

**Technická univerzita v Košiciach**  
**Prehľad publikačnej činnosti vrátane ohlasov**  
**Autor: SIMKULET, Vladimír**  
**Dátum generovania výstupu: 18. 4. 2019, 15:54:51**

**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)

BCI - Skriptá a učebné texty (3)

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

**Počet záznamov: 3**

ADC - Vedecké práce v zahraničných karentovaných časopisoch (3)

**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: 64**

ADE - Vedecké práce v zahraničných nekarentovaných časopisoch (8)

ADF - Vedecké práce v domácich nekarentovaných časopisoch (12)

AEC - Vedecké práce v zahraničných recenzovaných vedeckých zborníkoch, monografiách (6)

AED - Vedecké práce v domácich recenzovaných vedeckých zborníkoch, monografiách (5)

AFB - Publikované pozvané príspevky na domácich vedeckých konferenciách (1)

AFC - Publikované príspevky na zahraničných vedeckých konferenciách (8)

AFD - Publikované príspevky na domácich vedeckých konferenciách (18)

AFG - Abstrakty príspevkov zo zahraničných konferencií (1)

AFH - Abstrakty príspevkov z domácich konferencií (4)

BDF - Odborné práce v domácich nekarentovaných časopisoch (1)

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

**Počet záznamov: 5**

ADM - Vedecké práce v zahraničných časopisoch registrovaných v databázach Web of Science alebo SCOPUS (5)

**Skupina D - Ostatné - mimo kategórií MŠSR**

**Počet záznamov: 5**

AFK - Postery zo zahraničných konferencií (1)

BEF - Odborné práce v domácich nerecenzovaných zborníkoch (konferenčných aj nekonferenčných) (3)

DAI - Dizertačné a habilitačné práce (1)

**Počet záznamov spolu: 81**

**Menný zoznam publikácií:**

**ACB - Vysokoškolské učebnice vydané v domácich vydavateľstvách(1)**

ACB001 [54566] **Špeciálne materiály** / Vladimír Simkulet - 1. vyd. - Košice : FVT TU, - 2006. - 60 s.. - ISBN 80-8073-631-6.

[SIMKULET, Vladimír (100%)]

**Ohlasy:**

2009 [4] TARASOVIČOVÁ, A. - ŠOMŠÁKOVÁ, Z. - FEČOVÁ, V.: Output attributes of drilling for preparing of precision holes manufacturing. In: ICPM 2009 : 5th international congress on precision machining : Stará Lesná, 15. - 19. september 2009. Košice : TU, 2009. S. 251-255. ISBN 978-80-553-0243-0.

2009 [3] FEDÁK, M. et al.: Quality of die casting in dependence on die casting process and running property in die cavity at pressure die casting technology. In: ERIN 2009 : sborník abstraktů : 3. ročník mezinárodní konference mladých výzkumných pracovníků a doktorandů : [Ostrava], 1. - 2. april 2009. Ostrava : VŠB, 2009. ISBN 978-80-248-1982-2.

2008 [4] RAGAN, Emil et al.: Vstrekovanie a spracovanie plastických hmôt. Prešov : FVT TU, 2008. 548 s. ISBN 978-80-553-0102-0.

### **ADC - Vedecké práce v zahraničných karentovaných časopisoch(3)**

ADC001 [85655] **Estimation of the smooth zone maximal depth at surfaces created by abrasive waterjet** / Sergej Hloch, Jan Valíček, Vladimír Simkulet - 2009. In: International Journal of Surface Science and Engineering. Vol. 3, no. 4 (2009), p. 347-359. - ISSN 1749-785X [HLOCH, Sergej (60%) - VALÍČEK, Jan (20%) - SIMKULET, Vladimír (20%)]

#### **Ohlasy:**

2010 [1] KMEC, J. et al. : Disposal of discarded munitions by liquid stream. In: Tehnicki vjesnik - Technical gazette. Vol. 17, no. 3 (2010), p. 383-388. ISSN: 1330-3651

2010 [1] HARNICAROVA, M., ZAJAC, J., STOIC, A. : Comparison of different material cutting technologies in terms of their impact on the cutting quality of structural steel. In: Tehnicki vjesnik - Technical gazette. Vol. 17, no. 3 (2010), p. 271-276. ISSN: 1330-3651

