

TECHNICKÁ UNIVERZITA V KOŠICIACH
FAKULTA MATERIÁLOV, METALURGIE A RECYKLÁCIE

**ZOZNAM PÔVODNÝCH PUBLIKOVANÝCH
VEDECKÝCH, ODBORNÝCH PRÁC A
CITÁCIÍ NA VEDECKÉ A ODBORNÉ PRÁCE**

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Košice, 2017

Technická univerzita v Košiciach
Prehľad publikačnej činnosti vrátane ohlasov
Autor: BIDULSKÁ, Jana
Dátum generovania výstupu: 8. 9. 2017, 11:45:11

Skupina A1 - Knižné publikácie charakteru vedeckej monografie (AAA, AAB, ABA, ABB, ABC, ABD)

Počet záznamov: 3

ABC - Kapitoly vo vedeckých monografiách vydané v zahraničných vydavateľstvách (3)

Skupina A2 - Ostatné knižné publikácie (ACA, ACB, BAA, BAB, BCB, BCI, EAI, CAA, CAB, EAJ, FAI)

Počet záznamov: 4

ACB - Vysokoškolské učebnice vydané v domácich vydavateľstvách (1)

BAB - Odborné monografie vydané v domácich vydavateľstvách (1)

BCI - Skriptá a učebné texty (2)

Skupina B - Publikácie v karentovaných vedeckých časopisoch a autorské osvedčenia, patenty a objavy (ADC, ADD, AEG, AEH, BDC, BDD, CDC, CDD, AGJ)

Počet záznamov: 53

ADC - Vedecké práce v zahraničných karentovaných časopisoch (51)

ADD - Vedecké práce v domácich karentovaných časopisoch (2)

Skupina C - Ostatné recenzované publikácie (ACC, ACD, ADE, ADF, AEC, AED, AFA, AFB, AFC, AFD, AFE, AFF, AFG, AFH, BBA, BBB, BCK, BDA, BDB, BDE, BDF, BEC, BED, BFA, BFB, BGH, CDE, CDF)

Počet záznamov: 63

ADE - Vedecké práce v zahraničných nekarentovaných časopisoch (12)

ADF - Vedecké práce v domácich nekarentovaných časopisoch (17)

AEC - Vedecké práce v zahraničných recenzovaných vedeckých zborníkoch, monografiách (3)

AFA - Publikované pozvané príspevky na zahraničných vedeckých konferenciách (2)

AFC - Publikované príspevky na zahraničných vedeckých konferenciách (11)

AFD - Publikované príspevky na domácich vedeckých konferenciách (10)

AFG - Abstrakty príspevkov zo zahraničných konferencií (1)

AFH - Abstrakty príspevkov z domácich konferencií (4)

BFA - Abstrakty odborných prác zo zahraničných podujatí (konferencie...) (3)

Skupina N - Nové kategórie EPC v zmysle Vyhlášky č. 456/2012 (ADM, ADN, AEM, AEN, BDM, BDN, CBA, CBB)

Počet záznamov: 9

ADM - Vedecké práce v zahraničných časopisoch registrovaných v databázach Web of Science alebo SCOPUS (4)

ADN - Vedecké práce v domácich časopisoch registrovaných v databázach Web of Science alebo SCOPUS (5)

Skupina D - Ostatné - mimo kategórií MŠSR

Počet záznamov: 3

BEF - Odborné práce v domácich nerecenzovaných zborníkoch (konferenčných aj nekonferenčných) (1)

DAI - Dizertačné a habilitačné práce (2)

Počet záznamov spolu: 135

Menný zoznam publikácií:

ABC - Kapitoly vo vedeckých monografiách vydané v zahraničných vydavateľstvách(3)

ABC001 [101403] **Nanostructure formation and properties in some Al alloys after SPD and heat treatment** / Tibor Kvackaj ... [et al.] - 2010.In: Ductility of Bulk Nanostructured Materials. - Switzerland: Trans Tech Publications, 2010 P. 273-302. - ISBN 978-0-87849-305-0 Spôsob prístupu:

<http://www.scientific.net/MSF.633-634.273>.

[KVAČKAJ, Tibor (20%) - BIDULSKÁ, Jana (20%) - FUJDA, Martin (20%) - KOČIŠKO, Róbert (20%) - POKORNÝ, Imrich (10%) - MILKOVIČ, Ondrej (10%)]

Ohlasy:

2010 [2] PRZONDZIONO, J., et al. Electrochemical corrosion of magnesium alloy AZ31 in NaCl solutions In: Acta Metallurgica Slovaca Roč. 16, č. 4 (2010), s. 254-260 ISSN: 1335-1532

2010 [2] RUSZ, S., et al. Enhancement of efficiency of SPD process by application of new geometry of ECAP tool In: Acta Metallurgica Slovaca Roč. 16, č. 4 (2010), s. 229-236 ISSN: 1335-1532

2013 [2] IZAIRI, N., et al. Micro-hardness evolution of al-alloy AA 3004, processed by equal channel angular pressing In: Acta Metallurgica Slovaca Roč. 19, č. 4 (2013), s. 302-309 ISSN: 1335-1532

2014 [1] GOODARZY, M.H. et al. The effects of room temperature ECAP and subsequent aging on mechanical properties of 2024 Al alloy In: Journal of Alloys and Compounds Vol. 585 (2014), p. 753-759 ISSN: 0925-8388

ABC002 [117683] **Effect of Severe Plastic Deformation on the Properties and Structural Developments of High Purity Al and Al-Cu-Mg-Zr Aluminium Alloy** / Tibor Kvačkaj ... [et al.] - 2011. In: Aluminium Alloys, Theory and Applications. - Rijeka : InTech, 2011 P. 3-26. - ISBN 978-953-307-244-9 [KVAČKAJ, Tibor (40%) - BIDULSKÁ, Jana (20%) - KOČIŠKO, Róbert (30%) - BIDULSKÝ, Róbert (10%)]

ABC003 [117684] **An Evaluation of Severe Plastic Deformation on the Porosity Characteristics of Powder Metallurgy Aluminium Alloys Al-Mg-Si-Cu-Fe and Al-Zn-Mg-Cu** / Róbert Bidulský ... [et al.] - 2011. In: Aluminium Alloys, Theory and Applications. - Rijeka : InTech, 2011 P. 27-48. - ISBN 978-953-307-244-9 [BIDULSKÝ, Róbert (35%) - ACTIS GRANDE, Marco (1%) - BIDULSKÁ, Jana (30%) - KOČIŠKO, Róbert (25%) - KVAČKAJ, Tibor (9%)]

ACB - Vysokoškolské učebnice vydané v domácich vydavateľstvách(1)

ACB001 [180106] **Vybrané kapitoly zo skúšania tvárniteľnosti tenkých oceľových plechov** / Jana Bidulská, Martin Vlado, Róbert Bidulský - 1. vyd - Košice : TU - 2017. - 168 s.. - ISBN 978-80-553-3141-6. [BIDULSKÁ, Jana (34%) - VLADO, Martin (33%) - BIDULSKÝ, Róbert (33%)]

ADC - Vedecké práce v zahraničných karentovaných časopisoch(51)

ADC001 [78738] **A study of the hot formability of an Al-Cu-Mg-Zr alloy** / S. Spigarelli ... [et al.] - 2003. In: Journal of Materials Science. Vol. 38, no. 1 (2003), p. 81-88. - ISSN 0022-2461 Spôsob prístupu: <http://www.springerlink.com/content/ln07823241650v24/fulltext.pdf>. [SPIGARELLI, Stefano (25%) - CABIBBO, Marcello (25%) - EVANGELISTA, Enrico (25%) - BIDULSKÁ, Jana (25%)]

Ohlasy:

