



TECHNICKÁ UNIVERZITA V KOŠICIACH
Fakulta výrobných technológií

Prehľad preukázateľných citácií a ohlasov na vedecké a odborné
práce

doc. Ing. Michal Hatala, PhD.
Prešov, 2019

1. Prehľad preukázateľných citácií a ohlasov na vedecké a odborné práce (WoS)

Web of Science™ - Citations	
Title	Monitoring surface roughness of thin-walled components from steel C45 machining down and up milling
Authors	Michalik, P (Michalik, Peter); Zajac, J (Zajac, Jozef); Hatala, M (Hatala, Michal); Mital, D (Mital, Dusan); Fecova, V (Fecova, Veronika)
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Times Cited in Web of Science Core Collection	16
<p>[1] Waterjet machining and research developments: a review, By: Liu, Xiaochu; Liang, Zhongwei; Wen, Guilin; et al., INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY Volume: 102 Issue: 5-8 Special Issue: SI Pages: 1257-1335 Published: JUN 2019</p> <p>[2] Modeling of surface roughness for manufactured thin-walled structure, By: Fei, Jixiong; Lin, Bin; Yan, Shuai; et al., PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART B- JOURNAL OF ENGINEERING MANUFACTURE Volume: 233 Issue: 4 Pages: 1216-1223 Published: MAR 2019</p> <p>[3] Evaluating the influences of the cutting parameters on the surface roughness and form errors in 4-axis milling of thin-walled free-form parts of AISI H13 steel, By: de Oliveira, Emerson Luis; de Souza, Adriano Fagali; Diniz, Anselmo Eduardo, JOURNAL OF THE BRAZILIAN SOCIETY OF MECHANICAL SCIENCES AND ENGINEERING Volume: 40 Issue: 7 Article Number: UNSP 334 Published: JUL 2018</p> <p>[4] Measurement and analysis of cutting force and product surface quality during end-milling of thin-wall components, By: Bolar, Gururaj; Das, Argha; Joshi, Shrikrishna N., MEASUREMENT Volume: 121 Pages: 190-204 Published: JUN 2018</p> <p>[5] Comparison of the influence of acoustically enhanced pulsating water jet on selected surface integrity characteristics of CW004A copper and CW614N brass, By: Lehocka, D.; Klichova, D.; Foldyna, J.; et al., MEASUREMENT Volume: 110 Pages: 230-238 Published: NOV 2017</p> <p>[6] THE STUDY OF THE SURFACE QUALITY OF THE THIN WALL BEARING UNITS TO ROLLS ROLLER SEATS PIPE CONVEYOR, By: Michalik, Peter; Zajac, Jozef; Fabianova, Jana; et al., ADVANCES IN SCIENCE AND TECHNOLOGY-RESEARCH JOURNAL Volume: 11 Issue: 2 Pages: 192-197 Published: JUN 2017</p> <p>[7] CNC MILLING MACHINE PRECISION ANALYSIS THROUGH NUMERICAL MODELLING, By: Svetlik, Jozef; Demec, Peter; Kral, Jan, ADVANCES IN SCIENCE AND TECHNOLOGY-RESEARCH JOURNAL Volume: 11 Issue: 2 Pages: 212-219 Published: JUN 2017</p> <p>[8] ASSESSING THE NEED FOR ROPE REPLACEMENT IN CRANE LIFTING EQUIPMENT AFTER CHANGE OF CRANE OPERATIONAL PARAMETERS, By: Kulka, Jozef; Mantic, Martin; Kopas, Melichar; et al., ADVANCES IN SCIENCE AND TECHNOLOGY-RESEARCH JOURNAL Volume: 11 Issue: 2 Pages: 226-230 Published: JUN 2017</p> <p>[9] Research and analysis of stress distribution in multilayers of coated tools, By: Murcinkova, Zuzana; Baron, Petr; Tino, Lukas; et al., INTERNATIONAL JOURNAL OF MATERIALS RESEARCH Volume: 108 Issue: 6 Pages: 495-506 Published: JUN 2017</p> <p>[10] Flow Stress and Damage Behavior of C45 Steel Over a Range of Temperatures and Loading Rates, By: Abed, Farid H.; Saffarini, Mohammad H.; Abdul-Latif, Akrum; et al., JOURNAL OF ENGINEERING MATERIALS AND TECHNOLOGY-TRANSACTIONS OF THE ASME Volume: 139 Issue: 2 Article Number: 021012 Published: APR 2017</p> <p>[11] Influence of the cutting parameters on the workpiece temperature during face milling, By: Nowakowski, Lukasz; Skrzyniarz, Michal; Miko, Edward; et al., Conference: 11th International Conference on Experimental Fluid Mechanics (EFM) Location: Marienbad, CZECH REPUBLIC Date: NOV 15-18, 2016, Sponsor(s): Dantec Dynam GmbH; Lavision; MIT s r o; TSI GmbH,</p>	

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Title	Experimental testing of exchangeable cutting inserts cutting ability
Authors	Cep, R (Cep, Robert); Janasek, A (Janasek, Adam); Cepova, L (Cepova, Lenka); Petru, J (Petru, Jana); Hlavaty, I (Hlavaty, Ivo); Car, Z (Car, Zlatan); Hatala, M (Hatala, Michal)
Source information	TEHNICKI VJESNIK-TECHNICAL GAZETTE Volume: 20 Issue: 1 Pages: 21-26 Published: FEB 2013
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Authors	Orlovsky, I (Orlovsky, Imrich); Hatala, M (Hatala, Michal); Janak, M (Janak, Miroslav)
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Title	Modelling of strains during saw surfacing taking into heat of the weld in temperature field description and phase transformations
Authors	Winczek, J (Winczek, J.); Makles, K (Makles, K.); Gucwa, M (Gucwa, M.); Gnatowska, R (Gnatowska, R.); Hatala, M (Hatala, M.)
Source information	INTERNATIONAL CONFERENCE ON MATERIALS, ALLOYS AND EXPERIMENTAL MECHANICS (ICMAEM-2017) Book Series: IOP Conference Series-Materials Science and Engineering Volume: 225 Published: 2017
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<p>[1] Theoretical and Experimental Investigation of Temperature and Phase Transformation during SAW Overlaying, By: Winczek, Jerzy; Gawronska, Elzbieta; Gucwa, Marek; et al., APPLIED SCIENCES-BASEL Volume: 9 Issue: 7 Article Number: 1472 Published: APR 1 2019</p> <p>[2] Analytical model of stress field in submerged arc welding butt joint with thorough penetration, By: Winczek, Jerzy; Parkitny, Ryszard; Makles, Krzysztof; et al., Conference: 22nd Slovak-Polish Scientific Conference on Machine Modelling and Simulations (MMS) Location: Sklene Teplice, SLOVAKIA Date: SEP 05-08, 2017, Sponsor(s): Univ Zilina, Dept Appl Mech, Fac Mech Engn, XXII SLOVAK-POLISH SCIENTIFIC CONFERENCE ON MACHINE MODELLING AND SIMULATIONS 2017 (MMS 2017) Book Series: MATEC Web of Conferences Volume: 157 Article Number: 02056 Published: 2018</p> <p>[3] INFLUENCE OF HEATING RATE ON AUSTENITIZATION TEMPERATURES OF S355J2G3 STEEL, By: Winczek, J., Conference: 24th International Conference on Engineering Mechanics Location: Svratka, CZECH REPUBLIC Date: MAY 14-17, 2018, ENGINEERING MECHANICS 2018 PROCEEDINGS, VOL 24 Book Series: Engineering Mechanics Pages: 925-928 Published: 2018</p> <p>[4] THE MODELLING OF TEMPERATURE-DEPENDENT STRESS- -STRAIN CURVES FOR WELDABLE STEELS, By: Winczek, Jerzy; Mician, Milos; Ivanov, Vitalii, JOURNAL OF APPLIED MATHEMATICS AND COMPUTATIONAL MECHANICS Volume: 17 Issue: 3 Pages: 111-117 Published: 2018</p> <p>[5] THE ANALYSIS OF THERMOMECHANICAL STATES IN MULTIPASS ARC WELD SURFACED STEEL ELEMENTS, By: Winczek, J., ARCHIVES OF METALLURGY AND MATERIALS Volume: 63 Issue: 4 Pages: 1615-1628 Published: 2018</p> <p>[6] ANALYSIS OF THERMAL CYCLES AND PHASE TRANSFORMATIONS DURING MULTI-PASS ARC WELD SURFACING OF STEEL CASTS TAKING INTO ACCOUNT HEAT OF THE WELD, By: Winczek, Jerzy;</p>	

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Title	Analysis of signals obtained from surfaces created by abrasive waterjet by means of amplitude-frequency spectra and autocorrelation function
Authors	Valicek, J (Valicek, Jan); Hloch, S (Hloch, Sergej); Fabian, S (Fabian, Stanislav); Monkova, K (Monkova, Katarina); Hatala, M (Hatala, Michal); Luptakova, A (Luptakova, Alena); Radvanska, A (Radvanska, Agata)
Source information	TEHNICKI VJESNIK-TECHNICAL GAZETTE Volume: 15 Issue: 1 Pages: 25-31 Published: JAN-MAR 2008
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Authors	Ivanov, V (Ivanov, Vitalii); Mital, D (Mital, Dusan); Karpus, V (Karpus, Vladyslav); Dehtiarov, I (Dehtiarov, Ivan); Zajac, J (Zajac, Jozef); Pavlenko, I (Pavlenko, Ivan); Hatala, M (Hatala, Michal)
Source information	INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY Volume: 91 Issue: 1-4 Pages: 79-90 DOI: 10.1007/s00170-016-9701-2 Published: JUL 2017
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Title	Mathematical modeling of temperature characteristics of RFID tags with their subsequent application in engineering production
Authors	Duplakova, D (Duplakova, Darina); Knapcikova, L (Knapcikova, Lucia); Hatala, M (Hatala, Michal); Szilagyi, E (Szilagyi, Erik)
Source information	TEM JOURNAL-TECHNOLOGY EDUCATION MANAGEMENT INFORMATICS Volume: 5 Issue: 4 Pages: 411-416 Published: NOV 2016
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<p>[1] Identification of tool wear intensity during miniature machining of austenitic steels and titanium, By: Kamenik, Roman; Pilc, Jozef; Varga, Daniel; et al., Conference: 12th International Scientific Conference of Young Scientists on Sustainable, Modern and Safe Transport Location: High Tatras, SLOVAKIA Date: MAY 31-JUN 02, 2017, Sponsor(s): Univ Zilina, 12TH INTERNATIONAL SCIENTIFIC CONFERENCE OF YOUNG SCIENTISTS ON SUSTAINABLE, MODERN AND SAFE TRANSPORT Book Series: Procedia Engineering Volume: 192 Pages: 410-415 Published: 2017</p> <p>[2] Experimental quantification of the austenitic phase in steels using the Average peak method of x-ray diffractometry, By: Piesova, Marianna; Czan, Andrej; Sajgalik, Michal; et al., Conference: 12th International Scientific Conference of Young Scientists on Sustainable, Modern and Safe Transport Location: High Tatras, SLOVAKIA Date: MAY 31-JUN 02, 2017, Sponsor(s): Univ Zilina, 12TH INTERNATIONAL SCIENTIFIC CONFERENCE OF YOUNG SCIENTISTS ON SUSTAINABLE, MODERN AND SAFE TRANSPORT Book Series: Procedia Engineering Volume: 192 Pages: 689-694 Published: 2017</p> <p>[3] Triaxial measurement of residual stress after high feed milling using x-ray diffraction, By: Zauskova, Lucia; Czan, Andrej; Sajgalik, Michal; et al., Conference: 12th International Scientific Conference of Young Scientists on Sustainable, Modern and Safe Transport Location: High Tatras, SLOVAKIA Date: MAY 31-JUN 02, 2017, Sponsor(s): Univ Zilina, 12TH INTERNATIONAL SCIENTIFIC CONFERENCE OF YOUNG SCIENTISTS ON SUSTAINABLE, MODERN AND SAFE TRANSPORT Book Series: Procedia Engineering Volume: 192 Pages: 982-987 Published: 2017</p> <p>[4] Identification of surface characteristics created by miniature machining of dental implants made of titanium based materials, By: Babik, Ondrej; Czan, Andrej; Holubjak, Jozef; et al., Conference: 12th International Scientific Conference of Young Scientists on Sustainable, Modern and Safe Transport Location: High Tatras, SLOVAKIA Date: MAY 31-JUN 02, 2017, Sponsor(s): Univ Zilina, 12TH INTERNATIONAL SCIENTIFIC CONFERENCE OF YOUNG SCIENTISTS ON SUSTAINABLE, MODERN AND SAFE TRANSPORT Book Series: Procedia Engineering Volume: 192 Pages: 1016-1021 Published: 2017</p>	
Title	Using Edgecam for creating CNC programs in education process