2011 [1] MONKOVÁ, K. et al. Factor analysis of the abrasive waterjet factors affecting the surface roughness of titanium In: Tehnicki vjesnik - Technical gazette. Vol. 18, no. 1 (2011), p. 73-77 ISSN: 1330-3651

2011 [1] GUO, X. et al. Simulation of cutting porcine liver with water jet based on MSC. Dytran In: Chinese Journal of Biomedical Engineering Vol. 30, no. 1 (2011), p. 151-154 ISSN: 0258-8021

2011 [1] PANDA, Anton, VASILKO, Karol, DUPLAK, Jan T-V-c dependence for cutting ceramic and sintered carbide in standard ISO 3685 and their analytical expression In: International Conference on Instrumentation Measurement, Circuits and Systems : (ICIMCS 2011) : Dec 12-13, 2011, Hong Kong P. 79-82 ISBN: 978-0-7918-5990-2

2013 [4] PERŽEL, Vincent, HREHA, Pavol, MIČKO, Milan Porovnávací analýza technológií AWJ In: Strojárstvo Roč. 16, č. 3 (2013), s. 12-16 ISSN: 1335-2938

2013 [1] ŤAVODOVÁ, M. The surface quality of materials after cutting by abrasive water jet evaluated by selected methods In: Manufacturing Technology Vol. 13, no. 2 (2013), p. 236-241 ISSN: 1213-2489

2013 [1] BIDULSKÝ, R., BIDULSKA, J., ACTIS GRANDE, M. Sliding wear of coated prealloyed sintered chromium steel In: Strojarstvo Vol. 55, no. 3 (2013), p. 197-201 ISSN: 0562-1887

2011 [1] TOZAN, H. Fuzzy AHP based decision support system for technology selection in abrasive water jet cutting processes In: Tehnicki Vjesnik Vol. 18, no. 2 (2011), p. 187-191 ISSN: 1330-3651

2010 [1] RADVANSKÁ, A.: Abrasive waterjet cutting technology risk assessment by means of failure modes and effects analysis method. In: Tehnicki vjesnik - Technical gazette. Vol. 17, no. 1 (2010), p. 121-128. ISSN 1330-3651.

2012 [1] BRAZINA, D., KOTYRBA, M., VOLNA, E. Simulation of surface microroughness by means of polygonal representation In: Proceedings-26th European Conference on Modelling and Simulation, ECMS 2013 : 29 May - 1 June 2012, Koblenz, Germany 6 p. ISBN: 978-095649444-3

2018 [1] MIAO, X. et al. The optimal cutting times of multipass abrasive water jet cutting In: International Journal of Advanced Manufacturing Technology Vol. 97, no. 5-8 (2018), p. 1779-1786 ISSN: 0268-3768

2018 [1] MIAO, X. et al. Research on quality improvement of the cross section cut by abrasive water jet based on secondary cutting In: International Journal of Advanced Manufacturing Technology Vol. 97, no. 1-4 (2018), p. 71-80 ISSN: 0268-3768

ADC002 [106668] **Effect of surface roughness on nanoindentation** / Gabika Fuchsová, František Lofaj, Vladimír Simkulet - 2011.In: Chemické listy. Vol. 105 (S), no. Symposia (2011), p. s796-s797. - ISSN 0009-2770 Spôsob prístupu: [www.chemicke-listy.cz](http://www.chemicke-listy.cz).

[FUCHSOVÁ, Gabriela (34%) - LOFAJ, František (33%) - SIMKULET, Vladimír (33%)]

**Ohlasy:**

2012 [3] MARX, Daniela et al. Nanoindentation of gelatine/HAP nanocomposite In: Chemické listy Vol. 106, no. s3 (2012), p. 478-479 ISSN: 1213-7103

2012 [1] LOFAJ, F. et al. Nanoindentation, AFM and tribological properties of thin nc-WC/a-C Coatings In: Journal of the European Ceramic Society Vol. 32, no. 9 (2012), p. 2043-2051 ISSN: 0955-2219

ADC003 [127159] **Microstructure characteristics of Fe-0.85Mo-3Mn-0.5C sintered steel in dependence on sintering conditions** / Vladimír Simkulet, Ľudovít Parilák - 2012.In: Chemické listy. Vol. 106, no. S3 (2012), p. s529-s530. - ISSN 0009-2770 Spôsob prístupu:

[http://www.chemicke-listy.cz/docs/full/2012\\_s3\\_s523-s550.pdf](http://www.chemicke-listy.cz/docs/full/2012_s3_s523-s550.pdf).