2004 [1] CAVALIÈRE, P., CERRI, E., LEO, P. A study of the response of a Zr-modified 2014 aluminium alloy subjected to fatigue loading In: Materials Forum Vol. 28, no. (2004), p. 172-177 ISSN: 0883-2900

2011 [1] LI, I., et al. Deformation behavior of an Al-Cu-Mg-Mn-Zr alloy during hot compression In: Journal of Materials Science Vol. 46, no. 11 (2011), p. 3708-3715 ISSN: 0022-2461

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2006 [1] CAVALIERE, P. Effect of friction stir processing on the fatigue properties of a Zr-modified 2014 aluminium alloy In: Materials Characterization Vol. 57, no. 2 (2006), p. 100-104 ISSN: 1044-5803

- 2010 [2] PERNIS, R., KASALA, J., BOŘUTA, J. High temperature plastic deformation of CuZn30 brass - calculation of the activation energy In: Kovove materialy Roč. 48, č. 1 (2010), s. 41-46 ISSN: 0023-432X
- 2010 [1] VASEGHI, M. et al. Dynamic ageing and the mechanical response of Al-Mg-Si alloy through equal channel angular pressing In: Materials Design Vol. 31, no. 9 (2010), p. 4076-4082 ISSN: 0261-3069
- 2012 [1] BANERJEE, S., ROBI, P.S, SRINIVASAN, A. Prediction of hot deformation behavior of Al-5.9%Cu-0.5%Mg alloys with trace additions of Sn In: Journal of Materials Science Vol. 47, no. 2 (2012), p. 929-948 ISSN: 0022-2461
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- 2006 [1] CAVALIERE, P. Effect of minor Sc and Zr addition on the mechanical properties of Friction Stir Processed 2024 aluminium alloy In: Journal of Materials Science Vol. 41, no. 13 (2006), p. 4299-4302 ISSN: 0022-2461
- 2008 [1] KVACKAJ, T., et al. Ultra Fine Structure and Properties Formation of EN AW 6082 Alloy In: High Temperature Materials and Processes Vol. 27, no. 3 (2008), p. 193-202 ISSN: 0334-6455
- 2007 [1] CAVALIERE, P., DE MARCO, P.P. Friction stir processing of a Zr-modified 2014 aluminium alloy In: Materials Science and Engineering A Vol. 462, no. 1-2 (2007), p. 206-210 ISSN: 0921-5093
- 2004 [1] CAVALIERE, P. Study of a zirconium modified 2014 aluminum alloy: Analysis of the best warm forming conditions In: Nato science series, series 2 : Mathematics, Physics and Chemistry : Metallic Materials with high Structural Efficiency Vol. 146 (2004), p. 169-178 ISBN: 1-4020-2059-7
- 2004 [1] CAVALIERE, P. Study of fatigue resistance properties of a zirconium modified 2014 aluminum alloy In: NATO Advanced Research Workshop on Metallic Materials with High Structure Efficiency : Kiev, Ukraine, Sep 07-13, 2003 Vol. 146 (2004), p. 179-188 ISBN: 1-4020-2059-7
- 2010 [1] BANERJEE, S., ROBI, P. S., SRINIVASAN, A. et al. High temperature deformation behavior of Al-Cu-Mg alloys micro-alloyed with Sn In: Materials Science and Engineering A Vol. 527, no. 10-11 (2010), p. 2498-2503 ISSN: 0921-5093
- 2011 [1] CEPEDA-JIMENEZ, C. M., HIDALGO, P., CARSI, M. et al. Microstructural characterization by electron backscatter diffraction of a hot worked Al-Cu-Mg alloy In: Materials Science and Engineering A Vol. 528, no. 7-8 (2011), p. 3161-3168 ISSN: 0921-5093
- 2011 [1] ELHADARI, H. A., PATEL, H. A., CHEN, D. L. et al. Tensile and fatigue properties of a cast aluminum alloy with Ti, Zr and V additions In: Materials Science and Engineering A Vol. 528, no. 28 (2011), p. 8128-8138 ISSN: 0921-5093
- 2012 [1] BABU, N.K. et al. Microstructural characterization and grain refinement of AA6082 gas tungsten arc welds by scandium modified fillers In: Materials Chemistry and Physics Vol. 137, no. 2 (2012), p. 543-551 ISSN: 0254-0584
- 2015 [1] SHAHA, S.K. et al. Improving high-temperature tensile and low-cycle fatigue behavior of Al-Si-Cu-Mg alloys through micro-additions of Ti, V, and Zr In: Metallurgical and Materials Transactions A-Physical Metallurgy and Materials Science Vol. 46A, no. 7 (2015), p. 3063-3078 ISSN: 1073-5623
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2016 [1] SHAHA, S.K. et al. Ageing characteristics and high-temperature tensile properties of Al-Si-Cu-Mg alloys with micro-additions of Cr, Ti, V and Zr In: Materials Science and Engineering A Vol. 652 (2016), p. 353-364 ISSN: 0921-5093

2016 [1] IKESHITA, Sumiha et al. Hardness and microstructural variation of Al-Mg-Mn-Sc-Zr alloy In: Micron Vol. 82 (2016), p. 1-8 ISSN: 0968-4328

2016 [1] SHAHA, S. K. et al. Effect of transition metals on energy absorption during strain-controlled fatigue of an aluminum alloy In: International Journal of Fatigue Vol. 87 (2016), p. 456-470 ISSN: 0142-1123

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ADC002 [90812] **Effect of various processing conditions on the tensile properties and structural developments of EN AW 2014 aluminium alloy** / Jana Bidulská ... [et al.] - 2008. In: High Temperature Materials and Processes. Vol. 27, no. 3 (2008), p. 203-207. - ISSN 0334-6455 [BIDULSKÁ, Jana (40%) - KVAČKAJ, Tibor (15%) - BIDULSKÝ, Róbert (30%) - ACTIS GRANDE, Marco (15%)]

Ohlasy:

2010 [1] KOČIŠKO, R., et al. The mechanical properties changes of OFHC copper after ECAP processing In: Chemicke Listy Vol. 104, no. 15 (2010), p. S330-S333 ISSN: 0009-2770

ADC003 [101422] **Wear mechanism of chromium pre-alloyed sintered steel** / Róbert Bidulský ... [et al.] - 2009. In: High Temperature Materials and Processes. Vol. 28, no. 3 (2009), p. 175-180. - ISSN 0334-6455 Spôsob prístupu: http://www.scopus.com/record/display.url?eid=2-s2.0-77949806588&origin=resultslist&sort=plf-f&src=s&st1=bidulska&sid=B9fNWHURE_Az0QIk7lhc1EK%3a30&sot=b&sdt=b&sl=21&s=AUTHOR-NAME%28bidulska%29&relpos=6&relpos=6

[BIDULSKÝ, Róbert (50%) - ACTIS GRANDE, Marco (15%) - BIDULSKÁ, Jana (15%) - VLADO, Martin (10%) - KVAČKAJ, Tibor (10%)]

Ohlasy:

2012 [1] BREZINOVÁ, J., GUZANOVÁ, A. Possibilities of Utilization High Velocity Oxygen Fuel (HVOF) Coatings in Conditions of Thermal Cyclic Loading In: Metalurgija Vol. 51, no. 2 (2012), p. 211-215 ISSN: 0543-5846

2011 [1] SHATSOV, A.A., RYAPOSOV, I.V., LARININ, D.M. Model of fracture, friction and wear phenomena of porous iron In: Advances in Tribology ISSN: 1687-5915

2011 [1] GILL, S.S. et al. Flank Wear and Machining Performance of Cryogenically Treatment Tungsten Carbide Inserts In: Materials and Manufacturing Processes Vol. 16, no. 11 (2011), p. 1430-1441 ISSN: 1042-6914

