanica Slovaca*, 10, 2006, 3, p. 77-82
7. FERDINANDY, M. - DUSZA, J. - ĎURIŠIN, J.: Nové možnosti technologických procesov PVD. *Acta Mechanica Slovaca*, 10, 2006, 4-A, p. 51-56
8. HAGAROVÁ, M. - ŠTĚPÁNEK, I. - JAKUBÉCZYOVÁ, D.: Stanovenie adhézno-kohéznych vlastností tenkých povlakov. *Acta Mechanica Slovaca*, 10, 2006, 4-A, p. 69-76
9. ŠEVČÍK, A. - ŠEVČÍKOVÁ, J.: Analýza poklesu zúženia pri vysokoteplotných skúškach liateho stavu nízkouhlíkových ocelí. *Acta Metallurgica Slovaca*, 12, 2006, p. 128-138
10. BIDULSKÁ, J. - KVAČKAJ, T. - VRCHOVINSKÝ, V. - BIDULSKÝ, R.: Hodnotenie tvárniteľnosti hliníkovej zlatiny 2014 pomocou ľahovej skúšky. *Acta Metallurgica Slovaca*, 12, 2006, p. 78-82
11. BLACH, J. - ŠEVC, P.: Vplyv deformácie za studena pred expozíciou na rázovú húževnatosť exponovanej ocele P91. *Acta Metallurgica Slovaca*, 12, 2006, p. 14-22
12. BIDULSKÝ, R. - RODZIŇÁK, D. - GUZANOVÁ, A. - BREZINOVÁ, J.: Vplyv spevňovania povrchu na odolnosť spekanej ocele proti únavovému porušeniu. *Acta Metallurgica Slovaca*, 12, 2006, p. 54-58
13. BESTERCI, M. - SPITAS, V. - MICHELIS, P. - SPITAS, C. - SÜLLEIOVÁ, K. - BALLÓKOVÁ, B. - KVAČKAJ, T.: Creepové charakteristiky hliníka a kompozitu Al-Al₄C₃ pri namáhaní šmykom. *Materiálové inžinierstvo*, 13, 2006, 1, p. 18-24
14. BIDULSKÝ, R. - PARILÁK, L.: Etapy procesu MIM. *Výrobné inžinierstvo*, 5, 2006, 3, p. 18-21
15. MRVA, P. - FERDINANDY, M. - KOTTFER, D.: Možnosti vytvárania tenkých vrstiev na hasiacich hardwaroch súčasnej leteckej techniky. *Výrobné inžinierstvo*, 5, 2006, 4, p. 73-75
16. BIDULSKÝ, R. - ACTIS-GRANDE, M.: Injekčné tvárnenie kovov. *Strojárstvo - Strojírenství*, 10, 2006, 9, p. 6-7
17. GEORGIEV, J. - SELECKÁ, M. - ĎURIŠIN, J. - GYUROV, S. - TEODOSIEV, D. - BENDERVA, E.: A New Precursor for Synthesis of Refractory Metal Carbides. *Powder Metallurgy Progress*, 6, 2006, 1, p. 26-33
18. KÖVES, T. - DUSZA, J. - De PORTU, G.: Residual Stresses and Fracture Toughness of an Al₂O₃/Al₂O₃+ZrO₂ Layered Ceramics. *Powder Metallurgy Progress*, 6, 2006, 1, p. 42-51