[SIMKULET, Vladimír (70%) - PARILÁK, Ľudovít (30%)]

**ADE - Vedecké práce v zahraničných nekarentovaných časopisoch(8)**

ADE001 [55144] **Effect of manganese and carbon on properties of hybrid Fe-0.85Mo-Mn-C steels** / M. Selecká, V. Simkulet - 2006.In: Defektoskopia 2006. Vol. 13, no. 3 (86) (2006), p. 319-325. - ISSN 1310-3946

[SELECKÁ, Marcela (50%) - SIMKULET, Vladimír (50%)]

ADE002 [78923] **Course of heat affected zone depth in the cross section sample after WEDM cutting** / Ľ. Straka ... [et al.] - 2008.In: Annals of Faculty of Engineering Hunedoara. Vol. 6, no. 3 (2008), p. 232-236. - ISSN 1584-2673

[STRAKA, Ľuboslav (40%) - ČORNÝ, Ivan (30%) - MIŽÁKOVÁ, Jana (20%) - SIMKULET, Vladimír (10%)]

**Ohlasy:**

2011 [1] BALAŞ, M., BÂLC, N., PĂCURAR, R. Rresearch regarding heat affected zone after EDM-WC process In: Academic journal of manufacturing engineering Vol. 9, no. 3 (2011), p. 96-101 ISSN: 1583-7904

2018 [3] NAJM, V.N. Experimental investigation of wire EDM process parameters on heat affected zone In: Engineering and Technology Journal Vol. 36, Part A, no. 1 (2018), p. 46-54 ISSN: 1681-6900

2009 [4] STRAKA, Ľ., ČORNÝ, I., MIHALČOVÁ, J.: Softvérové riešenie zadávania technologických parametrov v procese WEDM delenia kovov. In: Strojárstvo-extra. Č.5 (2009), s. 47/1-47/3. ISSN 1335-2938.

ADE003 [116798] **Problems at drilling of stainless steels X7Cr12Ni9,5Ti** / Jozef Jurko ... [et al.] - 2011. - 1 elektronický optický disk (CD-ROM).In: Studia i materialy. Vol. 29, no. 2 (2011), p. 87-91. - ISSN 0860-7761

[JURKO, Jozef (60%) - FABIANOVÁ, Jarmila (5%) - MATIJA, Rudolf (5%) - MURČINKO, Jaromír (5%) - MURČINKOVÁ, Zuzana (5%) - SIMKULET, Vladimír (5%) - BARON, Petr (5%) - JANÁK, Miroslav (5%) - JEDINÁKOVÁ, Jana (5%)]

ADE004 [116807] **Bearing Rings Production and Measurement of Geometric Parameters** / Anton Panda ... [et al.] - 2011. - 1 elektronický optický disk (CD-ROM).In: Studia i materialy. Vol. 29, no. 2 (2011), p. 53-59. - ISSN 0860-7761  
[PANDA, Anton (22%) - MATIJA, Rudolf (22%) - VOJTKO, Imrich (10%) - FABIANOVÁ, Jarmila (10%) - MURČINKO, Jaromír (10%) - SIMKULET, Vladimír (10%) - HALKO, Jozef (10%) - ČUMA, Matúš (6%)]

ADE005 [129181] **Phenomenon of twist drill** / Karol Vasilko, Vladimír Simkulet - 2012.In: Manufacturing Technology. Vol. 12, no. 13 (2012), p. 281-285. - ISSN 1213-2489  
[VASILKO, Karol (50%) - SIMKULET, Vladimír (50%)]

**Ohlasy:**

2013 [1] MAŇKOVÁ, I. et al. Application of Taguchi Method and Surface Response Methodology to Evaluate of Mathematical Models to Chip Deformation when Drilling With Coated and Uncoated Twist Drills In: Manufacturing Technology Vol. 13, no. 4 (2013), p. 492-499 ISSN: 1213-2489

