

2008

ŠALAK, A. - MIŠKOVIČ, V. - **DUDROVÁ, E.** - RUDNAYOVÁ, E.: The Dependence of Mechanical Properties of Sintered Iron Compacts upon Porosity. Powder Metallurgy International, 6, 1974, s.128-132

Scopus: SULOWSKI, M., DUDEK, P.: Archives of Metallurgy and Materials, 53, 2008, 3, p. 827-838

ŠLESÁR, M. - JANGG, G. - **BESTERCI, M.**: Festigkeit und Bruch Dispersionsgehärteter Cu-Al₂O₃-Werkstoffe. Zeitschrift für Metallkunde, 72, 1981, s.423-427

Zahr.WOS: RAJKOVIC, V., BOZIC, D., JOVANOVIC, MT.: Journal of Alloys and Compounds, 459, 2008, 1/2, s. 177-184

DUSZA, J. - PARILÁK, L. - DIBLÍK, J. - ŠLESÁR, M.: Elastic and Plastic Behaviour of WC-Co Composites. Ceramics International, 9, 1983, 4, s.144-147

Zahr.WOS: ZHANG, H., FANG, ZGZ.: International Journal of Refractory Metals and Hard Materials, 26, 2008, 2, s. 106-114

ŠLESÁR, M. - **DUSZA, J.** - PARILÁK, L.: Micromechanics of Fracture in WC-Co Hardmetals. In: Science of Hard Materials. Proceedings of the International Conference. Rhodes, 23.-28.9.1984. Ed. E.A.Almond a kol.. Vristol, Adam Hilger Ltd. 1984, s.657-668

Zahr.WOS: SHATOV, AV., PONOMAREV, SS., FIRSTOV, SA.: International Journal of Refractory Metals and Hard Materials, 26, 2008, 2, s. 68-76

Scopus: TOLOCHIN, AI., LAPTEV, AV., GOLOVKOVA, ME., KOVALCHENKO, MS.: Powder Metallurgy and Metal Ceramics, 47, 2008, 5/6, p. 316-323

SCHALUNOV, J. - ŠLESÁR, M. - **BESTERCI, M.** - OPPENHEIM, H. - JANGG, G.: Einfluss der Herstellungsbedingungen auf die Eigenschaften von dispersionsverfestigten Al-Al₄C₃-Werkstoffen. Metall, 40, 1986, 6, s.601-605

Dom.iné: VELGOSOVÁ, O., MIŠKUFOVÁ, A., LAUBERTO VÁ, M.: Acta Metallurgica Slovaca, 14, 2008, 1, s. 103-112

JANGG, G. - ŠLESÁR, M. - **BESTERCI, M.** - ĎURIŠIN, J. - SCHRODER, K.: Influence of Heat Treatment during Manufacturing of Al-Al₄C₃ Materials on Microstructure and Properties. Powder Metallurgy International, 21, 1989, 5, s.25-30

Scopus: BOSTAN, B.: Journal of the Faculty of Engineering and Architecture of Gazi University, 23, 2008, 2, p. 343-348

JANOVEC, J. - MAGULA, V. - HOLÝ, A.: Vplyv krátkodobého vysokoteplotného popúšťania na kinetiku karbidických reakcií v oceli 2,7Cr-0,6Mo-0,3V. Kovové materiály, 30, 1992, 1, s.44-53

Zahr.WOS: VACH, M., KUNIKOVÁ, T., DOMANKOVÁ, M.: Materials Characterization, 59, 2008, 12, p. 1792-1798

ŠLESÁR, M. - **DUDROVÁ, E.** - RUDNAYOVÁ, E.: Plain Porosity as a Microstructural Characteristics of Sintered Materials. Powder Metallurgy International, 24, 1992, 4, s.232-237

Zahr.WOS: MONTES, JM., CUEVAS, FG., CINTAS, J.: Applied Physics A, 92, 2008, 2, s. 375-380

DUDROVÁ, E. - **KABÁTOVÁ, M.** - MOLNÁR, F.: Sintering of Fe-Cu Systems Activated by the Liquid Phase. Powder Metallurgy Science and Technology, 3, 1992, 2, s.18-25

Zahr.iné: STROBL, S., WAGESREITHER, J., GIERL, C., KUPKOVÁ, M., KUPKA, M., CERNY, M.: PM Auto '08. 5th International Congress on Powder Metallurgy for Automotive Parts. Isfahan, 6.-8.4.2008, CD ROM

KUPKOVÁ, M.: Porosity Dependence of Material Elastic Moduli. Journal of Materials Science, 28, 1993, s.5265-5268

Zahr.iné: McHUGH, KM., UHLENWINKEL, V., ELLENDT, N.: 2008 World Congress on Powder Metallurgy and Particulate Materials. June, 2008

Zahr.WOS: HUBER, N., TYULYUKOVSKIY, E., SCHNEIDER, HC.: Journal of Nuclear Materials, 377, 2008, 2, p. 352-358

- RUDNAYOVÁ, E. - **DUSZA, J.** - **KUPKOVÁ, M.**: Comparison of Fracture Toughness Measuring Methods Applied on Silicon Nitride Ceramics. *Journal de Physique IV*, 3, 1993, s.1273-1276
Scopus: MIYAZAKI, H., HYUGA, H., YOSHIKAWA, YI., HIRAO, K., OHJI, T.: *Ceramic Engineering and Science Proceedings*, 28, 2008, 2, p. 433-442
- JANOVEC, J.** - **VÝROSTKOVÁ, A.** - SVOBODA, M.: Influence of Tempering Temperature on Stability of Carbide Phases in 2,6Cr-0,7Mo-0,3V Steel with Various Carbon Content. *Metallurgical Transactions A*, 25, 1994, s.267-275
Zahr.WOS: SHEN, YZ., KIM, SH., HAN, CH.: *Journal of Nuclear Materials*, 374, 2008, 3, s. 403-412
- ZÁHUMENSKÝ, P. - **JANOVEC, J.** - **BLACH, J.**: Some Aspects of Tempered Martensite Embrittlement in 3Cr-Mo-V Steel. *ISI International*, 34, 1994, 6, s.536-540
Zahr.iné: MESQUITA, RA., BARBOSA, CA., GONCALVES, CS., KESTENBACH, HJ.: *Tecnologia em Metalurgia e Materiais*, Sao Paulo, 4, 2008, 4, p. 7-15
- ŠEVC, P.** - **JANOVEC, J.** - **KATANA, V.**: On Kinetics of Phosphorus Segregation in Cr-Mo-V Low Alloy Steel. *Scripta Metallurgica et Materialia*, 31, 1994, 12, s.1673-1678
Zahr.WOS: WU, J., SONG, SH., WENG, LQ., XI, TH., YUAN, ZX.: *Materials Characterization*, 59, 2008, 3, s. 261-265
Zahr.WOS: LEJČEK, P., HOFMANN, S.: *Crit.Rev.Solid State Mater.Sci.*, 33, 2008, p. 133-163
- DUDROVÁ, E.** - **KABÁTOVÁ, M.** - MOLNÁR, F. - **BUREŠ, R.**: Direct Vacuum Sintering Behaviour of M2 High Speed Steel Powder with Copper and Graphite Additions. *Powder Metallurgy*, 37, 1994, 3, s.206-211
Scopus: ZHOU, R., WANG, DJ., SHEN, J., SUN, JF.: *Transactions of Materials and Heat Treatment*, 29, 2008, 3, p. 85-89
- BALÁŽ, P. - BRIANČIN, J. - BASTL, Z. - **MEDVECKÝ, L.** - ŠEPELÁK, V.: Properties of Mechanochemically Pretreated Precursors of Doped BaTiO₃ Ceramics. *Journal of Materials Science*, 29, 1994, s.4847-4851
Zahr.WOS: MARKOVIC, S., MITRIC, M., STARCEVIC, G., USKOKOVIC, D.: *Ultrasonics Sonochemistry*, 15, 2008, 1, s. 16-20
- BESTERCI, M.**: Structure Analysis of Dispersion Strengthening. *Scripta Metallurgica et Materialia*, 30, 1994, 9, s.1145-1150
Zahr.WOS: ESPINOZA, RG., PALMA, RH., SEPULVEDA, AO.: *Materials Science and Engineering A*, 498, 2008, p. 397-403
- ŠEVC, P.** - **JANOVEC, J.** - KOUTNÍK, M. - **VÝROSTKOVÁ, A.**: Equilibrium Grain Boundary Segregation of Phosphorus in 2,6Cr-0,7Mo-0,3V Steels. *Acta Metallurgica et Materialia*, 43, 1995, 1, s.251-258
Zahr.WOS: SONG, SH., ZHUANG, H., WU, J.: *Materials Science and Engineering A*, 486, 2008, 1/2, s. 433-438
Zahr.WOS: WU, J., SONG, SH., WENG, LQ., XI, TH., YUAN, ZX.: *Materials Characterization*, 59, 2008, 3, s. 261-265
Zahr.WOS: DING, R., KNOTT, J.: *Materials Science and Technology*, 24, 2008, 10, p. 1189-1194
- ŠAJGALÍK, P. - **DUSZA, J.** - HOFFMANN, M.J.: Relationship between Microstructure Toughening Mechanisms and Fracture Toughness of Reinforced Beta-Si₃N₄ Ceramics. *Journal of the American Ceramic Society*, 78, 1995, 10, s.2619-2624
Zahr.WOS: GENOVA, LA., IZHEVSKYI, VA., BRESSIANI, JC.: *Journal of the European Ceramic Society*, 28, 2008, 1, p. 295-301
Zahr.WOS: KALANTAR, M., FANTOZZI, G.: *Materials Science and Engineering A*, 472, 2008, 1/2, p. 273-280
Zahr.WOS: da SILVA, CRM., NETO, FL., ARAUJO, JA., dos SANTOS, C.: *Materials Science and Engineering A*, 485, 2008, 1/2, p. 422-427
Zahr.WOS: BELMONTE, M., MIRANZO, P., OSENDI, MI.: *Powder Technology*, 182, 2008, 3, s. 364-367
- ŠEVC, P.** - **JANOVEC, J.** - LUCAS, M. - GRABKE, H.J.: Kinetics of Phosphorus Segregation in 2,7Cr-0,7Mo-0,3V Steels with Different Phosphorus Contents. *Steel Research*, 66, 1995, 12, s.537-542
Zahr.WOS: ZHENG, L., XU, TD., DENG, Q.: *Materials Letters*, 62, 2008, 1, s. 54-56
Zahr.WOS: WANG, K., WANG, MQ., SI, H.: *Materials Science and Engineering A*, 485, 2008, 1/2, s. 347-351