19. ĎURIŠINOVÁ, K. – ĎURIŠIN, J. – OROLÍNOVÁ, M.: Al₂O₃-Dispersion Strengthened Nanocrystalline Copper. Powder Metallurgy Progress, 6, 2006, 2, p. 75-79
20. VYSOCKÁ, A. – ŠPAKOVÁ, J. – DUSZA, J. – BALOG, M. – ŠAJGALÍK, P.: Mechanical Properties of Submicron Sized of SiC Ceramics. Powder Metallurgy Progress, 6, 2006, 2, p. 99-105
21. ČAJKOVÁ, L. – DUDROVÁ, E. – KABÁTOVÁ, M.: Lomová húzevnatosť Fe-1,5Cr-0,2Mo-(0,3-0,7)C spekanej ocele. Materiálové inžinierstvo, 13, 2006, 4, p. 24-29
22. BESTERCI, M. – KVAČKAJ, T. – KOVÁČ, L. – SÜLLEJOVÁ, K. – KULU, P.: Mechanical Properties and Fracture of Nanocopper by Severe Plastic Deformations. Proceedings of the Estonian Academy of Sciences-Engineering, 12, 2006, 4, p. 340-348
23. BESTERCI, M. - KVAČKAJ, T. - KOVÁČ, L. - SÜLLEJOVÁ, K. - KULU, P.: Mechanical Properties and Fracture of Nanocopper by Severe Plastic Deformations. Proceedings of the Estonian Academy of Sciences - Engineering, 12, 2006, 4, p. 340-348
24. HENŽEL, M. - KOVALČÍK, J. - DUSZA, J. - JUHÁSZ, A. - LENDVAI, J.: Instrumented Indentation of MoSi₂ Based Materials. Visnyk Lvivskoho Universytetu, ser. Physic, 2006, N 39, p. 253-260

Reviewed proceedings

1. SAVKOVÁ, J. - JAKUBÉCZYOVÁ, D. - BLÁHOVÁ, O.: Evaluation of TiAlN Single and Multilayers Deposited on Cold Working Steel. In: PhD 2006. 4th International PhD Conference on Mechanical Engineering. Plzeň, 11.-13.9.2006. Ed. J. Barták. Plzeň : Západočeská univerzita 2006, CD-ROM
2. JAKUBÉCZYOVÁ, D. - FÁBEROVÁ, M. - PARILÁK, I.: Utilization of Indentation Methods at a Study of Plasma Nitrided of PM High Speed Steels. In: Tool 06. 7th International Tooling Conference. Tooling Materials and their Applications from Research to Market. Vol. 2. Torino, 2.-5.5.2006. Ed. M. Rosso a kol.. Torino : Politecnico di Torino 2006, p. 339-344
3. PARILÁK, E. - JAKUBÉCZYOVÁ, D. - FÁBEROVÁ, M.: Mechanical Properties of Coated PM Tool Steels. In: Tool 06. 7th International Tooling Conference. Tooling Materials and their Applications from Research to Market. Vol. 2. Torino, 2.-5.5.2006. Ed. M. Rosso a kol.. Torino : Politecnico di Torino 2006, p. 205-212
4. DUSZA, J.: Fractography of Advanced Ceramics. Fractography 06. Conference with International Participation. Stará Lesná, 15.-18.10.2006. Ed. L. Parilák. Košice : ÚMV SAV 2006, p. 59-69