2014 [3] KYNCL, Ladislav et al. Tests of Drills during Drilling Holes into Alloy Wheels In: Manufacturing Technology Vol. 14, no. 4 (2014), p. 16 ISSN: 1213-2489

2015 [1] KOLESNYK, V. et al. The Effect of Cutting Temperature on Carbide Drilling Life in the Process of CFRP/Steel Stacks Drilling In: Manufacturing Technology Vol. 15, no. 3 (2015), p. 357-362 ISSN: 1213-2489

2016 [3] MAJERIK, Jozef, ŠANDORA, Jozef, JAMBOR, Jaroslav Statistical Monitoring of Decrease of Surface Eccentricity and Hole of Bore Tubes from High Strength Steels under the Production Conditions In: Manufacturing Technology Vol. 16, no. 6 (2016), p. 1303-1308 ISSN: 1213-2489

ADE006 [143846] **Microstructures characteristic evaluation of carbon steel C45 after new turning method by master block** / Vladimír Simkulet ... [et al.] - 2013.In: World Academy of Science, Engineering and Technology. No. 78 (2013), p. 664-666. - ISSN 2010-376X  
[SIMKULET, Vladimír (40%) - VOJTKO, Imrich (20%) - KOČIŠKO, Marek (20%) - BARON, Petr (20%)]

**Ohlasy:**

2016 [1] VASILKO, K., MURČINKOVÁ, Z. Tool life extension methods for cut-off tools made of high-speed steel In: ICMEM 2016 : International Conference on Manufacturing Engineering and Materials : Nový Smokovec, 6-10 June, 2016 Vol. 149 (2016), p. 520-525 ISSN: 1877-7058

ADE007 [144730] **Investigation of carbon steel C45 after new turning method by master block depending on the time of acceleration amplitude of oscillation tool** / Imrich Vojtko ... [et al.] - 2013.In: World Academy of Science, Engineering and Technology. No. 78 (2013), p. 657-659. - ISSN 2010-376X

[VOJTKO, Imrich (30%) - SIMKULET, Vladimír (30%) - KOČIŠKO, Marek (20%) - BARON, Petr (20%)]

**Ohlasy:**

2017 [1] VASILKO, K., MURČINKOVÁ, Z. The proposal how to make the basic machining technologies - Turning, milling, planing - more productive In: Manufacturing Technology Vol. 17, no. 2 (2017), p. 261-267 ISSN: 1213-2489

ADE008 [195552] **Mathematical Modeling of the Mechanical Characteristic of the Activated PTFE-Matrix Using the Method of Planning the Experiment** / O.A. Bilous et al. - 2018.In: Journal of Engineering Sciences = Žurnal inženernich nauk. - Sumy (Ukrajina) : Ukrajina, University of Sumy Roč. 5, č. 1 (2018), s. 1-5 [print, online]. - ISSN 2312-2498 Spôsob prístupu:

[http://jes.sumdu.edu.ua/wp-content/uploads/2018/05/JES\\_2018\\_01\\_C1-C5.pdf](http://jes.sumdu.edu.ua/wp-content/uploads/2018/05/JES_2018_01_C1-C5.pdf).

[BILOUS, O.A. (15%) - HOVORUN, T.P. (15%) - BERLADIR, K.V. (15%) - VOROBIOV, S.I. (15%) - SIMKULET, Vladimír (40%)]

**ADF - Vedecké práce v domácich nekarentovaných časopisoch(12)**

ADF001 [60272] **Microstructure formation in Fe-Mo-Mn-C and Fe-Mn-C alloys in dependence on sintering temperature and time** / V. Simkulet, M. Selecká - 2004. In: Acta Metallurgica Slovaca. Roč. 10, mimoriadne číslo č. 1/2004 (2004), s. 886-888. - ISSN 1335-1532  
[SIMKULET, Vladimír (50%) - SELECKÁ, Marcela (50%)]

ADF002 [60268] **Effect of manganese on fracture of premix and hybrid Fe-0.85Mo-XMn-0.3C sintered steel** / V. Simkulet, M. Selecká - 2006. In: Powder Metallurgy Progress. Roč. 6, č. 4 (2006), s. 156-163. - ISSN 1335-8987  
[SIMKULET, Vladimír (50%) - SELECKÁ, Marcela (50%)]

**Ohlasy:**

2007 [4] 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. In: Materiálové inžinierstvo. Roč. 14, č. 3 (2007), s. 57-59. ISSN 1335-0803.