DUSZA, J. - ŠAJGALÍK, P. - RUDNAYOVÁ, E. - **HVIZDOŠ, P.** - LENCĚŠ, Z.: Fracture Characterization of Silicon Nitride Based Layered Composites. In: Fracture Mechanics of Ceramics. Vol.12. New York, Plenum Press 1996, s.383-398

Zahr.WOS: KUSUNOSE, T., SAKAYANAGI, N., SEKINO, T.: Journal of Nanoscience and Nanotechnology, 8, 2008, 11, p. 5846-5853

DUDROVÁ, E. - **SELECKÁ, M.** - **BUREŠ, R.** - **KABÁTOVÁ, M.**: Effect of Boron Addition on Microstructure and Properties of Sintered Fe-1,5Mo Powder Materials. ISIJ International, 37, 1997, 1, s.59-64

Zahr.WOS: CABRAL-MIRAMONTES, JA., BARCEINAS-SANCHEZ, JDO., VELEZ-JACOBO, L.: Revista de Metalurgia, 44, 2008, 6, p. 493-502

DUSZA, J. - ESCHNER, T. - RUNDGREN, K.: Hardness Anisotropy in Bimodal Grained Gas Pressure Sintered Si₃N₄. Journal of Materials Science Letters, 16, 1997, s.1664-1667

Zahr.WOS: BELMONTE, M., De PABLOS, A., OSENDI, MI.: Materials Science and Engineering A, 475, 2008, 1/2, s, 185-189

Zahr.WOS: ZHU, XW., SAKKA, Y.: Science and Technology of Advanced Materials, 9, 2008, 3, 033001

BESTERCI, M. - ŠLESÁR, M. - KOVÁČ, L.: Influence of Strain Rate on Fracture of Dispersion Strengthened Al-Al₄C₃ Systems. Scripta Materialia, 37, 1997, 7, s.1077-1080

Scopus: BOSTAN, B.: Journal of the Faculty of Engineering and Architecture of Gazi University, 23, 2008, 2, p. 343-348

VÝROSTKOVÁ, A. - KROUPA, A. - **JANOVEC, J.** - SVOBODA, M.: Carbide Reactions and Phase Equilibria in Low Alloy Cr-Mo-V Steels Tempered at 773-993 K. Part I: Experimental Measurements. Acta Materialia, 46, 1998, 1, s.31-38

Zahr.WOS: CENIGA, L.: Journal of Thermal Stresses, 31, 2008, 9, p. 862-891

Zahr.WOS: CENIGA, L.: Journal of Thermal Stresses, 31, 2008, 8, p. 728-758

Zahr.WOS: PALCUT, M., VACH, M., CICKA, R.: Archives of Metallurgy and Materials, 53, 2008, 4, p. 1157-1164

Scopus: DAI, YM., MA, YQ., ZHANG, Y., YU, T., ZHANG, ZP.: Heat Treatment of Metals, 33, 2008, 5, s. 19-22

Zahr.WOS: CENIGA, L.: Acta Mechanica Sinica, 24, 2008, 2, s. 189-206

KROUPA, A. - **VÝROSTKOVÁ, A.** - SVOBODA, M. - **JANOVEC, J.**: Carbide Reactions and Phase Equilibria in Low Alloy Cr-Mo-V Steels Tempered at 773-993 K. Part II: Theoretical Calculations. Acta Materialia, 46, 1998, 1, s.39-49

Scopus: DAI, YM., MA, YQ., ZHANG, Y., YU, T., ZHANG, ZP.: Heat Treatment of Metals, 33, 2008, 5, s. 19-22

JANOVEC, J. - SVOBODA, M. - **BLACH, J.**: Evolution of Secondary Phases during Quenching and Tempering 12% Cr Steel. Materials Science and Engineering A, 249, 1998, s.184-189

Zahr.WOS: YOSHINO, M., MISHINA, Y., TODA, Y.: Materials at High Temperatures, 25, 2008, 3, p. 149-158

BESTERCI, M. - IVAN, J.: The Mechanism of the Failure of the Dispersion-Strengthened Cu-Al₂O₃ System. Journal of Materials Science Letters, 17, 1998, s.773-776

Zahr.WOS: RAJKOVIC, V., BOZIC, D., JOVANOVIC, MT.: Journal of Alloys and Compounds, 459, 2008, 1/2, s. 177-184

ROSENBERG, G.: The size of plastic zones and fatigue crack growth behaviour of three forms of a Ti-6Al-2.5Mo-1.5Cr alloy. Fatigue and Fracture of Engineering Materials and Structures, 21, 1998, s.727-739

Zahr.WOS: BENEDETTI, M., FONTANARI, V., LÜTJERING, G., ALBRECHT, J.: Engineering Fracture Mechanics, 75, 2008, s. 169-187

DUSZA, J. - STEEN, M.: Fractography and Fracture Mechanics Property Assessment of Advanced Structural Ceramics. In: International Materials Reviews, 44, 1999, s.165-216

Zahr.WOS: HARIMKAR, SP., DAHOTRE, NB.: Scripta Materialia, 58, 2008, 7, s. 545-548

PERHÁČOVÁ, J. - **VÝROSTKOVÁ, A.** - **ŠEVC, P.** - **JANOVEC, J.** - GRABKE, H.J.: Phosphorus Segregation in CrMoV Low-Alloy Steels. Surface Science, 454-456, 2000, s.642-646

Zahr.WOS: SONG, SH., ZHUANG, H., WU, J.: Materials Science and Engineering A, 486, 2008, 1/2, s. 433-438

Zahr. WOS: WU, J., SONG, SH., WENG, LQ., XI, TH., YUAN, ZX.: *Materials Characterization*, 59, 2008, 3, s. 261-265

JANOVEC, J. - GRMAN, D. - PERHÁČOVÁ, J. - LEJČEK, P. - PATSCHEIDER, J. - ŠEVC, P.: Thermodynamics of Phosphorus Grain Boundary Segregation in Polycrystalline Low-Alloy Steels. *Surface and Interface Analysis*, 30, 2000, 1, s.354-358

Zahr. WOS: SONG, SH., ZHUANG, H., WU, J.: *Materials Science and Engineering A*, 486, 2008, 1/2, s. 433-438

Zahr. WOS: WU, J., SONG, SH., WENG, LQ., XI, TH., YUAN, ZX.: *Materials Characterization*, 59, 2008, 3, s. 261-265

ŠALAK, A. - SELECKÁ, M. - KERESTI, R. - PARILÁK, L.: Mechanical Properties of Sintered Fe-Mn-Cr-Mo-V Steels. In: 2000 Powder Metallurgy World Congress. PM 2000. Part 1. Kyoto, 12.-16.11.2000. Ed. K.Kosuge, H.Nagai, s.9-12

Zahr. WOS: CAMPOS, M., BLANCO, L., SICRE-ARTALEJO, J., TORRALBA, JM.: *Revista de Metalurgia*, 44, 2008, 1, s. 5-12

ŠAJGALÍK, P. - HNATKO, M. - LOFAJ, F. - HVIZDOŠ, P. - DUSZA, J. - WARBICHLER, P. - HOFFER, F. - RIEDEL, R. - LECOMTE, E. - HOFFMANN, M.J.: SiC/Si₃N₄ Nano/Micro-Composite-Processing, RT and HT Mechanical Properties. *Journal of the European Ceramic Society*, 20, 2000, s.453-462