5. SÜLLEJOVÁ, K. - BESTERCI, M. - KVAČKAJ, T.: Analýza chovania sa medi po intenzívnych plastických deformáciách. In: Fractography 2006. Conference with International Participation. Stará Lesná, 15.-18.10.2006. Ed. L. Parilák. Košice : ÚMV SAV 2006, p. 519-522
6. HEGEDUSOVÁ, L. - DUSZA, J.: Cone Crack Formation and Contact Strength of MoSi₂ Based Materials. In: Fractography 2006. Conference with International Participation. Stará Lesná, 15.-18.10.2006. Ed. L. Parilák. Košice : ÚMV SAV 2006, p. 442-445
7. KABÁTOVÁ, M. - DUDROVÁ, E. - WRONSKI, A.S. - BIDULSKÝ, R.: Fatigue Crack Initiation and Short Crack Growth in Sintered Fe-1,5Cr-0,2Mo-0,7C Steel. In: Fractography 2006. Conference with International Participation. Stará Lesná, 15.-18.10.2006. Ed. L. Parilák. Košice : ÚMV SAV 2006, p. 27-39
8. DORČÁKOVÁ, F. - LOFAJ, F. - DUSZA, J.: Fractography of Oxynitride Glasses at the Contact Loading. In: Fractography 2006. Conference with International Participation. Stará Lesná, 15.-18.10.2006. Ed. L. Parilák. Košice : ÚMV SAV 2006, p. 427-430
9. BLACH, J. - ŠEVC, P. - BEVILAQUA, T.: Fraktografia nízkolegovanej ocele s TRIP efektom po porušení tāhovým namáhaním. In: Fractography 2006. Conference with International Participation. Stará Lesná, 15.-18.10.2006. Ed. L. Parilák. Košice : ÚMV SAV 2006, p. 235-241
10. BLACH, J. - ŠEVC, P.: Fraktografická analýza zlomených skrutiek ojnice spaľovacieho motora automobilu. In: Fractography 2006. Conference with International Participation. Stará Lesná, 15.-18.10.2006. Ed. L. Parilák. Košice : ÚMV SAV 2006, p. 341-347
11. BESTERCI, M. - VELGOSOVÁ, O. - IVAN, J.: Influence of External Factors on Fracture Mechanism of Al-Al₄C₃ Systém by ""In-Situ Tensile Test in SEM"" Methods. In: Fractography 2006. Conference with International Participation. Stará Lesná, 15.-18.10.2006. Ed. L. Parilák. Košice : ÚMV SAV 2006, p. 302-308
12. VYSOCKÁ, A. - ŠPAKOVÁ, J. - DUSZA, J. - BALOG, M. - ŠAJGALÍK, P.: Lomové vlastnosti SiC+Si₃N₄ kompozitov. In: Fractography 2006. Conference with International Participation. Stará Lesná, 15.-18.10.2006. Ed. L. Parilák. Košice : ÚMV SAV 2006, p. 431-435
13. STROBL, S. - GIERL, C. - KONEGGER, T. - KUPKOVÁ, M. - KABÁTOVÁ, M.: Microgradient Structures of Copper-Coated and Sintered Fe and Cr-Mo-Steel Powders. In: Fractography 2006. Conference with International Participation. Stará Lesná, 15.-18.10.2006. Ed. L. Parilák. Košice : ÚMV SAV 2006, p. 460-464