2009 [1] BIDULSKÝ, R. et al.: Effect of varying carbon content and shot peening upon fatigue performance of prealloyed sintered steels. In: Journal of Materials Sciences Technology. Vol. 25, no. 5 (2009), p. 607-610. ISSN 1005-0302.

ADF003 [60271] **Microstructure formation in Fe-0.85Mo-XMn-0.3C alloys in dependence on sintering temperature and time** = Tvorba mikroštruktúry v Fe-0.85Mo-xMn-0.3C ocelí závislosti na teplote a dobe spekania / Vladimír Simkulet - 2007. In: Acta Metallurgica Slovaca. Roč. 13, mimoriadne číslo 1/2007 (2007), s. 820-823. - ISSN 1335-1532  
[SIMKULET, Vladimír (100%)]

**Ohlasy:**

2008 [4] BIDULSKÝ, R., KABÁTOVÁ, M., ACTIS-GRANDE, M.: Hodnotenie efektívneho koeficientu difúzie mangárovej spekanej ocele. In: Výrobné inžinierstvo. Roč. 7, č. 4 (2008), s. 45-47. ISSN 1335-7972.

ADF004 [63395] **Rázová húževnatosť a lomové plochy Fe-0.85Mo-xMn-0.3C spekaných ocelí** = Impact energy and fracture surface in Fe-0.85Mo-xMn-0.3C sintered steels / Vladimír Simkulet - 2007. In: Materiálové inžinierstvo. Roč. 14, č. 3 (2007), s. 220-222. - ISSN 1335-0803  
[SIMKULET, Vladimír (100%)]

ADF005 [66618] **Microstructure and mechanical properties of Fe-0.85Mo-xMn-0.3C alloys in dependence on sintering temperature and time** / Vladimír Simkulet - 2007. In: Výrobné inžinierstvo. Roč. 6, č. 4 (2007), s. 51-54. - ISSN 1335-7972  
[SIMKULET, Vladimír (100%)]

ADF006 [74951] **Optimalizácia základnej geometrie upichovacích nožov** / Karol Vasilko, Vladimír Simkulet - 2008. In: Výrobné inžinierstvo. Roč. 7, č. 3 (2008), s. 8-10. - ISSN 1335-7972  
[VASILKO, Karol (50%) - SIMKULET, Vladimír (50%)]

ADF007 [82371] **Vplyv tribologických faktorov na efektívnosť obrábania** / Rudolf Matija, Ladislav Mišík, Vladimír Simkulet - 2009. In: Tribotechnika. Č. 1 (2009), s. 48-50. - ISSN 1337-0022 Spôsob prístupu: <http://www.tribotechnika.sk>.  
[MATIJA, Rudolf (45%) - MIŠÍK, Ladislav (35%) - SIMKULET, Vladimír (20%)]

**Ohlasy:**

2012 [4] HUTYROVÁ, Zuzana et al. Contribution to a solution of machining of polymer composite material with natural reinforcement In: Metódy a prostriedky obrábania materiálov: Práce Centra progresívnych metód obrábania v r. 2012 S. 46-52 ISBN: 978-80-553-1182-1

2012 [4] STRAKA, Ľuboslav Stanovenie optimálneho plánu preventívnej údržby elektroerozívneho

zariadenia pri Weibullovom rozdelení náhodnej premennej In: Automatizácia a riadenie v teórii a praxi 2012 : ARTEP 2012 : workshop odborníkov z univerzít, vysokých škôl a praxe v oblasti automatizácie a riadenia : 22. - 24. február 2012, Stará Lesná, SR S. 59-1-59-7 ISSN: 978-80-553-0835-7

ADF008 [93582] **Produkčné obrábanie s  $Ra \leq 1\mu m$**  / Karol Vasilko, Vladimír Simkulet, Štefan Kupčík - 2010. In: Výrobné inžinierstvo. Č. 1 (2010), s. 14-18. - ISSN 1335-7972 Spôsob prístupu: <http://web.tuke.sk/fvtpo/casopis/skindex.htm>.