2012 [1] BREZINOVA, J., GUZANOVA, A., EGRI, M. Change in properties of HVOF coatings under conditions of thermal cyclic loading In: Chemicke Listy Vol. 106, no. S3 (2012), p. s383-s386 ISSN: 0009-2770

2011 [4] EGRI, M., BREZINOVÁ, J., MALEJČÍK, J. Hodnotenie tribologických vlastností povlakov na báze WC-Co, WC-Co-Cr a Cr3C2-25NiCr In: Transfer inovácií Č. 20 (2011), s. 99-103 ISSN: 1337-7094

2011 [3] BREZINOVÁ, J. Hodnotenie tribologických vlastností funkčných povlakov aplikovaných technológiou vysokorychlostného striekania In: Povrchová úprava Vol. 7, no. 11 (2011), p. 4-7 ISSN: 1801-707X

2012 [2] HRYHA, E., NYBORG, L. Process control system for delubrication of PM steels In: Acta Metallurgica Slovaca Roč. 18, č. 2-3 (2012), s. 60-68 ISSN: 1335-1532

2013 [2] NOVÁK, P., et al. Effect of alloying elements on properties of pm Ti-Al-Si alloys In: Acta Metallurgica Slovaca Roč. 19, č. 4 (2013), s. 240-246 ISSN: 1335-1532

2015 [2] ČERŇAN, J. et al. The tribological properties of the coated sintered material In: Acta Metallurgica Slovaca Vol. 21, no. 1 (2015), p. 44-52 ISSN: 1335-1532

ADC004 [101425] **Apparent activation energy for high-temperature deformation of EN AW 2014** / Jana Bidulská ... [et al.] - 2009. In: High Temperature Materials and Processes. Vol. 28, no. 5 (2009), p. 315-321. - ISSN 0334-6455 Spôsob prístupu: http://www.scopus.com/record/display.url?eid=2-s2.0-77953653198&origin=resultslist&sort=plf-f&src=s&st1=bidulska&sid=B9fNWHURE_Az0QIk7lhc1EK%3a30&sot=b&sdt=b&sl=21&s=AUTHOR-NAME%28bidulska%29&relpos=7&relpos=7.

[BIDULSKÁ, Jana (30%) - POKORNÝ, Imrich (20%) - KVAČKAJ, Tibor (20%) - BIDULSKÝ, Róbert (20%) - ACTIS GRANDE, Marco (10%)]

Ohlasy:

2011 [2] BELLA, P., et al. Numerical Simulation of Extrusion Elbows In: Acta Metallurgica Slovaca Roč. 17, č. 3 (2011), s. 200-206 ISSN: 1335-1532

2011 [2] PERNIS, R., KASALA, J. Deformation Distribution in Rolling Zone In: Acta Metallurgica Slovaca Roč. 17, č. 3 (2011), s. 150-157 ISSN: 1335-1532

ADC005 [101426] **Effect of high-temperature sintering and severe plastic deformation on the porosity distribution** / Róbert Bidulský, Jana Bidulská, Marco Actis Grande - 2009. In: High Temperature Materials and Processes. Vol. 28, no. 5 (2009), p. 337-342. - ISSN 0334-6455 Spôsob prístupu: http://www.scopus.com/record/display.url?eid=2-s2.0-77953701559&origin=resultslist&sort=plf-f&src=s&st1=bidulska&sid=B9fNWHURE_Az0QIk7lhc1EK%3a30&sot=b&sdt=b&sl=21&s=AUTHOR-NAME%28bidulska%29&relpos=8&relpos=8.

[BIDULSKÝ, Róbert (40%) - BIDULSKÁ, Jana (40%) - ACTIS GRANDE, Marco (20%)]

Ohlasy:

2011 [2] PERNIS, R., KASALA, J. Deformation distribution in rolling zone In: Acta Metallurgica Slovaca Roč. 17, č. 3 (2011), s. 150-157 ISSN: 1335-1532

2010 [2] KVAČKAJ, M., et al. Finite element analysis of deformation behaviour in equal channel angular rolling process In: Acta Metallurgica Slovaca Roč. 16, č. 2 (2010), s. 84-90 ISSN: 1335-1532

2012 [1] KVACKAJ, T., et al. TEM studies of structure in OFHC copper processed by equal channel angular rolling In: Micron Vol. 43, no. 6 (2012), p. 720-724 ISSN: 0968-4328

2011 [2] BELLA, P., et al. Numerical simulation of extrusion elbows In: Acta Metallurgica Slovaca Roč. 17, č. 3 (2011), s. 150-157 ISSN: 1335-1532

2011 [1] KOVÁČOVÁ, A. et al. The influence of severe plastic deformation on the formation of nanostructures in OFHC copper In: Chemické Listy Vol. 105, no. 16 (2011), p. s523-s525 ISSN: 0009-

2770

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2010 [4] KOČIŠKO, R., KVAČKAJ, T., KVAČKAJ, M. Influence of Severe Plastic Deformation on Structural Developments of High Purity Al In: Acta Metallurgica Slovaca Roč. 1, č. 3 (2010), s. 104-109 ISSN: 1338-1660

2011 [3] KOVÁČOVÁ, A. et al. Impact of strain rate on Cu mechanical properties In: Inzynieria Materialowa Vol. 32, no. 1 (2011), p. 22-25 ISSN: 0208-6247

2011 [3] KVAČKAJ, M. et al. Mathematical simulation of deformation behaviour in Equal Channel Angular Rolling process In: Inzynieria Materialowa Vol. 32, no. 1 (2011), p. 86-89 ISSN: 0208-6247

2010 [4] KOVÁČOVÁ, A. et al. Study of OFHC copper behaviour during static tensile test In: Acta Metallurgica Slovaca Roč. 1, č. 3 (2010), s. 115-118 ISSN: 1338-1660

2012 [1] KVAČKAJ, T., KOČIŠKO, R., KOVÁČOVÁ, A. Local analysis of plastic deformation in ECAP and ECAR processes In: Chemické Listy Vol. 106, no. SI supplement 3 (2012), p. S464-S467 ISSN: 0009-2770

2013 [4] BALLÓKOVÁ, Beata, KVAČKAJ, Tibor, HVIZDOŠ, Pavol Fracture analysis and local mechanical properties of copper processed by ECAR In: Acta Metallurgica Slovaca - Conference [online] Roč. 3 (2013), s. 259-263 ISSN: 1338-1660

2015 [1] KVACKAJ, T., KOVACOVA, A., KOCISKO, R. Post SPD material's recovery in thermal exposition In: Acta Physica Polonica A Vol. 128, no. 4 (2015), p. 689-692 ISSN: 0587-4246

2014 [2] KVACKAJ, T., et al. Relation between microstructural features and mechanical properties in oxygen free high conductivity copper after equal-channel angular pressing In: Kovove Materialy Vol. 52, no. 6 (2014), p. 337-344 ISSN: 0023-432X

2014 [2] KVACKAJ, T. et al. Determination of ductile fracture criteria for bulk and PM materials In: Kovove Materialy Vol. 52, no. 5 (2014), p. 249-254 ISSN: 0023-432X

2014 [2] BESTERCI, M. et al. High temperature mechanical properties of AL-AL4C3 composite produced by mechanical alloying In: Acta Metallurgica Slovaca Roč. 20, č. 3 (2014), s. 326-340 ISSN: 1335-1532

2014 [2] KOVÁČOVÁ, A. et al. Physical and numerical determination of workability in aluminium alloys In: Acta Metallurgica Slovaca Roč. 20, č. 3 (2014), s. 279-286 ISSN: 1335-1532

2014 [2] JANEČEK, M., STRÁSKÁ, J., ČIŽEK, J. Microstructure and mechanical properties of ultra-fine grained AZ31 alloy processed by ECAP In: Acta Metallurgica Slovaca Roč. 20, č. 3 (2014), s. 258-264 ISSN: 1335-1532

ADC006 [90824] **Effect of varying carbon content and shot peening upon fatigue performance of prealloyed sintered steels** / R. Bidulský ... [et al.] - 2009. In: Journal of Materials Science & Technology. Vol. 25, no. 5 (2009), p. 607-610. - ISSN 1005-0302 Spôsob prístupu: <http://www.jmst.org>.