14. KOLLÁROVÁ, M. - DŽUPON, M. - LEŠKO, A. - PARILÁK, L.: The Shear Strength of Galvannealed Coatings on Ti-IF Steel. In: Fractography 2006. Conference with International Participation. Stará Lesná, 15.-18.10.2006. Ed. L. Parilák. Košice : ÚMV SAV 2006, p. 477-481
15. BENDERÉVA, E. - ĎURIŠIN, J. - GEORGIEV, N. - SELECKÁ, M. - GYUROV, S.: Using Hydrocarbons for Synthesis of Refractory Carbides. In: Fractography 2006. Conference with International Participation. Stará Lesná, 15.-18.10.2006. Ed. L. Parilák. Košice : ÚMV SAV 2006, p. 453-459
16. DŽUPON, M. - PARILÁK, L. - KOLLÁROVÁ, M.: Vplyv objemového podielu martenzitu na lomy DPS ocele mikrolegovanej V-Nb. In: Fractography 2006. Conference with International Participation. Stará Lesná, 15.-18.10.2006. Ed. L. Parilák. Košice : ÚMV SAV 2006, p. 469-472
17. BIDULSKÝ, R.: Prášková metalurgia železa a jeho zliaťin. In: Náuka o materiáli. Návody na cvičenia pre bakalárské štúdium. Ed. M. Mihaliková. Košice : TU 2006, p. 134-137
18. GIČ, P. - JAKUBÉCZYOVÁ, D. - PARILÁK, L.: Hodnotenie kvality povlakovanych reznych nástrojov vyrobenych práškovou metalurgiou. In: Nové smery vo výrobných technológiach 2006. 8. medzinárodná vedecká konferencia. Ed. J. Brychta a kol. Prešov, 22.-23.6.2006. Košice : TU 2006, p. 227-230
19. LIPČAK, P. - DŽUPON, M. - PARILÁK, L.: Mikroštruktúra a vlastnosti nízkouhlíkových dvojfázových ocelí. In: Nové smery vo výrobných technológiach 2006. 8. medzinárodná vedecká konferencia. Ed. J. Brychta a kol. Prešov, 22.-23.6.2006. Košice : TU 2006, p. 235-238
20. DUSZA, J.: High Temperature Behaviour of Coatings and Layered Ceramics. Layered, Functional Gradient Ceramics, and Thermal Barrier Coatings: Design, Fabrication and Applications. Ed. M. Anglada a kol. Maó, Minorca Island, 11.-16.6.2006. B.V. 2006, p. 227-241