Zahr. WOS: HUANG, C., ZOU, B., LIU, H.: *Key Engineering Materials*, 375-376, 2008, s. 128-132

Zahr. WOS: LEE, SH., WEINMANN, M., GERSTEL, P.: *Journal of Materials Research*, 23, 2008, 6, s. 1713-1721

Zahr. WOS: YANG, WY., GAO, FM., WANG, HT.: *Journal of the American Ceramic Society*, 91, 2008, 4, s. 1312-1315

Zahr. WOS: KONCSIK, Z., MAROS, MB., KUZSELLA, L.: *Materials Science Forum*, 589, 2008, p. 403-408

BESTERCI, M. - IVAN, J. - KOVÁČ, L.: Influence of Al₂O₃ Particles Volume Fraction on Fracture Mechanism in the Cu-Al₂O₃ System. *Materials Letters*, 46, 2000, s.181-184

Zahr. WOS: MUELLER, R., ROSSOLL, A., WEBER, L.: *Acta Materialia*, 56, 2008, 16, p. 4402-4416

Zahr. WOS: GUO, MX., WANG, MP., ZHANG, Z.: *Rare Metal Materials and Engineering*, 37, 2008, 3, s. 480-484

BESTERCI, M.: Dispersion-Strengthened Aluminium Prepared by Mechanical Alloying. *International Journal of Materials and Product Technology*, 15, 2000, 3-5, s.356-408

Zahr. WOS: RAMIREZ-CANO, PG., ESTRADA-GUEL, I., MENDOZA-RUIZ, DC.: *Reviews on Advanced Materials Science*, 18, 2008, 3, p. 276-279

CLAUBERG, E. - **JANOVEC, J.** - UEBING, C. - VIEFHAUS, H. - GRABKE, H.J.: Surface Segregation on Fe-25%Cr-2%Ni-0,14%Sb-N,S(100) Single Crystal Surfaces. *Applied Surface Science*, 161, 2000, s.35-46

Zahr. WOS: JUSSILA, P., LAHTONEN, K., LAMPIMAKI, M.: *Surface and Interface Analysis*, 40, 2008, 8, p. 1149-1156

ZÁHUMENSKÝ, P. - TULEJA, S. - ORSZÁGHOVÁ, J. - **JANOVEC, J.** - MAGULA, V.: Changes in Corrosion Resistance of 18%Cr-12%Ni-Type Stainless Steels after Sensitization. *Corrosion Science*, 57, 2001, s.874-883

Zahr. WOS: VACH, M., KUNIKOVÁ, T., DOMANKOVÁ, M.: *Materials Characterization*, 59, 2008, 12, p. 1792-1798

BESTERCI, M. - IVAN, J. - KOVÁČ, L.: Influence of Particles in Cu-Al₂O₃ system on Fracture Mechanism. *Materials Science and Engineering A*, 319-321, 2001, s.667-670

Zahr. WOS: MUELLER, R., ROSSOLL, A., WEBER, L.: *Acta Materialia*, 56, 2008, 16, p. 4402-4416

PERHÁČOVÁ, J. - GRMAN, D. - SVOBODA, M. - PATSCHEIDER, J. - **VÝROSTKOVÁ, A.** - **JANOVEC, J.**: Microstructural Aspects of Phosphorus Grain Boundary Segregation in Low Alloy Steels. *Materials Letters*, 47, 2001, s.44-49

Zahr. WOS: DING, R., KNOTT, J.: *Materials Science and Technology*, 24, 2008, 10, p. 1189-1194

Zahr. WOS: SONG, SH., ZHUANG, H., WU, J.: *Materials Science and Engineering A*, 486, 2008, 1/2, s. 433-438

Zahr. WOS: WU, J., SONG, SH., WENG, LQ., XI, TH., YUAN, ZX.: *Materials Characterization*, 59, 2008, 3, s. 261-265

- DŽUBINSKÝ, M. - KOVÁČ, F.:** Influence of Heat Cycling on Microstructural Parameters of Fe-3%Si Grain Oriented Steel. *Scripta Materialia*, 45, 2001, s.1205-1211
 Zahr.WOS: XIA, ZS., KANG, YL., WANG, QL.: *Journal of Magnetism and Magnetic Materials*, 320, 2008, 23, s. 3229-3233
- LOFAJ, F. - WIEDERHORN, S.M. - LONG, G.G. - JEMIAN, P.R. - FERBER, M.K.:** Cavitation Creep in the Next Generation Silicon Nitride. In: *Ceramic Materials and Components for Engines*. Goslar, 5.2000. Ed. J.G.Heinrich, F.Aldinger. Weinheim, Wiley-VCH 2001, s.487-493
 Zahr.WOS: BISWAS, K., ALDINGER, F.: *Materials Chemistry and Physics*, 112, 2008, 2, p. 366-372
- LOFAJ, F. - WIEDERHORN, S.M. - JEMIAN, P.R. - LONG, G.G.:** Tensile Creep in the Next Generation Silicon Nitride. *Ceramic Engineering and Science Proceedings*, 22, 2001, 3, s.167-174
 Zahr.WOS: YE, F., LIU, C., LIU, L.: *Journal of the American Ceramic Society*, 91, 2008, 3, p. 1022-1026
- ŠALAK, A. - SELECKÁ, M. - BUREŠ, R.:** Manganese in Ferrous Powder Metallurgy. *Powder Metallurgy Progress*, 1, 2001, 1, s.41-58
 Zahr.WOS: DANNINGER, H., GIERL, C.: *Science of Sintering*, 40, 2008, s. 33-46
- DUDROVÁ, E. - KABÁTOVÁ, M. - KUPKOVÁ, M.:** Failure in Fe-Ni-Cu-Mo Sintered Steel under Static Tensile Loading. *Kovové materiály*, 40, 2002, 1, s.24-34
 Zahr.WOS: HWANG, KS., WU, MW., TSAI, CC.: *Engineering Materials . Book series: Advanced Materials Research*, 51, 2008, p. 3-9
- ŠEVC, P. - JANOVEC, J. - LEJČEK, P. - ZÁHUMENSKÝ, P. - BLACH, J.:** *Thermodynamics of Phosphorus Grain Boundary Segregation in 17Cr12Ni Austenitic Steel. Scripta Materialia*, 46, 2002, s.7-12
 Zahr.WOS: SONG, SH., ZHUANG, H., WU, J.: *Materials Science and Engineering A*, 486, 2008, 1/2, s. 433-438
- BIDULSKÝ, R. - DUDROVÁ, E. - KABÁTOVÁ, M.:** *Deformation and Fracture Behaviour of Sintered Manganese Steels. In: Deformation and Fracture in Structural PM Materials. Vol.2. Stará Lesná, 15.-18.9.2002. Ed. L. Parilák, H. Danninger. Košice, ÚMV SAV 2002, s.31-34*
 Zahr.iné: BIDULSKÁ, J., KVAČKAJ, T., FUJDA, M., MILKOVIČ, O., VOJTKO, M.: *Problems of modern techniques in engineering and education - 2008. Cracow : Pedagogical University, 2008, p. 89-94*
- HOMOLOVÁ, V. - JANOVEC, J. - KROUPA, A.:** *Experimental and Thermodynamic Studies of Phase Transformations in Cr-V Low Alloy Steels. Materials Science and Engineering A*, 335, 2002, s.290-297
 Scopus: YAN, F., SHI, H., JIN, B., FAN, J., XU, Z.: *Materials Characterization*, 59, 2008, 8, s. 1007-1014
- DUDROVÁ, E. - KABÁTOVÁ, M.:** *Microstructure, Mechanical Properties and Fracture Behaviour of Manganese Sintered Steels. In: Deformation and Fracture in Structural PM Materials. Vol. 1. Stará Lesná, 15.-18.9.2002. Ed. L. Parilák, H. Danninger. Košice, ÚMV SAV 2002, s.107-115*
 Zahr.WOS: BAGLYUK, GA., SOSNOVSKII, LA., GOLOVKOVA, MB.: *Powder Metallurgy and Metal Ceramics*, 47, 2008, p. 630-634
- LOFAJ, F. - WIEDERHORN, S.M. - LONG, G.G. - HOCKEY, B. - JEMIAN, P.R. - BROWDER, L. - ANDREASON, J. - TÄFFNER, U.:** *Non-Cavitation Tensile Creep in Lu-Doped Silicon Nitride. Journal of the European Ceramic Society*, 22, 2002, s.2479-2487
 Zahr.WOS: FOX, KM., HELLMANN, JR.: *International Journal of Applied Ceramic Technology*, 5, 2008, 2, s. 138-154
- JIANG, J. - SAKSL, K. - NISHIYAMA, N. - INOUE, A.:** *Crystallization in Pd₄₀Ni₄₀P₂₀O Glass. Journal of Applied Physics*, 92, 2002, 7, s.3651-3656
 Zahr.WOS: KHONIK, SV., KAVERIN, LD., KOBELEV., NP.: *Journal of Non-Crystalline Solids*, 354, 2008, 32, p. 3896-3902
- HVIZDOŠ, P. - REECE, M.J. - BUSHBY, A.:** *Depolarisation of PZT Thin Films by Nanoindentation. Integrated Ferroelectrics*, 50,2002, s.199-207
 Zahr.WOS: WONG, MF., ZENG, K.: *Philosophical Magazine*, 88, 2008, 26, p. 3105-3128
- CENIGA, L. - DIKO, P.:** *Matrix Crack Formation in Y-Ba-Cu-O Superconductor. Physica C*, 385, 2003, s.329-336
 Zahr.WOS: YONG, HD., ZHOU, YH.: *Journal of Applied Physics*, 104, 2008, 4, 043907