[BIDULSKÝ, Róbert (70%) - ACTIS GRANDE, Marco (10%) - KABÁTOVÁ, Margita (10%) - BIDULSKÁ, Jana (10%)]

Ohlasy:

2011 [1] NOVY, F., BOKUVKA, O., ŠKORÍK, V. Influence of machining and glass bead peening on fatigue resistance of AW- 6082-T6 aluminium alloy In: Chemické Listy Vol. 105, no. 16 (2011), p. s494-s496 ISSN: 0009-2770

2011 [1] BOKUVKA, O. et al. High cycle and ultra high cycle fatigue of AISI 316l and AISI 316TI stainless steels In: Chemicke Listy Vol. 105, no. 16 (2011), p. s624-s626 ISSN: 0009-2770

2011 [1] NOVY, F., BOKUVKA, O., PALCEK, P. Effect of inclusions on very high cycle behaviour in a ferritic corrosion resisting steel In: Procedia Engineering Vol. 10, no. (2011), p. 1408-1413 ISSN: 1877-7058

2012 [1] BARAGETTI, S. et al. Effect of shot peening on the fatigue behavior of some sintered steels In: Key Engineering Materials Vol. 488-489 (2012), p. 511-514 ISSN: 1013-9826

2009 [2] SAS, J., ČERNÍK, M., VLADO, M. Effect of deformation and temperature on anisotropy and residual stress of if steel In: Acta Metallurgica Slovaca Roč. 15, č. 4 (2009), s. 234-240 ISSN: 1335-1532

2010 [2] NOVY, F., MINTACH, R., BOKUVKA, O. Effect of galvanic metallization, PVD processes and thermal spraying on fatigue properties of plain structural steels in the ultra-high-cycle regime In: Komunikacie Roč. 12, č. 4 (2010), s. 49-54 ISSN: 1335-4205

2012 [1] BISWAS, P. et al. Fatigue failure, residual stress and misorientation- a possible correlation In: Materials Science Forum Vol. 702-703 (2012), p. 307-310 ISSN: 0255-5476

2010 [1] HRYHA, E., et al. Surface composition of the steel powders pre-alloyed with manganese In: Applied Surface Science Vol. 256, no. 12 (2010), p. 3946-3961 ISSN: 0169-4332

2011 [2] HADZIMA, B., BUKOVINOVÁ, L. Electrochemical characteristics of shot-peened and phosphatized AE21 magnesium alloy In: Acta Metallurgica Slovaca Roč. 17, č. 4 (2011), s. 228-235 ISSN: 1335-1532

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[BIDULSKÝ, Róbert (85%) - ACTIS GRANDE, Marco (5%) - BIDULSKÁ, Jana (5%) - FORNO, Ilaria (5%)]

ADC034 [136752] **Role of microstructure discontinuities in the soft magnetic composites with aluminium alloy addition** / R. Bidulský, J. Bidulská, M. Actis Grande - 2013. In: Archives of Metallurgy and Materials. Vol. 58, no. 2 (2013), p. 365-370. - ISSN 1733-3490 Spôsob prístupu:

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ADC038 [147447] **Analysis of densification process and structure of PM Al-Mg-Si-Cu-Fe and Al-Zn-Mg-Cu-Sn alloys** / R. Bidulský, J. Bidulská, M. Actis Grande - 2014. In: Archives of Metallurgy and Materials. Vol. 59, no. 1 (2014), p. 17-23. - ISSN 1733-3490 Spôsob prístupu: http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=1&SID=R15ewYchnWVssOOEQw9&page=1&doc=1.

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ADC040 [148605] **Analysis of the Fracture Surfaces of New Development Insulated Iron Powder**

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[KVAČKAJ, Tibor (20%) - BELLA, Peter (1%) - BIDULSKÝ, Róbert (18%) - KOČIŠKO, Róbert (18%) - PETROUŠEK, Patrik (10%) - FEDORIKOVÁ, Alica (10%) - BIDULSKÁ, Jana (10%) - JANDAČKA, Petr (1%) - LUPTÁK, Miloslav (10%) - ČERNÍK, Martin (1%) - PERNIS, Rudolf (1%)]

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[KOVÁČOVÁ, Andrea (55%) - KVAČKAJ, Tibor (15%) - BIDULSKÝ, Róbert (5%) - BIDULSKÁ, Jana (5%) - KOČIŠKO, Róbert (10%) - DUTKIEWICZ, Jan (5%) - LITYNSKA-DOBRZYNSKA, Lidia (5%)]

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ADM001 [147421] **Sliding wear of coated prealloyed sintered chromium steel** / Róbert Bidulský, Jana Bidulská, Marco Actis Grande - 2013. In: Strojárstvo. Vol. 55, no. 3 (2013), p. 197-201. - ISSN 0562-1887 Spôsob prístupu: <http://www.scopus.com/record/display.url?eid=2-s2.0-84902126648&origin=resultslist&sort=plf-f&src=s&sid=0FD8D2E5F018F0877224013B2B1DD0F9.WXhD7YyTQ6A7Pvk9AIA%3a2730&sot=outdoc&sdt=outdocs&sl=18&s=AU-ID%2816302957200%29&relpos=9&relpos=9&citeCnt=0&searchTerm=>. [BIDULSKÝ, Róbert (60%) - BIDULSKÁ, Jana (30%) - ACTIS GRANDE, Marco (10%)]

ADM002 [177625] **Mechanical properties of powder CoCrW-alloy prepared by AM technology** / Alica Fedoriková ... [et al.] - 2016. In: MM Science Journal. Vol. 2016, no. December (2016), p. 1586-1589. -

ISSN 1805-0476 Spôsob prístupu:

http://www.mmscience.eu/content/file/archives/MM_Science_2016189.pdf.

[FEDORIKOVÁ, Alica (30%) - HUDÁK, Radovan (10%) - ŽIVČÁK, Jozef (10%) - BIDULSKÝ, Róbert (10%) - PETROUŠEK, Patrik (10%) - BIDULSKÁ, Jana (10%) - KOČIŠKO, Róbert (10%) - RAJŤUKOVÁ, Viktória (10%)]

ADM003 [179242] **A new approach to heat treatment of high-strength powder steels** / R. Bidulský, J. Bidulská, M. A. Grande - 2016. In: Metallovedenie i termicheskaya obrabotka metallov. Vol. 738, no. 12(2016), p. 38-42. - ISSN 0026-0819
[BIDULSKÝ, Róbert (50%) - BIDULSKÁ, Jana (49%) - ACTIS GRANDE, Marco (1%)]

ADM004 [179092] **Mechanical properties and porosity of Ti-6Al-4V alloy prepared by AM technology** / Patrik Petroušek ... [et al.] - 2017. In: MM Science Journal. Vol. 2017, no. 2 (2017), p. 1752-1755. - ISSN 1803-1269
[PETROUŠEK, Patrik (30%) - BIDULSKÁ, Jana (10%) - BIDULSKÝ, Róbert (10%) - KOČIŠKO, Róbert (10%) - FEDORIKOVÁ, Alica (10%) - HUDÁK, Radovan (10%) - RAJŤUKOVÁ, Viktória (10%) - ŽIVČÁK, Jozef (10%)]