Proceedings

1. BALLÓKOVÁ, B. - BESTERCI, M. - ZUMDICK, M.: Creep testing of MoSi₂ - Bases Nanocomposites. In: 1st Afro-Asian Conference on Advanced Materials Science and Technology. AMSAT 06. Cairo, 13.-16.11.2006. B.V. 2006, p. 377-381
2. BESTERCI, M. - KVAČKAJ, T. - KOVÁČ, L. - SÜLLEIOVÁ, K.: Mechanical Properties and Microstructure Developed in Nanocopper by Severe Plastic Deformations. In: 1st Afro-Asian Conference on Advanced Materials Science and Technology. AMSAT 06. Cairo, 13.-16.11.2006. B.V. 2006, p. 42-48
3. STOYKA, V. - KOVÁČ, F. - SIDOR, J.: The Effect of Temperature on Grain Growth Character in 3% Si Grain Oriented Steels. In: 1st Afro-Asian Conference on Advanced Materials Science and Technology. AMSAT 06. Cairo, 13.-16.11.2006. B.V. 2006, p. 425-434
4. KVAČKAJ, T. - ZEMKO, M. - KUSKULIC, T. - KOCISKO, R. - BESTERCI, M. - DOBATKIN, S. - MOLNÁROVÁ, M.: ECAP Experiments on IF Steel. In: Forming 2006. 13. międzynarodowa konferencja. Szczawnica, 13.-16.9.2006, p. 113-116
5. BLACH, J. - ŠEVC, P.: Precipitácia sekundárnych fáz v austenitických oceliach a jej vplyv na porušovanie pri znižených teplotách. In: Provozní degradace austenitických ventilových ocelí. Seminář se zahraniční účastí. Liberec, 9.10.2006. Liberec : Fakulta strojní TU 2006, p. 104-111
6. JAKUBÉCZYOVÁ, D. - SAVKOVÁ, J. - BLÁHOVÁ, O.: Hodnotenie vlastností tenkých vrstiev AlTiN a TiAlN multi aplikovaných na PM materiáloch. In: Vrstvy a povlaky 2006. Rožnov pod Radhoštěm, 10.-11.10.2006. Trenčín : Digital Graphics 2006, p. 72-75
7. FERDINANDY, M. - DUSZA, J. - ĎURIŠIN, J.: Rozšírenie možností PVD procesov o PE CVD sublimáciou karbonylov kovov. In: Vrstvy a povlaky 2006. Rožnov pod Radhoštěm, 10.-11.10.2006. Trenčín : Digital Graphics 2006, p. 120-123
8. KOLLÁROVÁ, M. - DŽUPON, M. - ĎURIŠIN, J.: Úloha inhibítorej vrstvy Fe-Al v povlakoch žíhaných žiarovo pozinkovaných oceľových plechov. In: Vrstvy a povlaky 2006. Rožnov pod Radhoštěm, 10.-11.10.2006. Trenčín : Digital Graphics 2006, p. 194-199
9. BIDULSKÝ, R. - RODZÍNÁK, D.: Vplyv speňovania povrchu na únavové vlastnosti spekanej ocele na báze Fe legovanej Cr a Mo s príďavkom 0,5%C. In: Letná škola únavy materiálov 2006. 8. Ročník. Žilina - Strečno, 4.-8.9.2006. Žilina : SjF ŽU 2006, p. 172-175
10. BLACH, J. - ŠEVC, P. - MRENA, J.: Fraktografia porušených súčasti leteckej techniky. In: Nové trendy rozvoja letectva. 7. medzinárodná vedecká konferencia. Košice, 6.-8.9.2006. Košice : SLI 2006, CD-ROM
11. ŠALAK, A. - SELECKÁ, M.: Machinability Testing. Machinability and Wear. In: Höganäs Chair Seminar 2006. Košice, 19.-20.5.2006, CD-ROM
12. PECHA, J. - VÝROSTKOVÁ, A. - BRZIAK, P.: Zvariteľnosť ocelí P911 a P92. In: Kotle a energetická zařízení. Jubilejný 15. ročník odborné konference s mezinárodní účastí. Brno, 13.-15.3.2006. B.V., CD-ROM
13. LOFAJ, F. - SELDIS, T. - NILSSON, K. - ERIKSSON, A.: Ultrasonic Study of Defects in Ductile Cast Iron Inserts for Spent Nuclear Fuel Disposal. In: ECNDT 2006. 9th European Conference on Non-Destructive Testing. Berlin, 25.-29.9.2006. B.V. 2006, CD-ROM