DŽUBINSKÝ, M. - KOVÁČ, F.: *Microstructure and Texture Development of Fe-3%Si GO Steel during High Temperature Annealing. Journal of Magnetism and Magnetic Materials, 254-255, 2003, s.388-390*
Zahr.WOS: XIA, ZS., KANG, YL., WANG, QL.: *Journal of Magnetism and Magnetic Materials, 320, 2008, 23, s. 3229-3233*

BIDULSKÁ, J. - BIDULSKÝ, R. - BODÁK, V. - KVAČKAJ, T. - CAVALIERE, P.: *The Microgeometry of Zinc-Coated Steel Strips. Journal of Mining and Metallurgy B, 39, 2003, 3/4*
Dom.iné: GUZANOVÁ, A., BREZINOVÁ, J.: *Výrobné inžinierstvo, 7, 2008, 2, s. 100-104*

KOVAL, V. - ALEMANY, C. - BRIANČIN, J. - BRUNCKOVÁ, H.: *Dielectric Properties and Phase Transition Behaviour of xPMN-(1-x)PZT Ceramic Systems. Journal of Electroceramics, 10, 2003, 1, s.19-29*
Zahr.WOS: WONGSAENMAI, S., ANANTA, S., TAN, X.: *Ceramics International, 34, 2008, 4, s. 723-726*
Scopus: JANKOWSKA-SUMARA, I., SMIGA, W., BUJAKIEWICZ-KORONSKA, R.: *Phase Transitions, 81, 2008, 11/12, p. 1107-1115*
Zahr.WOS: MOETAKEF, P., NEMAT, ZA.: *Sensors and Actuators A, 141, 2008, 2, s. 463-470*
Zahr.WOS: BANLUE, W., VITTAYAKORN, N., HUANG, CC.: *Journal of Materials Science, 43, 2008, 12, s. 4220-4225*

HOMOLOVÁ, V. - JANOVEC, J. - ZÁHUMENSKÝ, P. - VÝROSTKOVÁ, A.: *Influence of Thermal-Deformation History on Evolution of Secondary Phases in P91 Steel. Materials Science and Engineering A, 349, 2003, s.306-312*
Zahr.WOS: PAUL, VT., SAROJA, S., VIJAYALAKSHMI, M.: *Journal of Nuclear Materials, 378, 2008, 3, p. 273-281*
Zahr.WOS: KUAI, CG., PENG, ZF.: *Acta Metallurgica Sinica, 44, 2008, 8, p. 897-900*
Zahr.WOS: SASIKALA, G., RAY, SK.: *Materials Science and Engineering A, 479, 2008, 1/2, s. 105-111*
Zahr.WOS: CENIGA, L.: *Acta Mechanica Sinica, 24, 2008, 2, s. 189-206*
Zahr.WOS: SANCHEZ, L., BOLIVAR, F.J., HIERRO, MP.: *Intermetallics, 16, 2008, 10, p. 1161-1166*

KOVAL, V. - ALEMANY, C. - BRIANČIN, J. - BRUNCKOVÁ, H. - SAKSL, K.: *Effect of PMN Modification on Structure and Electrical Response of xPMN-(1-x)PZT Ceramic Systems. Journal of the European Ceramic Society, 23, 2003, s.1157-1166*
Scopus: SHAN, ZH., LIU, XY., YANG, GH., ZHOU, CR.: *Journal of Synthetic Crystals, 37, 2008, 5, p. 1152-1156*
Zahr.WOS: MOETAKEF, P., NEMAT, ZA.: *Sensors and Actuators A, 141, 2008, 2, s. 463-470*

DUDROVÁ, E. - KABÁTOVÁ, M. - BIDULSKÝ, R.: *Microstructure, Mechanical Properties and Failure of Fe-3Mn-0,7C Sintered Steel. Metalurgija, 42, 2003, 1, s.3-20*
Zahr.WOS: CENIGA, L.: *Journal of Thermal Stresses, 31, 2008, 9, p. 862-891*
Zahr.iné: NOVÝ, F., BOKŮVKA, NICOLETTO, G., VALOVIČOVÁ, V.: *25th Danubia-Adria symposium on Advances in experimental mechanics. České Budějovice, 24.-27.9.2008. Praha : ČTU, 2008, s. 193-194*
Dom.iné: PRŠKOVÁ, V., NOVÝ, F., CHALUPOVÁ, M.: *Materials Engineering, 15, 2008, 2a, s. 97-100*

HOMOLOVÁ, V. - JANOVEC, J. - KUSÝ, M. - MORAVČÍK, R. - ILLEKOVÁ, E. - GRGÁČ, P.: *Phase Transformation and Equilibria in Ledeburite Type Ch3F12 and Ch12MF4 Tool Alloys. Canadian Metallurgical Quarterly, 42, 2003, 1, s.89-96*
Zahr.WOS: PALCUT, M., VACH, M., CICKA, R.: *Archives of Metallurgy and Materials, 53, 2008, 4, p. 1157-1164*

JANOVEC, J. - VOKÁL, V. - KRESTÁNKOVÁ, J. - ŠEVC, P. - VÝROSTKOVÁ, A.: *Thermodynamics of Phosphorus Grain Boundary Segregation in Low Alloy Steels. Kovové materiály, 41, 2003, 1, s.18-35*
Zahr.WOS: WU, J., SONG, SH., WENG, LQ., XI, TH., YUAN, ZX.: *Materials Characterization, 59, 2008, 3, s. 261-265*
Zahr.WOS: SONG, SH., ZHUANG, H., WU, J.: *Materials Science and Engineering A, 486, 2008, 1/2, s. 433-438*
Zahr.WOS: DING, R., KNOTT, J.: *Materials Science and Technology, 24, 2008, 10, p. 1189-1194*
Zahr.WOS: SONG, SH., WU, J., WENG, LQ.: *Materials Science and Engineering A, 497, 2008, 1/2, p. 524-527*

JAKUBÉCZYOVÁ, D. - FÁBEROVÁ, M.: *Možnosti povrchovej úpravy P/M nástrojových ocelí. In: Metal 2003. 12. mezinárodní konference metalurgie a materiálů. Hradec nad Moravicí, 20.-22.5.2003. Ostrava : Tanger, s.r.o. 2003, s.CD-ROM*
Dom.WOS: HAGAROVÁ, M., ŠTĚPÁNEK, I.: *Kovové materiály, 46, 2008, s. 165-172*

JANOVEC, J. - VÝROSTKOVÁ, A. - ŠEVC, P. - ROBINSON, J. - SVOBODA, M. - KRESTÁNKOVÁ, J. - GRABKE, H.J.: *Precipitation Related Anomalies in Kinetics of Phosphorus Grain Boundary Segregation in Low Alloy Steels. Acta Materialia*, 51, 2003, s.4025-4032

Zahr.WOS: LEJCEK, P., HOFMANN, S.: *Critical Reviews in Solid State and Materials Sciences*, 33, 2008, 2, s. 133-163

SELECKÁ, M. - ŠALAK, A. - DANNINGER, H.: *The Effect of Boron Liquid Phase Sintering on Properties of Ni-, Mo- and Cr- Alloyed Structural Steels. Journal of Materials Processing Technology*, 141, 2003, s.379-384

Zahr.iné: YILMAZ, R., EKICI, MR.: *Journal of Achievements in Materials and Manufacturing Engineering*, 31, 2008, 1, p. 23-28

Zahr.WOS: CABRAL-MIRAMONTES, JA., BARCEINAS-SANCHEZ, JDO., VELEZ-JACOBO, L.: *Revista de Metalurgia*, 44, 2008, 6, p. 493-502

Zahr.WOS: COLMATI, F., ANTOLINI, E., GONZALEZ, ER.: *Journal of Solid State Electrochemistry*, 12, 2008, 5, s. 591-599

VELGOSOVÁ, O. - BESTERCI, M.: *Influence of Strain Rate and Temperature on Fracture Mechanism of Dispersion Strengthened Al-12Al₄C₃ System. Materials Letters*, 57, 2003, s.4014-4017