ADN - Vedecké práce v domácich časopisoch registrovaných v databázach Web of Science alebo SCOPUS(5)

ADN001 [154325] **Analysis of metallic materials for ITER with the emphasis on copper alloys** / Tibor Kvačkaj ... [et al.] - 2014. In: Acta Metallurgica Slovaca. Roč. 20, č. 4 (2014), s. 397-404. - ISSN 1335-1532 Spôsob prístupu: <http://www.scopus.com/record/display.url?eid=2-s2.0-84919330856&origin=resultslist&sort=plf-f&src=s&st1=kvackaj%2ct&sid=A90BE475BBE0C8C56EA13A159DB7C8A4.f594dyPDCy4K3aQHRor6A%3a20&sot=b&sdt=b&sl=22&s=AUTHOR-NAME%28kvackaj%2ct%29&relpos=1&relpos=1&citeCnt=0&searchTerm=AUTHOR-NAME%28kvackaj%2ct%29>
[KVAČKAJ, Tibor (60%) - BIDULSKÝ, Róbert (10%) - KOVÁČOVÁ, Andrea (10%) - ILENINOVÁ, Jana (10%) - BIDULSKÁ, Jana (10%)]

Ohlasy:

2016 [2] KOVÁČIK, J., BAKSA, P., EMMER, Š. Electro spark deposition of TiB₂ layers on Ti6Al4V alloy In: Acta Metallurgica Slovaca Roč. 22, č. 1 (2016), s.52-59 ISSN: 1335-1532

ADN002 [156636] **Aluminium alloy addition effects on the behaviour of soft magnetic materials at low frequencies** / Róbert Bidulský ... [et al.] - 2014. In: Acta Metallurgica Slovaca. Roč. 20, č. 3 (2014), s. 271-278. - ISSN 1335-1532 Spôsob prístupu: <http://www.qip-journal.eu/index.php/ams/article/view/351/336>.
[BIDULSKÝ, Róbert (45%) - BIDULSKÁ, Jana (45%) - ACTIS GRANDE, Marco (5%) - FERRARIS, Luca (5%)]

Ohlasy:

2015 [2] KAŠČÁK, Ľ. et al. Clinching hot-dip galvanized steel combined with aluminium alloy In: Acta Metallurgica Slovaca Roč. 21, č. 4 (2015), s. 321-329 ISSN: 1335-1532

ADN003 [162241] **Evaluation of formability of thin sheets based on Al-Mg-Si for automotive industry** / Patrik Petroušek ... [et al.] - 2015. In: Acta Metallurgica Slovaca. Roč. 21, č. 3 (2015), s. 176-183. - ISSN 1335-1532 Spôsob prístupu: <http://www.qip-journal.eu/index.php/ams/article/view/615/583>.
[PETROUŠEK, Patrik (20%) - KVAČKAJ, Tibor (20%) - KOČIŠKO, Róbert (20%) - BIDULSKÝ, Róbert (10%) - BIDULSKÁ, Jana (10%) - FEDORIKOVÁ, Alica (10%) - HLAVA, Tomáš (10%)]

Ohlasy:

2016 [2] EVIN, E., TOMÁŠ, M., VÝROSTEK, M. Quasistatic strain rates' effect to the properties of advanced steels for automotive industry In: Acta Metallurgica Slovaca Roč. 22, č. 1 (2016), p. 14-23 ISSN:

1335-1532

ADN004 [172430] **Hot compression test of 9 Cr-1 Mo steel - numerical simulations** / Alica Fedoriková ... [et al.] - 2016. In: Acta Metallurgica Slovaca. Roč. 22, č. 2 (2016), s. 102-110. - ISSN 1335-1532 [FEDORIKOVÁ, Alica (20%) - KVAČKAJ, Tibor (20%) - KOČIŠKO, Róbert (20%) - BIDULSKÝ, Róbert (19%) - PETROUŠEK, Patrik (10%) - BIDULSKÁ, Jana (10%) - DOMOVCOVÁ, Lucia (1%)]

ADN005 [174331] **The automatic testers in microhardness measurement and ISE effect** / Jozef Petřík ... [et al.] - 2016. In: Acta Metallurgica Slovaca. Roč. 22, č. 3 (2016), s. 195-205. - ISSN 1335-1532 [PETRÍK, Jozef (35%) - BLAŠKO, Peter (35%) - BIDULSKÁ, Jana (10%) - GUZANOVÁ, Anna (10%) - SINAIOVÁ, Iveta (10%)]

AEC - Vedecké práce v zahraničných recenzovaných vedeckých zborníkoch, monografiách(3)

AEC001 [78835] **Mechanical properties and structural investigation of aluminium alloy EN AW 2014 depending on various processing conditions** / Jana Bidulská ... [et al.] - 2008. In: Problems of Modern Techniques in Engineering and Education - 2008. - Cracow : Pedagogical university, 2008 P. 89-94. - ISBN 8387331481

[BIDULSKÁ, Jana (25%) - KVAČKAJ, Tibor (25%) - FUJDA, Martin (20%) - MILKOVIČ, Ondrej (15%) - VOJTKO, Marek (15%)]

Ohlasy:

2008 [1] BIDULSKÝ, R., ACTIS GRANDE, M. Wear Resistance of Fe (Cr-Mo)-[0-2% Cu]-0.65% C Sintered Steels: Improvement of the Characteristics Using High Temperature and Fast Cooling In: High Temperature Materials and Processes Vol. 27, no. 4 (2008), p. 249-256 ISSN: 0334-6455

AEC002 [101431] **Evaluation of the hot workability behaviour of aluminium alloy EN AW 2014** / Jana Bidulská ... [et al.] - 2009. In: Problems of modern techniques in engineering and education 2009. - Cracow : Pedagogical University, 2009 P. 9-14. - ISBN 978-83-929445-0-9

[BIDULSKÁ, Jana (40%) - KVAČKAJ, Tibor (20%) - POKORNÝ, Imrich (20%) - BIDULSKÝ, Róbert (20%)]

AEC003 [101440] **Influence of ECAR process on Cu material properties** / Michal Kvačkaj ... [et al.] - 2009. In: Problems of modern techniques in engineering and education 2009. - Cracow : Pedagogical University, 2009 P. 51-57. - ISBN 978-83-929445-0-9

[KVAČKAJ, Michal (30%) - KVAČKAJ, Tibor (30%) - KOČIŠKO, Róbert (10%) - BIDULSKÁ, Jana (10%) - KOVÁČOVÁ, Andrea (10%) - NĚMETHOVÁ, Lenka (10%)]

Ohlasy:

2010 [2] RUSZ, S. et al. Enhancement of efficiency of SPD process by application of new geometry of ECAP tool In: Acta Metallurgica Slovaca Roč. 16, č. 4 (2010), s. 229-236 ISSN: 1338-1156

AFA - Publikované pozvané príspevky na zahraničných vedeckých konferenciách(2)

AFA001 [153424] **Microstructure, fracture and mechanical properties of ECAPed aluminum PM alloy with respect to the porosity** / Jana Bidulská, Róbert Bidulský, Marco Actis Grande - 2014. In: Materials Science Forum : 8th International Conference on Processing and Manufacturing of Advanced Materials, THERMEC 2013 : Las Vegas, USA, 2-6 December 2013. Vol. 783-786 (2014), p. 108-113. - ISBN 978-3-03835-073-6 - ISSN 0255-5476 Spôsob prístupu: www.scientific.net.