Authors	Botko, F (Botko, Frantisek); Hatala, M (Hatala, Michal); Kormos, M (Kormos, Miroslav); Ungureanu, N (Ungureanu, Nicolae); Soltes, P (Soltes, Peter)
Source information	2015 IEEE 13TH INTERNATIONAL SYMPOSIUM ON APPLIED MACHINE INTELLIGENCE AND INFORMATICS (SAMI) Pages: 255-259 Published: 2015
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<p>[1] Evaluation of Possibility of AISI 304 Stainless Steel Mechanical Surface Treatment with Ultrasonically Enhanced Pulsating Water Jet, By: Lehocka, Dominika; Simkulet, Vladimir; Klich, Jiri; et al., Conference: International Conference on Manufacturing Engineering and Materials (ICMEM) Location: Novy Smokovec, SLOVAKIA Date: JUN 18-22, 2018, Sponsor(s): TUKE, Fac Mfg Technologies; Appl New Technologies; Co Klenk, ADVANCES IN MANUFACTURING ENGINEERING AND MATERIALS, ICMEM 2018 Book Series: Lecture Notes in Mechanical Engineering Pages: 163-172 Published: 2019</p> <p>[2] Non-Destructive Diagnostics of Hard-to-Reach Places by Spatial Digitization, By: Teliskova, Monika; Torok, Jozef; Duplakova, Darina; et al., TEM JOURNAL-TECHNOLOGY EDUCATION MANAGEMENT INFORMATICS Volume: 7 Issue: 3 Pages: 612-616 Published: AUG 2018</p> <p>[3] Assessment of Deformation Characteristics on CW004A Copper Influenced by Acoustically Enhanced Water Jet, By: Lehocka, Dominika; Simkulet, Vladimir; Legutko, Stanislaw, Conference: 5th International Scientific-Technical Conference (MANUFACTURING) Location: Poznan, POLAND Date: OCT 24-26, 2017, Sponsor(s): Poznan Univ Technol, Fac Mech Engr & Management; Polish Acad Sci, Comm Machine Bldg; Polish Acad Sci, Comm Prod Engr, ADVANCES IN MANUFACTURING (MANUFACTURING 2017) Book Series: Lecture Notes in Mechanical Engineering Pages: 717-724 Published: 2018</p>	
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Authors	Orlovsky, I (Orlovsky, Imrich); Hatala, M (Hatala, Michal); Duplak, J (Duplak, Jan)
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Authors	Hatala, M (Hatala, Michel); Zajac, J (Zajac, Jozef); Cep, R (Cep, Robert); Orlovsky, I (Orlovsky, Imrich)
Source information	MECHANICAL AND AEROSPACE ENGINEERING, PTS 1-7 Book Series: Applied Mechanics and Materials Volume: 110-116 Pages: 3742-+ Published: 2012
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Authors	Orlovsky, I (Orlovsky, Imrich); Hatala, M (Hatala, Michal)
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Title	Software support of modelling using ergonomic tools in engineering
Authors	Duplakova, D (Duplakova, Darina); Knapcikova, L (Knapcikova, Lucia); Radchenko, S (Radchenko, Svetlana); Hatala, M (Hatala, Michal)
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Title	Analysis of thermomechanical states in single-pass GMAW surfaced steel element
Authors	Winczek, J (Winczek, Jerzy); Gawronska, E (Gawronska, Elzbieta); Murcinkova, Z (Murcinkova, Zuzana); Hatala, M (Hatala, Michal); Pavlenko, S (Pavlenko, Slavko); Makles, K (Makles, Krzysztof)
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Title	The synergistic effect of thermal collectors rotation in relation to their energy efficiency and stagnation compared with the static thermal system in the conditions of Central Europe
Authors	Rimar, M (Rimar, Miroslav); Fedak, M (Fedak, Marcel); Hatala, M (Hatala, Michal); Smeringai, P (Smeringai, Peter)
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Authors	Michalik, P (Michalik, Peter); Zajac, J (Zajac, Jozef); Hatala, M (Hatala, Michal); Hutyrova, Z (Hutyrova, Zuzana); Mital, D (Mital, Dusan); Olhova, J (Olhova, Jaroslava)
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Authors	Neshta, A (Neshta, Anna); Kryvoruchko, D (Kryvoruchko, Dmytro); Hatala, M (Hatala, Michal); Ivanov, V (Ivanov, Vitalii); Botko, F (Botko, Frantisek); Radchenko, S (Radchenko, Svetlana); Mital, D (Mital, Dusan)
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Dátum generovania výstupu: 16. 9. 2019, 9:51:02

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