Proceedings of extended abstracts

1. **BESTERCI, M.** - SPITAS, V. - MICHELIS, P. - SPITAS, C. - **SÜLLEIOVÁ, K.** - **BALLÓKOVÁ, B.** - KVAČKAJ, T.: Creep of Al and Al-Al₄C₃ Materials. In: PM 2006. 2006 Powder Metallurgy World Congress. Extended Abstracts. Part 2. Busan, 24.-28.9.2006. Ed. Y.E.Kwang, K.Yong-Seog. Korean Powder Metallurgy Institute 2006, p. 1050-1051
2. **HYRHA, E.** - **DUDROVÁ, E.**: The Sintering Behaviour of Fe-Mn-C Powder System, Correlation between Thermodynamics and Sintering Process, Mn Distribution, and Microstructure. In: PM 2006. 2006 Powder Metallurgy World Congress. Extended Abstracts. Part 2. Busan, 24.-28.9.2006. Ed. Y.E.Kwang, K.Yong-Seog. Korean Powder Metallurgy Institute 2006, p. 839-840
3. **FERDINANDY, M.** - **DUSZA, J.** - **KAVEČANSKÝ, V.**: Influence of the Angle of Incidence of Ti Particle on the Texture of TiN Layers Prepared by EB PVD Method. In: Nanoved 2006 - NENAMAT. International Conference Advances in Nanostructured Materials, Processing - Microstructure - Properties. Abstracts. Stará Lesná, 14.-17.5.2006. B.V. 2006, p. 77
4. **VYSOCKÁ, A.** - **ŠPAKOVÁ, J.** - **DUSZA, J.** - **BALOG, M.** - **ŠAJGALÍK, P.**: Mechanical Properties of the Submicron Sized SiC Ceramics. In: Nanoved 2006 - NENAMAT. International Conference Advances in Nanostructured Materials, Processing - Microstructure - Properties. Abstracts. Stará Lesná, 14.-17.5.2006. B.V. 2006, p. 137
5. **KAŠIAROVÁ, M.** - **DUSZA, J.** - **HNATKO, M.**: Lifetime Prediction of Si₃N₄ Micro/Nanocomposites. In: Nanoved 2006 - NENAMAT. International Conference Advances in Nanostructured Materials, Processing - Microstructure - Properties. Abstracts. Stará Lesná, 14.-17.5.2006. B.V. 2006, p. 89
6. **CENIGA, L.**: Condition for Thermal-Stress Induced Cracking in Laminar System. In: Nanoved 2006 - NENAMAT. International Conference Advances in Nanostructured Materials, Processing - Microstructure - Properties. Abstracts. Stará Lesná, 14.-17.5.2006. B.V. 2006, p. 69
7. **BRUNCKOVÁ, H.** - **MEDVECKÝ, L.** - **MIHALIK, J.** - **ĎURIŠIN, J.**: Influence of Tartaric Acid in Nb-Complex on Phase Composition of PMN Precursors by Sol-Gel Synthesis. In: Nanoved 2006 - NENAMAT. International Conference Advances in Nanostructured Materials, Processing - Microstructure - Properties. Abstracts. Stará Lesná, 14.-17.5.2006. B.V. 2006, p. 68
8. **DORČÁKOVÁ, F.** - **HEGEDUSOVÁ, L.** - **KAŠIAROVÁ, M.** - **DUSZA, J.** - **HNATKO, M.** - **ŠAJGALÍK, P.**: Bending and Contact Strength of GPS Si₃N₄ + SiC Nanocomposite. In: Nanoved 2006 - NENAMAT. International Conference Advances in Nanostructured Materials, Processing - Microstructure - Properties. Abstracts. Stará Lesná, 14.-17.5.2006. B.V. 2006, p. 75
9. **ŠTULAJTEROVÁ, R.** - **MEDVECKÝ, L.**: The Treatment of Manganese Doped Hydroxyapatite in Simulated Body Fluid. In: Nanoved 2006 - NENAMAT. International Conference Advances in Nanostructured Materials, Processing - Microstructure - Properties. Abstracts. Stará Lesná, 14.-17.5.2006. B.V. 2006, p. 128
10. **ĎURIŠIN, J.** - **ĎURIŠINOVÁ, K.** - **OROLÍNOVÁ, M.**: Al₂O₃-dispersion Strengthened Nanocrystalline Cooper. In: Nanoved 2006 - NENAMAT. International Conference Advances in Nanostructured Materials, Processing - Microstructure - Properties. Abstracts. Stará Lesná, 14.-17.5.2006. B.V. 2006, p. 76
11. **ŠPAKOVÁ, J.** - **VYSOCKÁ, A.** - **DUSZA, J.** - **HNATKO, M.** - **ŠAJGALÍK, P.**: Indentation Tests of Si₃N₄-SiC Nanocomposites. In: Nanoved 2006 - NENAMAT. International Conference Advances in Nanostructured Materials, Processing - Microstructure - Properties. Abstracts. Stará Lesná, 14.-17.5.2006. B.V. 2006, p. 127
12. **BESTERCI, M.** - KVAČKAJ, T. - **KOVÁČ, L.** - **SÜLLEIOVÁ, K.**: Nanostructures and Mechanical Properties Developed in Cooper by Severe Plastic Deformations. In: Nanoved 2006 - NENAMAT. International Conference Advances in Nanostructured Materials, Processing - Microstructure - Properties. Abstracts. Stará Lesná, 14.-17.5.2006. B.V. 2006, p. 66
13. **MOCKOVČIAKOVÁ, A.** - **MATIK, M.** - **OROLÍNOVÁ, M.**: Structural Properties of Natural Zeolite Modified by Iron Oxide Nanoparticles. In: Nanoved 2006 - NENAMAT. International Conference Advances in Nanostructured Materials, Processing - Microstructure - Properties. Abstracts. Stará Lesná, 14.-17.5.2006. B.V. 2006, p. 107