[BIDULSKÁ, Jana (90%) - BIDULSKÝ, Róbert (5%) - ACTIS GRANDE, Marco (5%)]

Ohlasy:

2015 [1] SI, T.Z. et al. Effects of MgH₂-containing precursor addition on the microstructure and mechanical properties of sintered Al alloys In: Materials and Design Vol. 87 (2015), p. 986-991 ISSN: 0264-1275

AFA002 [153504] **From micro to nano scale structure by plastic deformations** / Tibor Kvačkaj, Jana

Bidulská - 2014. In: Materials Science Forum : 8th International Conference on Processing and Manufacturing of Advanced Materials, THERMEC 2013 : Las Vegas, USA, 2-6 December 2013. Vol. 783-786 (2014), p. 842-847. - ISBN 978-303835073-6 - ISSN 0255-5476 Spôsob prístupu: www.scientific.net. [KVAČKAJ, Tibor (90%) - BIDULSKÁ, Jana (10%)]

Ohlasy:

2015 [2] SPIŠÁK, E. et al. Failure of coatings of tinplates In: Acta Metallurgica Slovaca Roč. 21, č. 3 (2015), s. 213-219 ISSN: 1335-1532

2016 [1] SPIŠÁK, E. et al. Analysis of plastic deformation of double reduced sheets In: Acta Mechanica et Automatica Vol. 10, no. 4 (2016), p. 271-274 ISSN: 1898-4088

2016 [2] MOLNÁR, M. et al. Influence of chemical reheating at RH degasser on cleanliness of if steel grades In: Acta Metallurgica Slovaca Roč. 22, č. 2 (2016), p. 95-101 ISSN: 1335-1532

AFC - Publikované príspevky na zahraničných vedeckých konferenciách(11)

AFC001 [0015999] **Vplyv spôsobu úpravy pracovných valcov na mikrogeometriu pozinkovaných ocelových plechov** = Influence modification of working rolls on microgeometry of zinc-coated steel sheets / Jana Bidulská ... [et al.] - 2001. In: Ocelové pásy 2001. - Ostrava : Spoločnosť Ocelové pásy 2001, 2001 P. 187-194.

[BIDULSKÁ, Jana - KVAČKAJ, Tibor - BODÁK, Vlastimil]

Ohlasy:

2011 [1] BIDULSKÝ, R., ACTIS GRANDE, M., KABATOVA, M. Improved fatigue resistance of sintered steels via local hardening In: Chemické Listy Vol. 105, no. 14 (2012), p. s159-s162 ISSN: 0009-2770

AFC002 [78832] **The microgeometry of Zinc-coated steel strips** / Jana Bidulská ... [et al.] - 2001. In: EUROMAT 2001. - Milano : AIM, 2001 6 p. - ISBN 8885298397

[BIDULSKÁ, Jana (20%) - KVAČKAJ, Tibor (20%) - BIDULSKÝ, Róbert (20%) - BODÁK, Vlastimil (20%) - CAVALIERE, Pasquale (20%)]

AFC003 [78833] **Vplyv podmienok spracovania na vlastnosti materiálu EN AW 2014** Influence of treatment conditions on EN AW 2014 material properties / Jana Bidulská, Tibor Kvačkaj, Róbert Bidulský - 2008. In: Metal 2008. - Ostrava : Tanger, 2008 P. 1-7. - ISBN 9788025419878

[BIDULSKÁ, Jana (40%) - KVAČKAJ, Tibor (30%) - BIDULSKÝ, Róbert (30%)]

Ohlasy:

2009 [2] PERNIS, R., KASALA, J., BOŘUTA, J. Hot torsion tests of cartridge brass MS70 In: Acta Metallurgica Slovaca Č. 1 (2009), s. 5-14 ISSN: 1335-1532

AFC004 [90720] **Mechanical properties of hot rolled IF steel** / T. Kvačkaj ... [et al.] - 2009. - 1 elektronický optický disk (CD-ROM). In: Hot forming of steels & product properties : international conference : Grado, Italy, 13-16 September 2009 : proceedings. - Milano : AIM, 2009 P. 1-9. - ISBN 88-85298-72-9

[KVAČKAJ, Tibor (30%) - KRÁL', Mirko (30%) - KVAČKAJ, Michal (10%) - BIDULSKÁ, Jana (10%) - BACSÓ, Július (10%) - NÉMETHOVÁ, Lenka (10%)]

Ohlasy:

2009 [2] SAS, J., ČERNÍK, M., VLADO, M. Effect of deformation and temperature on anisotropy and residual stress of if steel In: Acta Metallurgica Slovaca Roč. 15, č. 4 (2009), s. 234-240 ISSN: 1335-1532

AFC005 [117572] **The Effect of Manganese on Microstructure Development and Diffusion Characteristics in Admixed Fe-Mn-C Sintered Steels** / Róbert Bidulský ... [et al.] - 2010. In: Powder Metallurgy World Congress and Exhibition : proceedings volume 4 : 10. - 14. October 2010, Florence, Italy. - Shrewsbury : EPMA, 2010 P. 1-8. - ISBN 978-1-899072-12-5

[BIDULSKÝ, Róbert (70%) - ACTIS GRANDE, Marco (10%) - HRYHA, Eduard (10%) - BIDULSKÁ, Jana (10%)]

AFC006 [117573] **Compressibility Analysis of Al-Mg-Si-Cu and Al-Zn-Mg-Cu-Sn Aluminium Alloys** / Jana Bidulská, Róbert Bidulský, Marco Actis Grande - 2010.In: Powder Metallurgy World Congress and Exhibition : proceedings volume 4 : 10. - 14. october 2010, Florence, Italy. - Shrewsbury : EPMA, 2010 P. 1-8. - ISBN 978-1-899072-13-2

[BIDULSKÁ, Jana (80%) - BIDULSKÝ, Róbert (10%) - ACTIS GRANDE, Marco (10%)]

AFC007 [108913] **Effect of ECAP on the Dimensional and Morphological Characteristics of High Performance Aluminium PM Alloy** / Jana Bidulská ... [et al.] - 2011.In: Materials Science Forum volume 667-669 : Nanomaterials by Severe Plastic Deformation: NanoSPD5. - Switzerland : TTP, 2011 P. 535-540. - ISBN 978-3-03785-007-7 - ISSN 0255-5476 Spôsob prístupu:

<http://dl.libra.titech.ac.jp/journaldocs/recordID/article.bib-01/ZR000000691103?hit=-1&caller=xc-search>.

[BIDULSKÁ, Jana (30%) - KVAČKAJ, Tibor (20%) - KOČIŠKO, Róbert (20%) - BIDULSKÝ, Róbert (20%) - ACTIS GRANDE, Marco (10%)]

AFC008 [116063] **Influence of ECAR processing on OFHC Cu material properties** / Tibor Kvačkaj ... [et al.] - 2011.In: Materials Science Forum volume 667-669 : Nanomaterials by Severe Plastic Deformation. - Switzerland : TTP, 2011 P. 133-137. - ISBN 978-3-03785-007-7 - ISSN 0255-5476

Spôsob prístupu: <http://www.scientific.net/MSF.667-669.133>.