[VASILKO, Karol (40%) - SIMKULET, Vladimír (30%) - KUPČÍK, Štefan (30%)]

**Ohlasy:**

2012 [3] STRAKA, Ľuboslav Hodnotenie spôsobilosti meracieho zariadenia In: Jemná mechanika a optika Vol. 57, no. 6 (2012), p. 170-173 ISSN: 0447-6441

ADF009 [128161] **Aspects for Evaluation of Quality of Coated Metal Surfaces** / Jarmila Fabianová, Vladimír Simkulet - 2012. In: Manufacturing and Industrial Engineering. Roč. 11, č. 4(2012), s. 51-54. - ISSN 1338-6549

[FABIANOVÁ, Jarmila (50%) - SIMKULET, Vladimír (50%)]

ADF010 [131222] **Fenomén skrutkovitý vrták** / Karol Vasilko, Vladimír Simkulet - 2013. In: Tribotechnika. Roč. 6., č. 1 (2013), s. 24-27. - ISSN 1338-0524

[VASILKO, Karol (50%) - SIMKULET, Vladimír (50%)]

ADF011 [183902] **The morphology and properties of multicomponent nanocomposite coatings** / Vladimír Simkulet, Konstantyn Dyadyura, Anton Panda - 2017. In: Transfer inovácií. Č. 35 (2017), s. 9-12. - ISSN 1337-7094 Spôsob prístupu: <http://www.sjf.tuke.sk/transferinovacii/>.

[SIMKULET, Vladimír (40%) - DYADYURA, Konstantyn (5%) - PANDA, Anton (55%)]

ADF012 [193843] **Erózne účinky pulzujúceho vodného prúdu na povrch medi** / Dominika Lehocká, Jiří Klich, Vladimír Simkulet - 2018. In: Strojárstvo. Roč. 22, č. 5 (2018), s. 128-129. - ISSN 1335-2938

[LEHOCKÁ, Dominika (70%) - KLICH, Jiří (5%) - SIMKULET, Vladimír (25%)]

**ADM - Vedecké práce v zahraničných časopisoch registrovaných v databázach Web of Science alebo SCOPUS(5)**

ADM001 [159419] **Examination of material manufactured by direct metal laser sintering (DMLS)** / Jozef Dobranský ... [et al.] - 2015. In: Metalurgija. Vol. 54, no. 3 (2015), p. 477-480. - ISSN 0543-5846 Spôsob prístupu:

[http://apps.webofknowledge.com/full\\_record.do?product=WOS&search\\_mode=GeneralSearch&qid=48&SID=P272haEKPoipVVlx9p5&page=1&doc=1](http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=48&SID=P272haEKPoipVVlx9p5&page=1&doc=1).

[DOBRÁNSKY, Jozef (35%) - BARON, Petr (25%) - SIMKULET, Vladimír (15%) - KOČIŠKO, Marek (10%) - RUŽBARSKÝ, Juraj (10%) - VOJNOVÁ, Eva (5%)]

**Ohlasy:**

2015 [1] MANCANARES, Caue G. et al. Additive manufacturing process selection based on parts' selection criteria In: Advanced Manufacturing Technology Vol. 80, no. 5-8 (2015), p. 1007-1014 ISSN: 0268-3768

2016 [1] SOBOTKA, J. et al. Temperature influence on the change of the sandwich material adhesive properties In: MM Science Journal Vol. 2016, no. September (2016), p. 1009-1013 ISSN: 1803-1269

2016 [1] PANDA, A. et al. Research on the durability of selected cutting materials in the process of turning carbon steel In: MM Science Journal Vol. 2016, no. October (2016), p. 1086-1089 ISSN: 1803-1269

2016 [1] BREZIKOVA, K. et al. Proposal of measuring fixture for serial production In: MM Science Journal Vol. 2016, no. October (2016), p. 1082-1085 ISSN: 1803-1269

2016 [1] FIALA T. et al. Effect of high beta irradiation on mechanical properties of surface layer of injection moulded low density polyethylene (LDPE) In: MM Science Journal Vol. 2016, no. October (2016), p. 1095-1099 ISSN: 1803-1269

2016 [1] OVSÍK M. et al. The behaviour of cross-linking filled PBT measured by nano-hardness In: MM Science Journal Vol. 2016, no. October (2016), p. 1110-1113 ISSN: 1803-1269

2016 [1] SOLFRONK P. et al. Spring-back prediction for stampings from the thin stainless sheets In: MM Science Journal Vol. 2016, no. October (2016), p. 1090-1094 ISSN: 1803-1269

2017 [1] MIZERA, M. et al. Ultra nanoindentation test of injection polybutylene terephthalate (PBT) irradiated by low doses beta irradiation In: MM Science Journal Vol. 2017, no. December (2017), p. 1990-1994 ISSN: 1803-1269

2018 [1] FIALA, T. et al. Mechanical properties of low density polyethylene (LDPE) irradiated by low doses beta irradiation measurement by ultra nanoindentation test In: MM Science Journal Vol. 2018, no. March (2018), p. 2162-2166 ISSN: 1803-1269

2018 [1] MAŇAS, D. et al. Effect of low beta irradiation dose on mechanical properties of surface layer of injection moulded polyamide 11 (Pa 11) In: MM Science Journal Vol. 2018, no. March (2018), p. 2144-2148 ISSN: 1803-1269

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ADM005 [196872] **Strengthening Effect after Disintegration of Stainless Steel Using Pulsating Water Jet** / Sergej Hloch ... [et al.] - 2018. In: Tehnički Vjesnik = Technical Gazette = TV-TG. - Slavonski Brod (Chorvátsko) : Strojarski fakultet Vol. 25 4 (2018), s. 1075-1079 [print]. - ISSN 1330-3651 Spôsob prístupu:



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[HLOCH, Sergej (15%) - SRIVASTAVA, Madhulika (14%) - KROLCZYK, Jolanta B. (14%) - CHATTOPADHYAYA, Somnath (14%) - LEHOCKÁ, Dominika (15%) - SIMKULET, Vladimír (14%) - KROLCZYK, Grzegorz M. (14%)]

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AEC001 [43603] **Properties of sintered hybrid and mixed Fe-0.85Mo-XMn-0.3C steels** / M. Selecká, M. Simkulet, L. Parilák - 2005.In: Proceedings PM Auto 2005. - [S.l. : s.n.], 2005 S. 309-317. [SELECKÁ, M. (70%) - SIMKULET, Vladimír (10%) - PARILÁK, Ľudovít (20%)]

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AEC005 [149789] **Microstructural characteristics investigation of the chip-making process after machining** / Imrich Vojtko ... [et al.] - 2014.In: Applied Mechanics and Materials volume 616 : Operation and Diagnostics of Machines and Production Systems Operational States 2. - Zurich : TTP, 2014 P. 344-350. - ISBN 978-3-03835-201-3 - ISSN 1660-9336

[VOJTKO, Imrich (30%) - SIMKULET, Vladimír (30%) - BARON, Petr (20%) - ORLOVSKÝ, Imrich (20%)]

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AED001 [115625] **CNC technologies of grinding cycloidal profiles of toothed gear by self generating method** / Peter Michalik ... [et al.] - 2011. In: Progresívne metódy obrábania : práce Výskumného centra progresívnych metód obrábania v r. 2011. - Prešov : FVT TU, 2011 S. 141-148. - ISBN 978-80-553-0751-0

[MICHALIK, Peter (24%) - SIMKULET, Vladimír (24%) - ČUMA, Matúš (24%) - DUPLÁK, Ján (24%) - DŽURMAN, Martin (4%)]

AED002 [118341] **Technologické podmienky vzniku super a pseudoelastických vlastností vybraných kovových sústav** / Jarmila Fabianová, Vladimír Simkulet - 2011.In: Progresívne metódy obrábania : práce Výskumného centra progresívnych metód obrábania v r. 2011. - Prešov : TU, FVT, 2011 S. 128-133. - ISBN 978-80-553-0751-0  
[FABIANOVÁ, Jarmila (70%) - SIMKULET, Vladimír (30%)]