Zahr.WOS: DOBEŠ, F., MILIČKA, K.: *Materials Characterization*, 59, 2008, 7, p. 961-964

JIANG, J. - KATO, H. - OHSUNA, T. - SAIDA, J. - INOUE, A. - SAKSL, K. - FRANZ, H. - STAHL, K.: *Origin of Nondetectable X-Ray Diffraction Peaks in Nanocomposite CuTiZr Alloys. Applied Physics Letters*, 83, 2003, 16, s.3299-3301

Zahr.WOS: YAN, XL., CHEN, XQ., GRYTSIV, A., ROGL, P., PODLOUCKY, R., POMJAKUSHIN, V., SCHMIDT, H., GIESTER, G.: *Intermetallics*, 16, 2008, 5, s. 651-657

Zahr.WOS: HOBOR, S., REVESZ, A., ZHILYAEV, AP.: *Reviews of Advanced Materials Science*, 18, 2008, 7, p. 590-592

Zahr.WOS: KHORUNOV, VF., ZELINSKA, GM., MAKSIMOVA, SV.: *Metallofizika i noveishie tekhnologii*, 30, 2008, 8, p. 1139-1146

Zahr.WOS: HOBOR, S., REVESZ, A., SZABO, PJ.: *Journal of Applied Physics*, 104, 2008, 3, 033525

Zahr.WOS: LI, JF., CAO, QP., ZHOU, YH.: *Science in China Series G*, 51, 2008, 4, s. 394-399

SAKSL, K. - FRANZ, H. - JÓVÁRI, P. - KLEMENTIEV, K. - WELTER, E. - EHNES, A. - SAIDA, J. - INOUE, A. - JIANG, J.: *Evidence of Icosahedral Short-Range Order in Zr₇₀Cu₃₀ and Zr₇₀Cu₂₉Pd₁ Metallic Glasses. Applied Physics Letters*, 83, 2003, 19, s.3924-3926

Zahr.WOS: KRAMER, MJ., XU, M., YE, YY.: *Metallurgical and Materials Transactions A*, 39, 2008, 8, s. 1847-1856

Zahr.WOS: YAN, ZJ., DANG, SE., LI, QS.: *Journal of Alloys and Compounds*, 452, 2008, 2, s. 359-366

ŠALAK, A. - SELECKÁ, M. - PARILÁK, L.: *Some Properties of Powder Forged Steel Based on Chromium Prealloyed Powders of High Oxygen Content. Journal of Materials Processing Technology*, 143-144, 2003, s.18-22

Zahr.iné: YILMAZ, R., EKICI, MR.: *Journal of Achievements in Materials and Manufacturing Engineering*, 31, 2008, 1, p. 23-28

JIANG, J. - YANG, B. - SAKSL, K. - FRANZ, H. - PRYDS, N.: *Crystallization of Cu₆₀Ti₂₀Zr₂₀ Metallic Glass with and without Pressure. Journal of Materials Research*, 18, 2003, 4, s.895-898

Zahr.WOS: LOUZGUINE-LUZGIN, DV., ANTONOWICZ, J., GEORGARAKIS, K.: *Journal of Alloys and Compounds*, 466, 2008, 1/2, p. 106-110

Zahr.WOS: LOUZGUINE-LUZGIN, DV., INOUE, A.: *Annual Review of Materials Research*, 38, 2008, p. 403-423

BRUNCKOVÁ, H. - MEDVECKÝ, L. - BRIANČIN, J. - SAKSL, K.: *Influence of Hydrolysis Conditions of the Acetate Sol-Gel Process on the Stoichiometry of PZT Powders. Ceramics International*, 30, 2004, s.453-460

Zahr.WOS: SAKAR-DELIORMANLI, A., CEILK, E., POLAT, M.: *Journal of Materials Science-Materials in Electronics*, 19, 2008, 6, s. 577-583

KUPKOVÁ, M. - KUPKA, M.: *Theoretical Bounds on the Electrical Conductivity of Sintered Materials and their Relation to Bounds on the Young's Modulus. Metalurgija*, 43, 2004, 2, s.97-100

Zahr.WOS: DOROSHEV, VD., BORODIN, VA., KAMENEV, VI.: *Journal of Applied Physics*, 104, 2008, 9, 093909

DUDROVÁ, E. - KABÁTOVÁ, M. - BIDULSKÝ, R. - WRONSKI, A.S.: *Industrial Processing, Microstructures and Mechanical Properties of Fe-(2-4)Mn (-0,85Mo)-(0,3-0,7)C Sintered Steels. Powder Metallurgy, 47, 2004, 2, s.181-190*
Zahr.iné: SICRE-ARTALEJO, J., CAMPOS, M., TORRALBA, JM.: JAMME, 28, 2008, 2, p. 199-202
Dom.iné: NOVÝ, F., BOKŮVKA, O., CHALUPOVÁ, M., VALOVIČOVÁ, V.: *Acta Mechanica Slovaca, 12, 2008, 4-B, s. 209-214*
Zahr.iné: KOPAS, P., NOVÝ, F., HANDRIK, M., BOKŮVKA, O., SÁGA, M. In: Borkowski, S.: *Quality of Materials and Products. Saint Petersburg : PPAUR, 2008, s. 39-43*
Zahr.iné: NOVÝ, F., BOKŮVKA, O., CHALUPOVÁ, M., VALOVIČOVÁ, V. In: Borkowski, S.: *Quality of Materials and Products. Saint Petersburg : PPAUR, 2008, s. 71-76*
Zahr.WOS: CENIGA, L.: *Journal of Thermal Stresses, 31, 2008, 9, p. 862-891*
Zahr.WOS: ZENDRON, G., GIRARDINI, L., MOLINARI, A.: *Powder Metallurgy, 51, 2008, 3, p. 237-244*
Zahr.WOS: BAGLYUK, GA., SOSNOVSKII, LA., GOLOVKOVA, MB.: *Powder Metallurgy and Metal Ceramics, 47, 2008, p. 630-634*

LOFAJ, F. - SATET, R. - HOFFMANN, M.J. - DE ARELLANO-LÓPEZ, A.: *Thermal Expansion and Glass Transition Temperature of the Rare-Earth Doped Exynitride Glasses. Journal of the European Ceramic Society, 24, 2004, s.3377-3385*

Scopus: LI, XY, LU, AX., XIAO, ZH., ZUO, CG.: *Journal of Non-Crystalline Solids, 354, 2008, s. 3678-3684*
Zahr.WOS: HAMPSHIRE, S., POMEROY, MJ.: *International Journal of Applied Ceramic Technology, 5, 2008, 2, s. 155-163*
Zahr.WOS: HAMPSHIRE, S.: *Journal of the European Ceramic Society, 28, 2008, 7, s. 1475-1483*
Zahr.WOS: POMEROY, MJ., HAMPSHIRE, S.: *Journal of the Ceramic Society of Japan, 116, 2008, s. 755-761*
Zahr.WOS: CASTALDI, L., KURAPOV, D., REITER, A.: *Surface and Coatings Technology, 203, 2008, 5-7, p. 545-549*
Zahr.WOS: WOOL, RP.: *Journal of Polymer Science B, 46, 2008, 24, p. 2765-2778*
Zahr.WOS: CHENG, Y., XIAO, HN., GUO, WM.: *Ceramics International, 34, 2008, 5, s. 1335-1339*

DUDROVÁ, E. - KABÁTOVÁ, M.: *Fractography of Sintered Steels: A Review. In: Powder Metallurgy World Congress and Exhibition. Euro PM 2004. Vol. 3. Viedeň, 17.-21.10.2004. Ed. H.Danninger, R.Ratzi. EPMA 2004, s.193-198*

Zahr.WOS: ABDOOS, H., KHORSAND, H., SHAHANI, AR.: *Diffusion in Solids and Liquids . Book series: Defect and Diffusion Forum, vol. 273-276, 2008, p. 348-353*

MEDVECKÝ, L. - BRIANČIN, J.: *Possibilities of Simultaneous Determination of Indium and Gallium in Binary InGa Alloys by Anodic Stripping Voltammetry in Acetate Buffer. Chemical Papers, 58, 2004, s.93-100*

Zahr.WOS: CHOU, WL., YANG, KC.: *Journal of Hazardous Materials, 154, 2008, 1/3, s. 498-505*
Zahr.WOS: CHOU, WL., WANG, CT., YANG, KC.: *Journal of Hazardous Materials, 160, 2008, 1, p. 6-12*

KAŠIAROVÁ, M. - RUDNAYOVÁ, E. - DUSZA, J. - HNATKO, M. - ŠAJGALÍK, P. - MERSTALLINGER, A. - KUZSELLA, L.: *Some Tribological Properties of a Carbon-Derived Si₃N₄/SiC Nanocomposite. Journal of the European Ceramic Society, 24, 2004, s.3431-3435*

Zahr.WOS: TOMAR, V.: *Engineering Fracture Mechanics, 75, 2008, p. 4501-4512*
Scopus: VERMA, R., VIJAYVARGAYA, A., BASU, B.: *Transactions of the Indian Institute of Metals, 61, 2008, 2/3, p. 145-149*

JAKUBÉCZYOVÁ, D. - JURČI, P. - FÁBEROVÁ, M.: *The Application of Surface Modification on the PM High Speed Steels. In: Powder Metallurgy World Congress and Exhibition. Euro PM 2004. Vol. 3. Viedeň, 17.-21.10.2004. Ed. H.Danninger, R.Ratzi. EPMA 2004, s.791-796*

Dom.WOS: HAGAROVÁ, M., ŠTĚPÁNEK, I.: *Kovové materiály, 46, 2008, s. 165-172*

FADEEVA, I. - BARINOV, S.M. - KOMLEV, V. - FEDOTOV, D. - ĎURIŠIN, J. - MEDVECKÝ, L.: *Apatite Formation in the Reaction-Setting Mixture of Ca(OH)₂-KH₂PO₄ Systém. Journal of Biomedical Materials Research A, 70, 2004, s.303-308*

Zahr.WOS: DOROZHKIN, SV.: *Journal of Materials Science, 43, 2008, 9, s. 3028-3057*

LOFAJ, F. - DÉRIANO, S. - LEFLOCH, M. - ROUXEL, T. - HOFFMANN, M.J.: *Structure and Rheological Properties of the RE-Si-Mg-O-A (RE=Sc, Y, La, Nd, Sm, Gd, Yb and Lu) Glasses. Journal of Non-Crystalline Solids, 344, 2004, s.8-16*

Zahr.WOS: LEONOVA, E., HAKEEM, AS., JANSSON, K., STEVENSSON, B., SHEN, Z., GRINS, J.,
ESMAEILZADEH, S., EDEN, M.: *Journal of Non-Crystalline Solids*, 354, 2008, 1, s. 49-60
Zahr.WOS: HAMPSHIRE, S., POMEROY, MJ.: *International Journal of Applied Ceramic Technology*, 5, 2008,
2, s. 155-163
Zahr.WOS: HAMPSHIRE, S.: *Journal of the European Ceramic Society*, 28, 2008, 7, s. 1475-1483

LOFAJ, F. - SATET, R. - HOFFMANN, M.J. - **DORČÁKOVÁ, F.** - DE ARELLANO-LÓPEZ, A.: *Rheological Properties of the Rare-Earth Doped Glasses. Key Engineering Materials*, 264-268, 2004, s.1867-1870
Zahr.WOS: FOUQUET-PARRY, V., PAUMIER, F., GUITTET, MJ.: *Applied Surface Science*, 254, 2008, 15, s. 4665-4670

ĎURIŠIN, J. - **ĎURIŠINOVÁ, K.** - **OROLÍNOVÁ, M.** - **SAKSL, K.**: *Effect of the MgO Particles on the Nanocrystalline Copper Grain Stability. Materials Letters*, 58, 2004, s.3796-3801
Zahr.WOS: AFSHAR, A., SIMCHI, A.: *Scripta Materialia*, 58, 2008, 11, s. 966-969

BRETON, J. - ZORKOVSKÁ, A. - **KAŠIAROVÁ, M.**: *Crystallization of Fe_{73,5}Cu₁RE₃Si_{13,5}B₉ Ribbons with RE=Pr, Nd, Gd. Journal of Physics: Condensed Matter*, 16, 2004, s.5555-5568
Zahr.WOS: LIU, H., YIN, C., MIAO, X., HAN, Z., WANG, D., DU, Y.: *Journal of Alloys and Compounds*, 466, 2008, 1/2, p. 246-249

ŠALAK, A. - **SELECKÁ, M.** - DANNINGER, H.: *Machinability of Powder Metallurgy Steels. Cambridge : Interscience Publ.*, 2005, 536 s.
Zahr.WOS: BOILARD, P., L'ESPÉRANCE, G., BLAIS, C.: *International Journal of Powder Metallurgy*, 44, 2008, 2, s. 33-40
Zahr.WOS: ROBERT-PERRON, E., BLAIS, C.: *International Journal of Powder Metallurgy*, 44, 2008, 2, s. 41-48
Zahr.WOS: PETRESCU, V., BIBU, M., NEMES, T., POPESCU, F., DEAC, C.: *Annals of DAAAM for 2008 and Proceedings of the 19th International DAAAM Symposium*, 2008, p. 1071-1072

SIDOR, J. - **KOVÁČ, F.**: *Effect of Heat Treatment Conditions on the Internal and External Oxidation Processes in Non-Oriented Electrical Steels. Materials and Design*, 26, 2005, s.297-304
Zahr.WOS: BRODDEFALK, A., JENKINS, K., SILK, N.: *Journal of Magnetism and Magnetic Materials*, 320, 2008, 20, p. E665-668

ŠUPICOVÁ, M. - **ORINÁKOVÁ, R.** - **KUPKOVÁ, M.** - **KABÁTOVÁ, M.**: *Electrolytical Modification of Fe Hollow Spheres by Cu, Ni and Ni-Cu Binary Coating. Surface and Coating Technology*, 195, 2005, s.130-137
Zahr.WOS: HUANG, WQ., HUANG, GF., WANG, LL.: *International Journal of Electrochemical Science*, 3, 2008, 11, p. 1316-1324

LOFAJ, F. - **DORČÁKOVÁ, F.** - HOFFMANN, M.J.: *The Effect of Nitrogen on Viscosity of La-Si-Mg-O-A Glasses by Compressive Creep and Dilatometry. Journal of Materials Science*, 40, 2005, s.47-51
Zahr.WOS: POMEROY, MJ., HAMPSHIRE, S.: *Journal of the Ceramic Society of Japan*, 116, 2008, s. 755-761

DŽUPON, M.: *Mechanické vlastnosti multifázových nízkolegovaných ocelí. Písomná práca k dizertačnej skúške. Košice : ÚMV SAV 2005, 54 s.*
Dom.iné: HERDITZKY, A., KICKOVÁ, M., OLEXOVÁ, M.: *Transfer inovácií*, 2008, 12, s. 106-109

KOVAL, V. - REECE, M.J. - BUSHBY, A.: *Ferroelectric/Ferroelastic Behaviour and Piezoelectric Response of Lead Zirconate Titanate Thin Films under Nanoindentation. Journal of Applied Physics*, 97, 2005, s.074301-1-7
Zahr.WOS: FANG, L., MUHLSTEIN, CL., COLLINS, JG., ROMASCO, AL., FRIEDMAN, LH.: *Journal of Materials Research*, 23, 2008, 9, p. 2480-2485

ĎURIŠIN, J. - **ĎURIŠINOVÁ, K.** - **OROLÍNOVÁ, M.** - **SAKSL, K.**: *Preparation and Microstructure Evolution of Nanocomposite Powder Copper. In: International Journal of Materials and Product Technology*, 23, 2005, 1/2, s.42-68
Zahr.WOS: LOZANO-MORALES, A., PODLAHA, EJ.: *Journal of Applied Electrochemistry*, 38, 2008, 12, p. 1707-1714

DUSZA, J. - KOVALČÍK, J. - **HVIZDOŠ, P.** - ŠAJGALÍK, P. - HNATKO, M. - REECE, M.J.: *Enhanced Creep Resistant Silicon-Nitride-Based Nanocomposite. Journal of the American Ceramic Society*, 88, 2005, 6, s.1500-1503
Zahr.WOS: TOMAR, V.: *Engineering Fracture Mechanics*, 75, 2008, p. 4501-4512

DUSZA, J. - ŠAJGALÍK, P.: *Si₃N₄ and Al₂O₃ Based Ceramic Nanocomposites. In: International Journal of Materials and Product Technology, 23, 2005, 1/2, s.91-120*

Zahr.WOS: AHMAD, K., PAN, W.: *Composites Science and Technology, 68, 2008, 6, s. 1321-1327*

HVIZDOŠ, P. - MORENO, J. - OČENÁŠEK, J. - CESERACCIU, L. - ANNÉ, G.: *Mechanical Properties of Alumina/Zirconia Functionally Graded Material Prepared by Electrophoretic Deposition. Key Engineering Materials, 290, 2005, s.332-335*

Scopus: BAUFELD, B., BIEST, O.van der, RATZER-SCHEIBE, HJ.: *Ceramic Engineering and Science Proceedings, 28, 2008, 3, p. 3-10*

BESTERCI, M. - PEŠEK, L. - ZUBKO, P. - HVIZDOŠ, P.: *Mechanical Properties of Phases in Al-Al₄C₃ Mechanically Alloyed Material Measured by Depth Sensing Indentation Technique. Materials Letters, 59, 2005, s.1971-1975*

Zahr.WOS: MIHALIKOVÁ, M., GAZDAG, S.: *Metalurgija, 47, 2008, 3, s. 203-205*

PARILÁK, L. - DŽUPON, M. - KOLLÁROVÁ, M.: *Výskum ocelí pre automobilový priemysel. In: MAT/TECH automobilového priemyslu. VT-seminár s medzinárodnou účasťou. Košice, 25.11.2005. Košice : Sjf TU 2005, s.78-84*

Dom.iné: HUDÁK, J., TOMÁŠ, M.: *Transfer inovácií, 2008, 12, s. 136-139*

MALIK, J. - DŽUPON, M. - KOMÁR, J.: *Chyby odliatkov liatych do kovovej formy pod tlakom. Acta Metallurgica Slovaca, 11, 2005, s.139-142*

Dom.iné: RAGAN, E., KOLLÁROVÁ, M., FEDÁK, M.: *Journal of Engineering, 6, 2008, 3, p. 210-212*

MEDVECKÝ, L. - 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, s.221-229*

Zahr.WOS: KAWABATA, K., SATO, H., YAMAMOTO, T.: *Journal of the Ceramic Society of Japan, 116, 2008, s. 108-110*

ŠAJGALÍK, P. - HNATKO, M. - LENCĚŠ, 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, s.41-46*

Scopus: MUKHOPADHYAY, A.: *Tribology - Materials, Surfaces and Interfaces, 2, 2008, p. 169-184*

Zahr.WOS: TOMAR, V.: *Engineering Fracture Mechanics, 75, 2008, p. 4501-4512*

Zahr.WOS: PASUPULETI, S., PEDDETTI, R., SANTHANAM, S., JEN, KP., WING, ZN., HALLORAN, JP., HECHT, M.: *Journal of Materials Science, 43, 2008, p. 2799-2805*

BIDULSKÁ, J. - KVAČKAJ, T. - VRCHOVINSKÝ, V. - BIDULSKÝ, R.: *Hodnotenie tvárnosti hliníkovej zliatiny 2014 pomocou ťahovej skúšky. Acta Metallurgica Slovaca, 12, 2006, s.78-82*

Kvalif.práce: LUPTÁK, M.: *Doktorská práca. Ostrava : VŠB TU, 2008*

BESTERCI, M. - VELGOSOVÁ, O.: *The Influence of Factors on Superplastic Deformation of Al-Al₄C₃ Composites. Materials and Design, 27, 2006, s.789-793*

Scopus: TAHA, MA., EL-MAHALLAWY, NA., EL-SABBAGH, AM.: *Journal of Materials Processing Technology, 202, 2008, 1/3, s. 380-385*

BIDULSKÝ, R. - RODZIŇÁK, D. - GUZANOVÁ, A. - BREZINOVÁ, J.: *Vplyv spevňovania povrchu na odolnosť spekanej ocele proti únavovému porušeniu. Acta Metallurgica Slovaca, 12, 2006, s.54-58*

Zahr.iné: NOVÝ, F., BOKŮVKA, O., ČINČALA, M. In: *Nowe technologie i osiągnięcia w metalurgii i inżynierii materiałowej. Czestochowa : Wyd. Politechniki Czestochowskiej, 2008, s. 291-294*

Zahr.iné: KOPAS, P., NOVÝ, F., HANDRIK, M., BOKŮVKA, O., SÁGA, M. In: *Borkowski, S.: Quality of Materials and Products. Saint Petersburg : PPAUR, 2008, s. 39-43*

Zahr.iné: NOVÝ, F., BOKŮVKA, O., CHALUPOVÁ, M., VALOVIČOVÁ, V. In: *Borkowski, S.: Quality of Materials and Products. Saint Petersburg : PPAUR, 2008, s. 71-76*

Dom.iné: NOVÝ, F., BOKŮVKA, O., CHALUPOVÁ, M., VALOVIČOVÁ, V.: *Acta Mechanica Slovaca, 12, 2008, 4-B, s. 209-214*

Kvalif.práce: LUPTÁK, M.: *Doktorská práca. Ostrava : VŠB TU, 2008*

BLACH, J. - ŠEVC, P.: *Precipitácia sekundárnych fáz v austenitických oceliach a jej vplyv na porušovanie pri znížených teplotách.* In: *Provozní degradace austenitických ventilových ocelí. Seminář se zahraniční účastí. Liberec, 9.10.2006.* Liberec : *Fakulta strojí TU 2006, s.104-111*

Zahr.iné: SKRBEK, B.: *Přínos metalografie pro řešení výrobních problémů. 11. Česko-slovenská konference. Lázně Libverda, 17.-19.6.2008.* Praha : *ČVUT, 2008, s. 50-54*

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, s.72-75*

Zahr.iné: KOTTFER, D., MRVA, P., FERDINANDY, M.: *Vrstvy a povlaky 2008. Rožnov pod Radhoštěm, 29.-30.9.2008, s. 89-94*

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, s.7030-7033*

Zahr.WOS: QIAO, JC., XI, ZP., TANG, HP.: *Rare Metal Materials and Engineering, 37, 2008, 12, p. 2173-2176*

Zahr.WOS: QIAO, JC., XI, ZP., TANG, HP.: *Rare Metal Materials and Engineering, 37, 2008, 11, p. 2054-2058*

DUSZA, J. - HVIZDOŠ, P.: *Fracture and Mechanical Properties of MoSi₂ and MoSi₂+SiC.* *Kovové materiály, 44, 2006, s.251-258*

Dom.WOS: LAPIN, J., GEBURA, M., PELACHOVA, T.: *Kovové materiály, 46, 2008, 6, p. 313-322*

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, s.862-866*

Zahr.WOS: CHLUP, Z., FLASAR, P., KOTOJI, A.: *Journal of the European Ceramic Society, 28, 2008, 5, s. 1073-1077*

Zahr.WOS: TOMAR, V.: *Engineering Fracture Mechanics, 75, 2008, p. 4501-4512*

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, s.1752-1755*

Zahr.WOS: TOMAR, V.: *Engineering Fracture Mechanics, 75, 2008, p. 4501-4512*

ŠAJGALÍK, P. - HNATKO, M. - LOJANOVÁ, Š. - LENČEŠ, 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, s.772-777*

Zahr.WOS: TOMAR, V.: *Engineering Fracture Mechanics, 75, 2008, p. 4501-4512*

Zahr.WOS: ZHU, XW., SUZUKI, TS., UCHIKOSHI, T.: *Journal of the European Ceramic Society, 28, 2008, 5, s. 929-934*

SIMKULET, V. - SELECKÁ, M.: *Effect of Manganese on Fracture of Premix and Hybrid Fe-0,85Mo-XMn-0,3C Sintered Steel.* *Powder Metallurgy Progress, 6, 2006, 4, s.156-163*

Zahr.WOS: DANNINGER, H., GIERL, C.: *Science of Sintering, 40, 2008, s. 33-46*

CENIGA, L. - DIKO, P.: *Analytical Model of Oxygenation-Induced Stresses in YBCO Superconductor.* *Physica C, 467, 2007, s.179-185*

Zahr.WOS: YONG, HD., ZHOU, YH.: *Journal of Applied Physics, 104, 2008, 4, 043907*

LUBE, T. - DUSZA, J.: *A Silicon Nitride Reference Material - a Testing Program of ESIS TC6.* *Journal of the European Ceramic Society, 27, 2007, s.1203-1209*

Zahr.WOS: SCHWIND, T., SCHALK, T., KERSCHER, E.: *International Journal of Materials Research, 99, 2008, 10, p. 1090-1097*

Zahr.WOS: RIVA, M., HOFFMANN, MJ., OBERACKER, R.: *Journal of Materials Science, 43, 2008, 1, s. 402-405*

SIDOR, J. - KOVÁČ, F. - KVAČKAJ, T.: *Grain Growth Phenomena and Heat Transport in Non-Oriented Electrical Steels.* *Acta Materialia, 55, 2007, s.1711-1722*

Zahr.WOS: ZHANG, ZW., CHEN, G., BEI, H., YE, F., CHEN, GL., LIU, CT.: *Applied Physics Letters, 93, 2008, 191908*

KOLLÁROVÁ, M. - DŽUPON, M. - LEŠKO, A. - PARILÁK, L.: *Formation of Outburst Structure in Hot Dip Galvannealed Coatings on IF Steels.* *Metallurgija, 46, 2007, 1, s.9-14*

Zahr.iné: TAN, J., WANG, J., GAO, H., SUN, B.: *Materials Review*, 2008, 2

FÁBEROVÁ, M. - BUREŠ, R. - JAKUBÉCZYOVÁ, D.: *Analysis of the Influence of Heat Treatment on Distribution of Carbide Phases in PM Nb Steel. Acta Metallurgica Slovaca*, 13, 2007, spec.iss., s.824-828

Dom.iné: ZDRAVECKÁ, E.: *Tribológia povrchových vrstiev. Košice*, 22.4.2008, s. 5-11

TRPČEVSKÁ, J. - JAKUBÉCZYOVÁ, D. - BRIANČIN, J. - ZDRAVECKÁ, E. - ŽORAWSKI, W.: *Thermally Sprayed WC-Co Coatings Prepared by HVOF Method. Acta Metallurgica Slovaca*, 13, 2007, spec.iss., s.861-865

Dom.iné: TKÁČOVÁ, J.: *Tribológia povrchových vrstiev. Košice*, 22.4.2008, s. 38-43

KOVALČÍKOVÁ, A. - ŠPAKOVÁ, J. - DUSZA, J. - BALOG, M. - ŠAJGALÍK, P.: *Microstructure and Mechanical Properties of Liquid-Phase-Sintered SiC+Si₃N₄ Composites. Kovové materiály*, 45, 2007, s.223-229

Dom.WOS: LAPIN, J., GEBURA, M., PELACHOVA, T.: *Kovové materiály*, 46, 2008, 6, p. 313-322

ŠPAKOVÁ, J. - KOVALČÍKOVÁ, A. - KOVALČÍK, J. - DUSZA, J. - LENKEY, G.: *Dynamic Fracture Behaviour of Some Brittle Materials. Kovové materiály*, 45, 2007, s.209-213

Dom.WOS: LAPIN, J., GEBURA, M., PELACHOVA, T.: *Kovové materiály*, 46, 2008, 6, p. 313-322

BIDULSKÝ, R. - RODZIŇÁK, D.: *Vplyv shot peeningu na únavové vlastnosti predlegovaných spekaných ocelí na báze Cr a Mo s prídavkom [0,3-0,7]%C. Materiálové inžinierstvo*, 14, 2007, 3, s.57-60

Zahr.iné: NOVÝ, F., BOKŮVKA, O., CHALUPOVÁ, M., VALOVIČOVÁ, V. In: *Borkowski, S.: Quality of Materials and Products. Saint Petersburg : PPAUR*, 2008, s. 71-76

Zahr.iné: NOVÝ, F., BOKŮVKA, O., ČINČALA, M. In: *Nowe technologie i osiągnięcia w metalurgii i inżynierii materialowej. Czestochowa : Wyd. Politechniki Czestochowskiej*, 2008, s. 291-294

Dom.iné: NOVÝ, F., BOKŮVKA, O., CHALUPOVÁ, M., VALOVIČOVÁ, V.: *Acta Mechanica Slovaca*, 12, 2008, 4-B, s. 209-214

Zahr.iné: KOPAS, P., NOVÝ, F., HANDRIK, M., BOKŮVKA, O., SÁGA, M. In: *Borkowski, S.: Quality of Materials and Products. Saint Petersburg : PPAUR*, 2008, s. 39-43

Dom.iné: NOVÝ, F., BOKŮVKA, O., CHALUPOVÁ, M., MOTÝLOVÁ, E.: *Materials Engineering*, 15, 2008, 2a, s. 79-84

JÓVÁRI, P. - SAKSL, K. - PRYDS, N. - LEBECH, B. - BAILEY, N. - MELLERGARD, A. - DELAPLANE, R. - FRANZ, H.: *Atomic Structure of Glassy Mg₆OCu₃OY₁O Investigated with EXAFS, X-Ray and Neutron Diffraction, and Reverse Monte Carlo Simulations. Physical Review B*, 76, 2007, s.054208

Zahr.WOS: SHENG, HW., CHENG, YQ., LEE, PL.: *Acta Materialia*, 56, 2008, 20, p. 6264-6272

JAKUBÉCZYOVÁ, D. - SAVKOVÁ, J. - HAGAROVÁ, M.: *Tribologické merania na tenkých povlakoch deponovaných PVD-metódou. In: Vrstvy a povlaky 2007. 6. ročník konferencie. Rožnov pod Radhoštěm, 29.-30.10.2007. Trenčín : Digital Graphic 2007*, s.159-162

Dom.iné: ZDRAVECKÁ, E.: *Tribológia povrchových vrstiev. Košice*, 22.4.2008, s. 5-11

SAKSL, K. - VOJTĚCH, D. - FRANZ, H.: *Quasicrystal-Crystal Structural Transformation in Al-5 wt.% Mn Alloy. Journal of Materials Science*, 42, 2007, s.7198-7201

Zahr.WOS: ZUPANIC, F., BONCINA, T., ROZMAN, N.: *Zeitschrift fur Kristallographie*, 223, 2008, 11/12, p. 735-738

ČAJKOVÁ, L.: *Pevnosť a húževnatosť moderných vysokopevných spekaných ocelí. Dizertačná práca. Košice : ÚMV SAV 2007*, 177 s.

Dom.iné: BIDULSKÝ, R., ACTIS-GRANDE, M., KABÁTOVÁ, M.: *Powder Metallurgy Progress*, 8, 2008, 3, p. 196-199

TRPČEVSKÁ, J. - ŽORAWSKI, W. - JAKUBÉCZYOVÁ, D. - BRIANČIN, J. - ZDRAVECKÁ, E.: *Investigation of Microstructures of Plasma and HVOF Sprayed Carbide Coatings. Powder Metallurgy Progress*, 7, 2007, 1, s.52-58

Dom.iné: TKÁČOVÁ, J.: *Tribológia povrchových vrstiev. Košice*, 22.4.2008, s. 38-43

GALLO, J. - STEWART, T. - NOVOTNÝ, R. - DUSZA, J. - GALUSEK, D.: *Early fracture of a plasma cup ceramic liner: a case report and surface analysis. Biomedical Papers of the Medical Faculty of the University Palacký*, 151, 2007, s.341-346

Scopus: REGIS, D., SANDRI, A., BARTOLOZZI, P.: *Orthopedics*, 31, 2008, p. 1041

BRUNCKOVÁ, H. - MEDVECKÝ, L. - MIHALIK, J.: *Effect of Sintering Conditions on the Pyrochlore Phase Content in PMN-PFN Ceramics Prepared by Sol-Gel Process. Journal of the European Ceramic Society, 28, 2008, s.123-131*
Zahr.WOS: GIERE, A., ZHOU, X., PAUL, F.: *Frequenz, 62, 2008, 3/4, p. 47-51*
Zahr.WOS: CHEN, C., NA, GL.: *Journal of Materials Science, 43, 2008, 15, p. 5109-5114*

ŠTULAJTEROVÁ, R. - MEDVECKÝ, L.: *Effect of Calcium Ions on Transformation Brushite to Hydroxyapatite in Aqueous Solution. Colloids and Surfaces A, 316, 2008, s.104-109*
Zahr.WOS: YUSUFOGLU, Y., HU, Y., KANAPATHIPILLAI, M.: *Journal of Materials Research, 23, 2008, 12, p. 3196-3212*

BIDULSKÁ, J. - BIDULSKÝ, R. - KVAČKAJ, T.: *Fraktografická analýza Al zliatiny EN AW 2014. In: Materiál v inžinierskej praxi 2008. 7. vedecko-technická konferencia. Herľany, 15.-17.1.2008. Ed. M. Mihaliková, J. Štaba. Košice : HF TU 2008, s.113-116*

Dom.iné: PERNIS, R., BOŘUTA, J., BOŘUTA, A.: *Transfer 2008. 10. medzinárodná vedecká konferencia. Trenčín, 27.-28.11.2008. Trenčín : FŠT TU, 2008, CD*

Dom.iné: ŠPÁNIK, J., PERNIS, I.: *Transfer 2008. 10. medzinárodná vedecká konferencia. Trenčín, 27.-28.11.2008. Trenčín : FŠT TU, 2008, CD*

Dom.iné: PERNIS, R., KASALA, J., JURENOVÁ, J.: *Transfer 2008. 10. medzinárodná vedecká konferencia. Trenčín, 27.-28.11.2008. Trenčín : FŠT TU, 2008, CD*

BIDULSKÁ, J. - KVAČKAJ, T. - BIDULSKÝ, R.: *Vplyv podmienok spracovania na vlastnosti materiálu EN AW 2014. In: Metal 2008. 17. medzinárodná konferencia metalurgie a materiálov. Hradec nad Moravicí, 13.-15.5.2008. Ostrava : Tanger, s.r.o. 2008, s.CD ROM*

Dom.iné: ŠPÁNIK, J., PERNIS, I.: *Transfer 2008. 10. medzinárodná vedecká konferencia. Trenčín, 27.-28.11.2008. Trenčín : FŠT TU, 2008, CD*

Dom.iné: PERNIS, R., KASALA, J., JURENOVÁ, J.: *Transfer 2008. 10. medzinárodná vedecká konferencia. Trenčín, 27.-28.11.2008. Trenčín : FŠT TU, 2008, CD*

Dom.iné: PERNIS, R., BOŘUTA, J., BOŘUTA, A.: *Transfer 2008. 10. medzinárodná vedecká konferencia. Trenčín, 27.-28.11.2008. Trenčín : FŠT TU, 2008, CD*