[KVAČKAJ, Tibor (40%) - KVAČKAJ, Michal (20%) - STOYKA, Volodymir (10%) - KOČIŠKO, Róbert (10%) - BIDULSKÁ, Jana (10%) - BACSÓ, Július (10%)]

AFC009 [117687] **Structural development of TRIP steel after controlled thermomechanical processing** / Tibor Kvačkaj ... [et al.] - 2011.In: Steel Strip 2011 : The 8th International Conference : Conference Proceedings : October 4th - 6th 2011, Stará Lesná, Slovak Republic. - [Moravská Ostrava] : Spoločnosť Ocelové pásy, 2011 S. 214-220. - ISBN 978-80-260-0539-1

[KVAČKAJ, Tibor (60%) - MOLNÁROVÁ, Mária (5%) - MIŠIČKO, Rudolf (5%) - FUJDA, Martin (5%) - KVAČKAJ, Michal (5%) - BIDULSKÁ, Jana (5%) - BACSÓ, Július (5%) - KOČIŠKO, Róbert (5%) - LUPTÁK, Miloslav (5%)]

AFC010 [120932] **Cockcroft-Latham criterion for alumix 321** / Juraj Tiža ... [et al.] - 2012.In: ISDM 2012 : proceedings : 19th International Student's Day of Metallurgy : March 15-17, 2012, Freiberg. - Freiberg : Dzierzon Druck, 2012 P. 228-232. - ISBN 978-3-00-037493-7

[TIŽA, Juraj (50%) - KVAČKAJ, Tibor (20%) - KOČIŠKO, Róbert (15%) - BIDULSKÁ, Jana (5%) - KOVÁČOVÁ, Andrea (5%) - BELLA, Peter (3%) - SAS, Ján (2%)]

AFC011 [138652] **Evolution of porosity in ECAPed Aluminium Alloy** / Robert Bidulsky ... [et al.] - 2013.In: Euro PM 2013 : Congres and Exhibition : proceeding CD : 15. - 18.9.2013, Gothenburg, Sweden. - Shrewsbury : EPMA, 2013 P. 1-6. - ISBN 978-1-899072-40-8

[BIDULSKÝ, Róbert (50%) - BIDULSKÁ, Jana (25%) - KVAČKAJ, Tibor (10%) - POKORNÝ, Imrich (10%) - ACTIS GRANDE, Marco (5%)]

AFD - Publikované príspevky na domácich vedeckých konferenciách(10)

AFD001 [0015941] **Vplyv technologických parametrov na tvorbu povrchu pásu** / J. Bidulská , T. Kvačkaj , V. Bodák - 2001.In: Metallurgy junior 2001. - Košice : TU, 2001 S. 87-90.

[BIDULSKÁ, Jana - KVAČKAJ, Tibor - BODÁK, V.]

AFD002 [78766] **Fraktografická analýza Al zliatiny EN AW 2014** / Jana Bidulská, Róbert Bidulský, Tibor Kvačkaj - 2008.In: Materiál v inžinierskej praxi 2008. - Košice : TU, 2008 S. 113-116. - ISBN 9788080739454

[BIDULSKÁ, Jana (40%) - BIDULSKÝ, Róbert (30%) - KVAČKAJ, Tibor (30%)]

Ohlasy:

2009 [2] PERNIS, R., KASALA, J., BOŘUTA, J. Hot torsion tests of cartridge brass MS70 In: Acta Metallurgica Slovaca Roč. 15, č. 1 (2009), s. 5-14 ISSN: 1335-1532

AFD003 [78771] **Aplikácie nelineárnej regresie na popis krutovej skúšky zliatiny EN AW 2014 =** Torsion test description using non-linear regression for EN AW 2014 / Jana Bidulská, Imrich Pokorný - 2008. In: Metalurgia Junior 2008. - Košice : HF TU, 2008 S. 159-162. - ISBN 9788055300375 [BIDULSKÁ, Jana (50%) - POKORNÝ, Imrich (50%)]

AFD004 [78834] **Vplyv rôznych podmienok spracovania na morfológiu jamiek materiálu EN AW 2014** / J. Bidulská, R. Bidulský, T. Kvačkaj - 2008. In: Letná škola únavy materiálov '2008. - Žilina : ŽU, 2008 S. 143-146. - ISBN 9788080708887 [BIDULSKÁ, Jana (40%) - BIDULSKÝ, Róbert (30%) - KVAČKAJ, Tibor (30%)]

AFD005 [90748] **Development of technologies and materials for automobile industry** / T. Kvačkaj ... [et al.] - 2009. - 1 elektronický optický disk (CD-ROM). In: Transfer 2009 : využívanie nových poznatkov v strojárskych praxi : 11. medzinárodná vedecká konferencia : 17. - 18. september 2009, Trenčín. - Trenčín : Digital graphic, 2009 S. 1-10. - ISBN 978-80-8075-414-3 [KVAČKAJ, Tibor (20%) - MOLNÁROVÁ, Mária (20%) - MIŠIČKO, Rudolf (10%) - FUJDA, Martin (10%) - BIDULSKÁ, Jana (10%) - KVAČKAJ, Michal (10%) - KOČIŠKO, Róbert (10%) - NÉMETHOVÁ, Lenka (10%)]

AFD006 [100913] **Matematické simulácie a mechanické vlastnosti Cu po ECAR procese** / Michal Kvačkaj ... [et al.] - 2010. In: Metalurgia Junior 2010 : zborník prednášok z konferencie Deň doktorandov Hutníckej fakulty : 26 - 27. máj 2010, Košice. - Košice : HF TU, 2010 S. 189-192. - ISBN 978-80-553-0430-4 [KVAČKAJ, Michal (30%) - POKORNÝ, Imrich (20%) - KOČIŠKO, Róbert (20%) - BACSÓ, Július (10%) - NÉMETHOVÁ, Lenka (10%) - BIDULSKÁ, Jana (10%)]

AFD007 [117734] **Mathematical simulations and mechanical properties of UFG Cu after ECAR process** / Michal Kvačkaj ... [et al.] - 2010. In: Acta Metallurgica Slovaca Conference : Metallography 2010 : special issue : 14th International Symposium on Metallography : 28th - 30th April 2010, Stará Lesná. - Košice : TU, 2010 Č. 1 (2010), s. 93-97. - ISSN 1338-1660 [KVAČKAJ, Michal (20%) - KVAČKAJ, Tibor (16%) - KOČIŠKO, Róbert (16%) - BACSÓ, Július (16%) - NÉMETHOVÁ, Lenka (16%) - BIDULSKÁ, Jana (16%)]

AFD008 [122213] **Valcovanie dynamo ocelí v cryo podmienkach** / Peter Bella ... [et al.] - 2012. - 1 elektronický optický disk (CD-ROM). In: Metalurgia Junior 2012: zborník prednášok z konferencie Deň doktorandov Hutníckej fakulty: 22. - 23.5.2012: Košice. - Košice : HF TU, 2012 S. 109-112. - ISBN 978-80-553-0919-4 [BELLA, Peter (30%) - KVAČKAJ, Tibor (30%) - BIDULSKÁ, Jana (10%) - BEKEČ, Pavel (10%) - DRAGOŠEK, Lukáš (10%) - SAS, Ján (10%)]

AFD009 [122216] **Vplyv plastických deformácií v ($\alpha + \gamma$) oblasti na mechanické vlastnosti HSLA ocele** / Ján Sas ... [et al.] - 2012. - 1 elektronický optický disk (CD-ROM). In: Metalurgia Junior 2012: zborník prednášok z konferencie Deň doktorandov Hutníckej fakulty: 22. - 23.5.2012: Košice. - Košice : HF TU, 2012 S. 117-120. - ISBN 978-80-553-0919-4 [SAS, Ján (35%) - KVAČKAJ, Tibor (35%) - BIDULSKÁ, Jana (10%) - BELLA, Peter (10%) - TIŽA, Juraj (10%)]

AFD010 [145232] **The influence of thermo-plastic processes on materials recovery** / Tibor Kvačkaj ... [et al.] - 2014. In: Materials Science Forum : Metallography 2013 : International Symposium on Metallography : 24-26 April 2013, Stará Lesná, Slovakia. Vol. 782 (2014), p. 379-383. - ISBN 978-303835072-9 - ISSN 0255-5476 [KVAČKAJ, Tibor (50%) - KOČIŠKO, Róbert (10%) - BIDULSKÝ, Róbert (10%) - BIDULSKÁ, Jana (10%) - BELLA, Peter (5%) - LUPTÁK, Miloslav (5%) - KOVÁČOVÁ, Andrea (5%) - BACSÓ, Július (5%)]