AED003 [126687] **Fenomén stutkovitý[!] vrták** / Karol Vasilko, Vladimír Simkulet - 2012.In: Metódy a prostriedky obrábania materiálov : práce Centra progresívnych metód obrábania v r. 2012. - Prešov : FVT TU, 2012 S. 134-141. - ISBN 089-80-533-1182-1  
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AED004 [127343] **Evaluation of the mistakes in processing of Gore-tex textile materials by scanning electron microscope** / Vladimír Simkulet - 2012.In: Metódy a prostriedky obrábania materiálov : práce Centra progresívnych metód obrábania v r. 2012. - Prešov : FVT TU, 2012 S. 96-100. - ISBN 978-80-553-1182-1  
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AED005 [127345] **Study of microstructural characteristic of ENS233J2G3 Steel after Plasma, Laser and WAJ cutting** / Vladimír Simkulet ... [et al.] - 2012.In: Metódy a prostriedky obrábania materiálov : práce Centra progresívnych metód obrábania v r. 2012. - Prešov : FVT TU, 2012 S. 101-107. - ISBN 978-80-553-1182-1  
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AFB001 [178108] **The studies of the structure and properties of nanoscale multilayer coatings based on the nitrides of refractory metals** / Vladimír Simkulet, Konstantin Dyadyura, Anton Panda - 2016.In: Trendy a inovatívne prístupy v podnikových procesoch. - Košice : TU, 2016 S. 1-5. - ISBN 978-80-553-3018-1 Spôsob prístupu:  
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[SIMKULET, Vladimír (29%) - DYADYURA, Konstantin (1%) - PANDA, Anton (70%)]

#### **AFC - Publikované príspevky na zahraničných vedeckých konferenciách(8)**

AFC001 [55088] **Mechanical properties of Fe-0,85Mo-Mn-C steels** / Marcela Selecká, Vladimír Simkulet - 2004.In: Euro PM2004. Volume 3. - [S.l. : s.n.], 2004 6 p.  
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AFC002 [110878] **Analysis of compressive forces on rolls of a pipe conveyor** / Peter Michalik ... [et al.] - 2011.In: Experimentální analýza napětí 2011 : proceedings : 49th International Scientific Conference : Znojmo, June 6 - 9, 2011. - Brno : University of Technology, 2011 P. 245-250. - ISBN

978-80-214-4275-7

[MICHALIK, Peter (12%) - MOLNÁR, Vierošlav (11%) - FEDORKO, Gabriel (11%) - ZAJAC, Jozef (11%) - LUŠCIŇSKI, Slawomir (11%) - HATALA, Michal (11%) - MONKA, Peter Pavol (11%) - SIMKULET, Vladimír (11%) - ORLOVSKÝ, Imrich (11%)]

AFC003 [116983] **Mathematical modelling of the spray drying technological process** / Imrich Orlovský ... [et al.] - 2011. In: Annals of DAAAM for 2011 & Proceedings of the 22nd International DAAAM Symposium on "Intelligent Manufacturing & Automation : Power of Knowledge and Creativity": 23-26th November 2011, Vienna, Austria. - Vienna : DAAAM International, 2011 P. 1067-1068. - ISBN 978-3-901509-83-4 - ISSN 1726-9679  
[ORLOVSKÝ, Imrich (20%) - ZAJAC, Jozef (20%) - MONKA, Peter Pavol (20%) - MICHALIK, Peter (20%) - SIMKULET, Vladimír (20%)]

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AFC006 [162511] **Surface strengthening of a stainless steel using pulsating water jet technology - evaluation by means of microhardness measurements** / S. Hloch ... [et al.] - 2015.In: Vodní paprsek 2015 - výzkum, vývoj, aplikace. - Ostrava : Ústav geoniky Av ČR, 2015 P. 65-72. - ISBN 978-80-86407-56-2

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AFC008 [193375] **Assessment of deformation characteristics on CW004A copper influenced by acoustically enhanced water jet** / Dominika Lehocká, Vladimír Simkulet, Stanisław Legutko - 2018.In: Advances in Manufacturing : Lecture Notes in Mechanical Engineering : Manufacturing 2017. - Cham : Springer, 2018 P. 717-724. - ISBN 978-3-319-68619-6 Spôsob prístupu:

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#### AFD - Publikované príspevky na domácich vedeckých konferenciách(18)

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