Lectures and posters at scientific meetings with abroad attendance at least 30 %

1. **BRUNCKOVÁ, H.** - **KOVAL' V.** - **MEDVECKÝ, L.** - **MIHALIK, J.**: Acetate Sol-Gel Synthesis Prepared Precursors for PZT and PMN Ceramics. In: Piezoceramics for End-Users 2. Polecer International Conference. Abstracts. Lillehammer, 5.-8.3.2006. B.V. 2006

2. MEDVECKÝ, L. - ŠTULAJTEROVÁ, R. - PARILÁK, L.: Preparation of Porous Calcium Phosphates for Drug Release. In: Biomaterials in Regenerative Medicine. International Conference. Abstracts. Vienna, 22.-25.10.2006. B.V. 2006, p. 64
3. KOVAL, V. - REECE, M.J. - BUSHBY, A. - DUSZA, J.: Local Switching Behaviour and Electrical Polarization of Ferroelectric Thin Films under Nanoindentation. In: Electroceramics. Book of Abstracts. Toledo, 18.-22.6.2006. ECERS 2006, p. 256
4. STOYKA, V. - SIDOR, J. - KOVÁČ, F.: Effect of Second Phase Particles Topology on the Onset Temperature of Abnormal Grain Growth in Fe-3%Si Steels. In: Metalurgija, 45, 2006, 3, p. 201
5. ČAJKOVÁ, L. - KABÁTOVÁ, M. - DUDROVÁ, E.: Failure Resistance and Fracture Toughness of Fe-Cr-Mo Sintered Steels. In: Metalurgija, 45, 2006, 3, p. 198
6. KOLLÁROVÁ, M. - DŽUPON, M. - LEŠKO, A. - PARILÁK, L.: Formation of Outburst Structure in Hot Dip Galvannealed Coatings on IF Steels. In: Metalurgija, 45, 2006, 3, p. 196
7. ŠEVČÍK, A. - ŠEVČÍKOVÁ, J.: Fracture Behaviour of Low Carbon Steels in the As-Cast State at High Temperature. In: Metalurgija, 45, 2006, 3, p. 202
8. ŠEVČÍK, A. - MACURÁK, J. - ŠEVČÍKOVÁ, J.: High Temperature Mechanical Properties of the As-Cast Low Carbon Steels and their Prediction. In: Metalurgija, 45, 2006, 3, p. 204
9. ŠEVČÍK, A.: High Temperature Strength Analysis of Low CarbonSteels in the As-Cast State. In: Metalurgija, 45, 2006, 3, p. 204
10. DORČÁKOVÁ, F. - JAN, V. - DUSZA, J.: Indentation and Compressive Creep Tests for Determination of Glass Viscosity. In: Metalurgija, 45, 2006, 3, p. 219
11. HRYHA, E. - DUDROVÁ, E. - BIDULSKÝ, R.: Influence of Powder Morphology on Compressibility of Prealloyed Atomized Powders. In: Metalurgija, 45, 2006, 3, p. 198
12. ŠEVČÍKOVÁ, J. - ŠEVČÍK, A.: Metallographic Analysis of Materials Used in Power Engineering Equipment. In: Metalurgija, 45, 2006, 3, p. 204
13. SIDOR, J. - KOVÁČ, F. - PETRYCHKA, V.: Secondary Recrystallization in Non-Oriented Electrical Steels. In: Metalurgija, 45, 2006, 3, p. 200
14. ŠEVČÍK, A. - ŠEVČÍKOVÁ, J.: Statistical Calculation of the Reduction of Area Values Drop at High Temperature Tetsing of Low Carbon Steels in the As-Cast State. In: Metalurgija, 45, 2006, 3, p. 202
15. BIDULSKÝ, R. - DUDROVÁ, E.: The Behaviour of Manganese Powders during Pressing. In: Metalurgija, 45, 2006, 3, p. 198

Other lectures and posters

1. SELECKÁ, M. - SIMKULET, V.: Mechanical Properties of Sintered Manganese-Molybdenum-Carbon Steels. In: Metal Powder Report, 61, 2006, 8, p. 43
2. KABÁTOVÁ, M. - STROBL, S.: Properties Structure and Fractography of Sintered Low Alloy Chromium-Molybdenum-Manganese Steels. In: Metal Powder Report, 61, 2006, 8, p. 43
3. JAKUBÉCZYOVÁ, D. - JURČI, P. - FÁBEROVÁ, M.: Surface Modification of PM High Speed Steels. In: Metal Powder Report, 61, 2006, 8, p. 47

PhD Thesis

1. HRYHA, E.: Fundamental Study of Mn Containing PM Steels with Alloying Method of Both Premix and Pre-Alloy. Písomná práca k dizertačnej skúške. Košice : ÚMV SAV 2006, 79 p.
2. ŠPAKOVÁ, J.: Indentačné metódy štúdia vlastností konštrukčných keramických materiálov. Písomná práca k dizertačnej skúške. Košice : ÚMV SAV 2006, 64 p.
3. ČAJKOVÁ, L.: Pevnosť a húževnatosť moderných vysokopevných spekaných ocelí. Písomná práca k dizertačnej skúške. Košice : ÚMV SAV 2006, 87 p.
4. VYSOCKÁ, A.: Štúdium mikroštruktúry a mechanických vlastností materiálov na báze SiC. Písomná práca k dizertačnej skúške. Košice : ÚMV SAV 2006, 73 p.
5. STOYKA, V.: Grain Boundary Motion and Microstructure Designing in Progressive Electrical Steels. Písomná práca k dizertačnej skúške. Košice : ÚMV SAV 2006, 107 p.