AFG - Abstrakty príspevkov zo zahraničných konferencií(1)

AFG001 [78825] **Non-linear regression models of stress-strain curves of EN AW 2014** / J. Bidulská, I. Pokorný, T. Kvačkaj - 2008.In: Metalurgija. Vol. 47, no. 3 (2008), p. 269. - ISSN 0543-5846 [BIDULSKÁ, Jana (40%) - POKORNÝ, Imrich (30%) - KVAČKAJ, Tibor (30%)]

AFH - Abstrakty príspevkov z domácich konferencií(4)

AFH001 [101444] **ECAR processing of OFHP copper material** / Tibor Kvačkaj ... [et al.] - 2010.In: Nanoved & Nanotech & Techtransfer 2010 : 5th International Conference on Nanosciences, Nanotechnologies, Nanomaterials, Nanomedicine and Technology Transfer : Program and Abstracts : Bratislava, Slovakia, May 16 - 19, 2010. - Brno : Tribun EU, 2010 S. S8-2. - ISBN 978-80-7399-949-0 [KVAČKAJ, Tibor (20%) - KVAČKAJ, Michal (20%) - STOYKA, Volodymir (10%) - KOČIŠKO, Róbert (20%) - BIDULSKÁ, Jana (10%) - BIDULSKÝ, Róbert (10%) - BACSÓ, Július (10%)]

AFH002 [138191] **Compactization of soft magnetic materials with aluminium addition** / Róbert Bidulský ... [et al.] - 2013.In: Nanoved & Nano info day : 6th International Conference on Nanosciences, Nanotechnologies, Nanomaterials and Nano info day of the Nanoforce Project : Svit, Slovakia, September 22-25, 2013. - Brno : Tribun EU, 2013 P. P-04. - ISBN 978-80-263-0511-8 [BIDULSKÝ, Róbert (70%) - BIDULSKÁ, Jana (20%) - ACTIS GRANDE, Marco (5%) - MACCARINI, Michele (5%)]

AFH003 [138192] **Possibilities of ECAP and ECAR in powder metallurgy area** / Jana Bidulská ... [et al.] - 2013.In: Nanoved & Nano info day : 6th International Conference on Nanosciences, Nanotechnologies, Nanomaterials and Nano info day of the Nanoforce Project : Svit, Slovakia, September 22-25, 2013. - Brno : Tribun EU, 2013 P. P-05. - ISBN 978-80-263-0511-8 [BIDULSKÁ, Jana (70%) - BIDULSKÝ, Róbert (10%) - KOČIŠKO, Róbert (10%) - KVAČKAJ, Tibor (10%)]

AFH004 [138194] **Asymmetric rolling as SPD technology** / Tibor Kvačkaj ... [et al.] - 2013.In: Nanoved & Nano info day : 6th International Conference on Nanosciences, Nanotechnologies, Nanomaterials and Nano info day of the Nanoforce Project : Svit, Slovakia, September 22-25, 2013. - Brno : Tribun EU, 2013 P. O-26. - ISBN 978-80-263-0511-8 [KVAČKAJ, Tibor (40%) - KOČIŠKO, Róbert (30%) - BIDULSKÁ, Jana (10%) - KOVÁČOVÁ, Andrea (10%) - DRAGOŠEK, Lukáš (10%)]

BAB - Odborné monografie vydané v domácich vydavateľstvách(1)

BAB001 [146128] **Kovové materiály pre automobilový priemysel** / Róbert Bidulský, Jana Bidulská - 1. vyd. - Košice : TU - 2014. - 113 s.. - ISBN 978-80-553-1700-7. [BIDULSKÝ, Róbert (50%) - BIDULSKÁ, Jana (50%)]

BCI - Skriptá a učebné texty(2)

BCI001 [105116] **Umelecké tvarovanie a tvárnenie kovov** / T. Kvačkaj, M. Vlado, J. Bidulská - Košice : TU - 2010. - 153 s.. - ISBN 978-80-553-0554-7. [KVAČKAJ, Tibor (30%) - VLADO, Martin (40%) - BIDULSKÁ, Jana (30%)]

BCI002 [151343] **Tvárnenie kovov** Návod na cvičenia/ Miloslav Lupták, Martin Vlado, Jana Bidulská - 1. vyd. - Košice : TU - 2014. - 88 s.. - ISBN 978-80-553-1735-9. [LUPTÁK, Miloslav (40%) - VLADO, Martin (30%) - BIDULSKÁ, Jana (30%)]

BEF - Odborné práce v domácich nerecenzovaných zborníkoch (konferenčných aj nekonferenčných)(1)

BEF001 [162898] **Optimization of treatment conditions to achieve mechanical properties of boron structural steel** / Tibor Kvačkaj ... [et al.] - 2015.In: Odborná konferencia ŽP VVC 2015. - Podbrezová :

ŽP Výskumno-vývojové centrum, 2015 S. 86-90. - ISBN 978-80-972091-4-8
[KVAČKAJ, Tibor (30%) - KOČIŠKO, Róbert (20%) - BIDULSKÁ, Jana (20%) - BIDULSKÝ, Róbert (15%) - ZVARÍK, Vladimír (15%)]

BFA - Abstrakty odborných prác zo zahraničných podujatí (konferencie...)(3)

BFA001 [101428] **Wear characteristics of orbital forged materials** / R. Bidulský ... [et al.] - 2009.In: Yucomat 2009 : the eleventh annual conference : Programme and The Book of Abstracts : Herceg Novi, Montenegro, August 31- September 4, 2009. - Belgrade : Institute of Technical Sciences of the Serbian Academy of Sciences and Arts, 2009 P. 55. - ISBN 978-86-80321-18-9
[BIDULSKÝ, Róbert (30%) - ACTIS GRANDE, Marco (10%) - BIDULSKÁ, Jana (20%) - KVAČKAJ, Tibor (20%) - DONIČ, Tibor (10%) - MARTIKÁN, Milan (10%)]

BFA002 [90810] **Effect of various processing conditions on mechanical and structural properties of EN AW 2014** / Jana Bidulská - 2009. - 1 elektronický optický disk (CD-ROM).In: Nanolsrael 2009 : the international nanotechnology conference : Jerusalem, Israel, March 30-31, 2009 : Conference & Exhibition. - S.l. : s.n., 2009 P. 1.
[BIDULSKÁ, Jana (100%)]

BFA003 [90814] **Influence of controlled thermo-mechanical processing on TRIP steel structure and properties** / T. Kvacaj ... [et al.] - 2009.In: ICSMA 15 : 15th International Conference on Strength of Materials : August 16-21, 2009, Dresden, Germany. - Dresden : Technische Universität, 2009 P. 28.
[KVAČKAJ, Tibor (50%) - MOLNÁROVÁ, Mária (20%) - MIŠIČKO, Rudolf (10%) - KOČIŠKO, Róbert (10%) - BIDULSKÁ, Jana (10%)]

DAI - Dizertačné a habilitačné práce(2)

DAI001 [78837] **Posúdenie tvárnosti vybraných kovových materiálov so vzťahom k štruktúre** : dizertačná práca / Jana Bidulská ; školiteľ Imrich Pokorný - Košice, : - 2008. - 120 s.
[BIDULSKÁ, Jana (100%) - POKORNÝ, Imrich]

DAI002 [105846] **Vplyv rôznych plastických deformácií na materiálové vlastnosti vybraných hliníkových zliatin** habilitačná práca/ Jana Bidulská - Košice : - 2010. - 160 s..
[BIDULSKÁ, Jana (100%)]

Dátum: 8.9.2017

Podpis: