



TECHNICKÁ UNIVERZITA V KOŠICIACH  
Fakulta výrobných technológií

Prehľad preukázateľných citácií a ohlasov na vedecké  
a odborné práce

Ing. Ján Duplák, PhD.  
Prešov, 2019

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

<b>Web of Science™ Citations</b>	
Title	<b>Comprehensive identification of sintered carbide durability in machining process of bearings steel 100CrMn6</b>
Authors	Panda, A (Panda, Anton); Duplak, J (Duplak, Jan); Jurko, J (Jurko, Jozef); Behun, M (Behun, Marcel)
Source information	MECHANICAL PROPERTIES OF MATERIALS AND INFORMATION TECHNOLOGY Book Series: Advanced Materials Research Volume: 340 Pages: 30-33 Published: 2012
Times Cited in Web of Science Core Collection	6
<p>[1] Study on cone roller bearing surface roughness improvement and the effect of surface roughness on tapered roller bearing service life, By: Jurko, Jozef; Panda, Anton; Valicek, Jan; et al., INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY Volume: 82 Issue: 5-8 Pages: 1099-1106 Published: FEB 2016</p> <p>[2] Using Edgcam for creating CNC programs in education process, By: Botko, Frantisek; Hatala, Michal; Kormos, Miroslav; et al., Conference: IEEE 13th International Symposium on Applied Machine Intelligence and Informatics (SAMi) Location: Herl'any, SLOVAKIA Date: JAN 22-24, 2015, 2015 IEEE 13TH INTERNATIONAL SYMPOSIUM ON APPLIED MACHINE INTELLIGENCE AND INFORMATICS (SAMi) Pages: 255-259 Published: 2015</p> <p>[3] Using Atomic Spectrometry and Volumetry Method for Determination of Bearing Corrosion in Tribotechnical Diagnostics of Engines, By: Janka, Mihalcova, OPERATION AND DIAGNOSTICS OF MACHINES AND PRODUCTION SYSTEMS OPERATIONAL STATES II Book Series: Applied Mechanics and Materials Volume: 616 Pages: 110-117 Published: 2014</p> <p>[4] The Quality Interaction of Molten Salts in the Systems SiO<sub>2</sub> - Al<sub>2</sub>O<sub>3</sub>, By: Solc, Marek; Grambalova, Eva; Sofranko, Marian, Conference: International Conference on Advances and Trends in Engineering Materials and their Applications (ATEMA 2013) Location: Hong Kong Educ Soc, Singapore, SINGAPORE Date: OCT 11-12, 2013, MATERIALS ENGINEERING AND TECHNOLOGY Book Series: Advanced Materials Research Volume: 849 Pages: 20-+ Published: 2014</p> <p>[5] Natural and Modified Clinoptilolite Testing for Reduction of Harmful Substance in Manufacturing Exploitation, By: Pandova, Iveta; Gondova, Tatana; Dubayova, Katarina, Conference: 1st International Conference on Energy and Environmental Protection (ICEEP 2012) Location: Hohhot, PEOPLES R CHINA Date: JUN 23-24, 2012, Sponsor(s): Inner Mongolia Univ, ADVANCES IN ENVIRONMENTAL SCIENCE AND ENGINEERING, PTS 1-6 Book Series: Advanced Materials Research Volume: 518-523 Pages: 1757-+ Published: 2012</p> <p>[6] QUALITY OF REFRACTORY MATERIALS IN THE TECHNOLOGICAL PROCESS, By: Solc, Marek; Markulik, Stefan; Grambalova, Eva, Conference: 1st International Conference on Energy and Environmental Protection (ICEEP 2012) Location: Hohhot, PEOPLES R CHINA Date: JUN 23-24, 2012, Sponsor(s): Inner Mongolia Univ, NATURAL RESOURCES AND SUSTAINABLE DEVELOPMENT II, PTS 1-4 Book Series: Advanced Materials Research Volume: 524-527 Pages: 2026-2030 Published: 2012</p>	
Title	<b>New experimental expression of durability dependence for ceramic cutting tool</b>
Authors	Panda, A (Panda, Anton); Duplak, J (Duplak, Jan); Jurko, J (Jurko, Jozef); Behun, M (Behun, Marcel)
Source information	APPLIED MECHANICS AND MATERIALS I, PTS 1-3 Book Series: Applied Mechanics and Materials Volume: 275-277 Pages: 2230-2236 Published: 2013

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<p>[1] A New Approach to Evaluation of the Material Cutting Using the Artificial Neural Networks, By: Pitel, Jan; Matiskova, Darina; Marasova, Daniela, TEM JOURNAL-TECHNOLOGY EDUCATION MANAGEMENT INFORMATICS Volume: 8 Issue: 2 Pages: 325-332 Published: MAY 2019</p> <p>[2] Modelling Business Process of Manufacturing for Air Compressors, By: Panda, Anton; Zaloga, Viliyam; Dyadyura, Kostiantyn; et al., TEM JOURNAL-TECHNOLOGY EDUCATION MANAGEMENT INFORMATICS Volume: 8 Issue: 2 Pages: 430-436 Published: MAY 2019</p> <p>[3] CRITERIA FOR THE OPTIMIZATION OF PRODUCTION PROCESSES IN MACHINING OF METALLIC MATERIALS, By: Matiskova, Darina; Balog, Michal; Husar, Jozef, MANAGEMENT SYSTEMS IN PRODUCTION ENGINEERING Volume: 26 Issue: 4 Pages: 227-230 Published: DEC 2018</p> <p>[4] Study on cone roller bearing surface roughness improvement and the effect of surface roughness on tapered roller bearing service life, By: Jurko, Jozef; Panda, Anton; Valicek, Jan; et al., INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY Volume: 82 Issue: 5-8 Pages: 1099-1106 Published: FEB 2016</p> <p>[5] Determination of the Suitability of the Method Used for Evaluation Measurement Equipment Capability, By: L'uboslav, Straka; Radoslav, Krehel', OPERATION AND DIAGNOSTICS OF MACHINES AND PRODUCTION SYSTEMS OPERATIONAL STATES II Book Series: Applied Mechanics and Materials Volume: 616 Pages: 118-125 Published: 2014</p> <p>[6] IMPLEMENTATION OF VIRTUAL INSTRUMENTATION FOR MULTIPARAMETRIC TECHNICAL SYSTEM MONITORING, By: Murcinkova, Zuzana; Krenicky, Tibor, Conference: 13th International Multidisciplinary Scientific Geoconference, SGEM 2013 Location: Albena, BULGARIA Date: JUN 16-22, 2013, GEOCONFERENCE ON INFORMATICS, GEOINFORMATICS AND REMOTE SENSING - CONFERENCE PROCEEDINGS, VOL I Book Series: International Multidisciplinary Scientific GeoConference-SGEM Pages: 139-144 Published: 2013</p>	
Title	<b>Analytical expression of T-v(c) dependence in standard ISO 3685 for cutting ceramic</b>
Authors	Panda, A (Panda, Anton); Duplak, J (Duplak, Jan); Jurko, J (Jurko, Jozef)
Source information	MATERIALS ENGINEERING FOR ADVANCED TECHNOLOGIES, PTS 1 AND 2 Book Series: Key Engineering Materials Volume: 480-481 Pages: 317-322 Part: 1 + 2 Published: 2011
Times Cited in Web of Science Core Collection	6
<p>[1] Zeolite as a prospective material for the purification of automobile exhaust gases, By: Macala, Jozef; Pandova, Iveta; Panda, Anton, GOSPODARKA SUROWCAMI MINERALNYMI-MINERAL RESOURCES MANAGEMENT Volume: 33 Issue: 1 Pages: 125-137 Published: MAR 2017</p> <p>[2] Diagnostic and Experimental Valuation on Progressive Machining Unit, By: Prislupcak, Marek; Panda, Anton; Jancik, Marek; et al., OPERATION AND DIAGNOSTICS OF MACHINES AND PRODUCTION SYSTEMS OPERATIONAL STATES II Book Series: Applied Mechanics and Materials Volume: 616 Pages: 191-+ Published: 2014</p> <p>[3] Progressive Technology Diagnostics and Factors Affecting Machinability, By: Anton, Panda; Marek, Prislupcak; Iveta, Pandova, OPERATION AND DIAGNOSTICS OF MACHINES AND PRODUCTION SYSTEMS OPERATIONAL STATES II Book Series: Applied Mechanics and Materials Volume: 616 Pages: 183-190 Published: 2014</p> <p>[4] Helical drills wear during drilling of a new ELC austenitic stainless steels, By: Jurko, Jozef; Panda, Anton; Behun, Marcel; et al., Conference: 2nd International Conference on Advanced Design and Manufacturing Engineering (ADME 2012) Location: Taiyuan, PEOPLES R CHINA Date: AUG 16-18, 2012, Sponsor(s): Taiyuan Univ Sci &amp; Technol; Hong Kong Polytechn Univ; Chinese Univ Hong Kong; Natl Formosa Univ, ADVANCED MATERIALS AND PROCESS TECHNOLOGY, PTS 1-3 Book Series: Applied Mechanics and Materials Volume: 217-219 Pages: 2202-2205 Part: 1-3 Published: 2012</p> <p>[5] Natural and Modified Clinoptilolite Testing for Reduction of Harmful Substance in</p>	

<p>Manufacturing Exploitation, By: Pandova, Iveta; Gondova, Tatana; Dubayova, Katarina, Conference: 1st International Conference on Energy and Environmental Protection (ICEEP 2012) Location: Hohhot, PEOPLES R CHINA Date: JUN 23-24, 2012 , Sponsor(s): Inner Mongolia Univ, ADVANCES IN ENVIRONMENTAL SCIENCE AND ENGINEERING, PTS 1-6 Book Series: Advanced Materials Research Volume: 518-523 Pages: 1757-+ Published: 2012</p>	
<p>[6] QUALITY OF REFRACTORY MATERIALS IN THE TECHNOLOGICAL PROCESS, By: Solc, Marek; Markulik, Stefan; Grambalova, Eva, Conference: 1st International Conference on Energy and Environmental Protection (ICEEP 2012) Location: Hohhot, PEOPLES R CHINA Date: JUN 23-24, 2012 , Sponsor(s): Inner Mongolia Univ, NATURAL RESOURCES AND SUSTAINABLE DEVELOPMENT II, PTS 1-4 Book Series: Advanced Materials Research Volume: 524-527 Pages: 2026-2030 Published: 2012</p>	
Title	<b>Study of surface roughness of machined polymer composite material</b>
Authors	Hutyrova, Z (Hutyrova, Zuzana); Zajac, J (Zajac, Jozef); Michalik, P (Michalik, Peter); Mital, D (Mital, Dusan); Duplak, J (Duplak, Jan); Gajdos, S (Gajdos, Stanislav)
Source information	INTERNATIONAL JOURNAL OF POLYMER SCIENCE Article Number: 303517 Published: 2015
Times Cited in Web of Science Core Collection	5
<p>[1] Comparison of ultrasonically enhanced pulsating water jet erosion efficiency on mechanical surface treatment on the surface of aluminum alloy and stainless steel, By: Lehocka, Dominika; Klich, Jiri; Botko, Frantisek; et al., INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY Volume: 103 Issue: 5-8 Pages: 1647-1656 Published: AUG 2019</p> <p>[2] Damping properties of fibre composite and conventional materials measured by free damped vibration response, By: Murcinkova, Zuzana; Vojtko, Imrich; Halapi, Michal; et al., ADVANCES IN MECHANICAL ENGINEERING Volume: 11 Issue: 5 Article Number: 1687814019847009 Published: MAY 2019</p> <p>[3] Effect of raw material composition of wood plastic composites on surface roughness parameters evaluated with a robust filtering method, By: Gurau, Lidia; Ayrilmis, Nadir, JOURNAL OF THERMOPLASTIC COMPOSITE MATERIALS Volume: 32 Issue: 4 Pages: 427-441 Published: APR 2019</p> <p>[4] Review on Machinability of Fiber Reinforced Polymers: A Drilling Approach, By: Vigneshwaran, S.; Uthayakumar, M.; Arumugaprabu, V., SILICON Volume: 10 Issue: 5 Pages: 2295-2305 Published: SEP 2018</p> <p>[5] Rheological Behavior Modelling of Composite Materials used in Engineering Industry, By: Knapcikova, Lucia; Duplakova, Darina; Radchenko, Svetlana; et al., TEM JOURNAL-TECHNOLOGY EDUCATION MANAGEMENT INFORMATICS Volume: 6 Issue: 2 Pages: 242-245 Published: MAY 2017</p>	
Title	<b>Balance equation - an essential element of the definition of the drying process</b>
Authors	Orlovsky, I (Orlovsky, Imrich); Hatala, M (Hatala, Michal); Duplak, J (Duplak, Jan)
Source information	MATERIALS ENGINEERING AND TECHNOLOGY Book Series: Advanced Materials Research Volume: 849 Pages: 310-315 Published: 2014
Times Cited in Web of Science Core Collection	4
<p>[1] Application of Simulation for Product Quality Enhancement, By: Monkova, Katarina; Hric, Slavomir; Knapcikova, Lucia; et al., Conference: International Conference on Informatics, Management Engineering and Industrial Application (IMEIA) Location: Phuket, THAILAND Date: APR 24-25, 2016, Sponsor(s): Sci &amp; Engr Res Ctr; DEStech Publicat, 2016</p>	

<p>INTERNATIONAL CONFERENCE ON INFORMATICS, MANAGEMENT ENGINEERING AND INDUSTRIAL APPLICATION (IMEIA 2016) Pages: 216-220 Published: 2016</p> <p>[2] Static Analysis of Gantry Crane-Preliminary Study, By: Monkova, Katarina; Monka, Peter; Kacalova, Maria; et al., Conference: International Conference on Advanced Manufacture Technology and Industrial Application (AMTIA) Location: Shanghai, PEOPLES R CHINA Date: SEP 25-26, 2016, INTERNATIONAL CONFERENCE ON ADVANCED MANUFACTURE TECHNOLOGY AND INDUSTRIAL APPLICATION, AMTIA 2016 Pages: 258-262 Published: 2016</p> <p>[3] Modern tools in education used within the technical mechanics lessons, By: Monkova, Katarina; Monka, Peter; Hutyrova, Zuzana; et al., Conference: 5th International Conference on New Horizons in Education (INTE) Location: Paris, FRANCE Date: JUN 25-27, 2014, INTERNATIONAL CONFERENCE ON NEW HORIZONS IN EDUCATION, INTE 2014 Book Series: Procedia Social and Behavioral Sciences Volume: 174 Pages: 3264-3271 Published: 2015</p> <p>[4] Diagnostics of the Arm Actuator Position using Incremental Measurement, By: Radoslav, Krehel'; L'uboslav, Straka, OPERATION AND DIAGNOSTICS OF MACHINES AND PRODUCTION SYSTEMS OPERATIONAL STATES II Book Series: Applied Mechanics and Materials Volume: 616 Pages: 77-84 Published: 2014</p>	
Title	<b>Roller bearings and analytical expression of selected cutting tools durability in machining process of steel 80MoCrV4016</b>
Authors	Panda, A (Panda, Anton); Duplak, J (Duplak, Jan); Jurko, J (Jurko, Jozef); Pandova, I (Pandova, Iveta)
Source information	AUTOMATIC CONTROL AND MECHATRONIC ENGINEERING II Book Series: Applied Mechanics and Materials Volume: 415 Pages: 610-613 Published: 2013
Times Cited in Web of Science Core Collection	3
<p>[1] EXAMINATION OF MATERIAL MANUFACTURED BY DIRECT METAL LASER SINTERING (DMLS), By: Dobransky, J.; Baron, P.; Simkulet, V.; et al., METALURGIJA Volume: 54 Issue: 3 Pages: 477-480 Published: JUL-SEP 2015</p> <p>[2] SOLVING DEPRESSIONS FORMED DURING PRODUCTION OF PLASTIC MOLDING, By: Dobransky, J.; Baron, P.; Kocisko, M.; et al., METALURGIJA Volume: 54 Issue: 3 Pages: 496-498 Published: JUL-SEP 2015</p> <p>[3] Implementation of Computer System for Support of Technological Preparation of Production for Technologies of Surface Processing, By: Svetlik, Jozef; Baron, Petr; Dobransky, Jozef; et al., Conference: 13th International Conference on Industrial, Service and Humanoid Robotics (ROBTEP) Location: SLOVAKIA Date: MAY 15-17, 2014, Sponsor(s): Europsky Fond Regionalneho Rozvoja; Agentura Ministerstva Skolstva, Vedy, Vyskumu Sportu SR Pre Strukturálne Fondy EU; Operacny Program Vyskum Vyvoj, INDUSTRIAL AND SERVICE ROBOTICS Book Series: Applied Mechanics and Materials Volume: 613 Pages: 418-+ Published: 2014</p>	
Title	<b>Study of the Surface Material AISI 304 Usable for Actuator after the Process of Turning</b>
Authors	Panda, A (Panda, Anton); Duplak, J (Duplak, Jan); Vorobel', T (Vorobel', Tomas); Jurko, J (Jurko, Jozef); Fabian, S (Fabian, Stanislav)
Source information	DESIGN, TESTING AND CHARACTERISTICS OF MECHATRONIC DEVICES Book Series: Applied Mechanics and Materials Volume: 460 Pages: 107-114 Published: 2014
Times Cited in Web of Science Core Collection	2
<p>[1] Diagnostic and Experimental Valuation on Progressive Machining Unit, By: Prislupcak, Marek; Panda, Anton; Jancik, Marek; et al., OPERATION AND DIAGNOSTICS OF MACHINES AND PRODUCTION SYSTEMS OPERATIONAL STATES II Book Series: Applied Mechanics and Materials Volume: 616 Pages: 191-+ Published: 2014</p> <p>[2] Progressive Technology Diagnostics and Factors Affecting Machinability, By: Anton, Panda;</p>	

Marek, Prislupcak; Iveta, Pandova, OPERATION AND DIAGNOSTICS OF MACHINES AND PRODUCTION SYSTEMS OPERATIONAL STATES II Book Series: Applied Mechanics and Materials Volume: 616 Pages: 183-190 Published: 2014	
[3]	
Title	<b>Comprehensive analysis and study of the machinability of a high strength aluminum alloy (EN AW-AlZn5.5MgCu) in the high-feed milling</b>
Authors	Duplak, J (Duplak, J.); Hatala, M (Hatala, M.); Duplakova, D (Duplakova, D.); Steranka, J (Steranka, J.)
Source information	ADVANCES IN PRODUCTION ENGINEERING & MANAGEMENT Volume: 13 Issue: 4 Pages: 455-465 Published: DEC 2018
Times Cited in Web of Science Core Collection	1
[1] Comparison of ultrasonically enhanced pulsating water jet erosion efficiency on mechanical surface treatment on the surface of aluminum alloy and stainless steel, By: Lehocka, Dominika; Klich, Jiri; Botko, Frantisek; et al., INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY Volume: 103 Issue: 5-8 Pages: 1647-1656 Published: AUG 2019	
Title	<b>Detail study and analysis of durability for selected cutting materials according to Taylor's theory</b>
Authors	Duplak, J (Duplak, Jan); Cuma, M (Cuma, Matus); Kormos, M (Kormos, Miroslav)
Source information	PRECISION MACHINING VII Book Series: Key Engineering Materials Volume: 581 Pages: 3-8 Published: 2014
Times Cited in Web of Science Core Collection	1
[1] The Neo-Institutionalism Influences on Corporate Social Responsibility Reporting Development in Australia: A Three Company Study, By: Paynter, Merryn; Halabi, Abdel K.; Lawton, Alan, Conference: 15th International Conference on Corporate Social Responsibility / 6th Organisational Governance Conference Location: Melbourne, AUSTRALIA Date: SEP, 2016, GOALS OF SUSTAINABLE DEVELOPMENT: RESPONSIBILITY AND GOVERNANCE Book Series: Approaches to Global Sustainability Markets and Governance Pages: 193-214 Published: 2018	

## 2. Prehľad citácií a ohlasov na vedecké a odborné práce

Názov príspevku	<b>Turning bearing rings and determination of selected cutting materials durability</b>
Autori	PANDA, Anton - DUPLÁK, Ján - JURKO, Jozef - ZAJAC, Jozef
Počet citácií	11
[1]	RIMAR, Miroslav, FEDÁK, Marcel, KUNA, Štefan Equation of stabilization of low damped astatic systems. In: Applied Mechanics and Materials Vol. 415 (2013), p. 427-430 ISSN: 1660-9336
[2]	RIMÁR, Miroslav, KUNA, Štefan, ČORNÝ, Ivan Proposal of Linear Drive for Mechatronic Facility of Solar Panels In: Applied Mechanics and Materials Vol. 460 (2014), p. 57-64 ISSN: 1660-9336 ISBN: 978-303785931-5
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[4]	SIMKULET, V. et al. Analysis of the damage causes of high speed bearing failure In: Applied Mechanics and Materials Vol. 616 (2014), p. 200-206 ISSN: 1660-9336
[5]	STRAKA, L., KREHEL, R. Determination of the suitability of the method used for evaluation measurement equipment capability In: Applied Mechanics and Materials Vol. 616 (2014), p. 118-125 ISSN: 1660-9336
[6]	FABIAN, S., SALOKYOVÁ, Š. Experimental investigation and analysis of the impact in abrasive mass flow changes with and without the use of sieve analysis on technological head vibrations at hydroabrasive cutting In: Applied Mechanics and Materials Vol. 616 (2014), p. 85-92 ISSN: 1660-9336
[7]	2014 [1] MONKOVÁ, K. et al. Design of the welding fixture for the rear headrest bracket of Audi In: Advanced Materials Research : ICMEQP 2014 : 3rd International Conference on Manufacture Engineering, Quality and Production System : Hong Kong, 27-28 February 2014 Vol. 933 (2014), p. 615-618 ISSN: 1022-6680 ISBN: 978-303835091-0
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[10]	HUSÁR, J., DUPLÁKOVÁ, D. Material flow planning for bearing production in digital factory In: Key Engineering Materials Vol. 669 (2016), p. 541-550 ISSN: 1013-9826
[11]	DANESHJO, N. et al. Production of electric energy by use of wind energy In: TEM Journal Vol. 7, no. 3 (2018), p. 573-581 ISSN: 2217-8309
Názov príspevku	<b>Comprehensive Identification of Sintered Carbide Durability in Machining Process of Bearings Steel 100CrMn6</b>
Autori	PANDA, Anton - DUPLÁK, Ján - JURKO, Jozef - BEHÚN, Marcel
Počet citácií	11
[1]	PANDOVÁ, Iveta Creation and Catalytic Reduction of Some Subject in Manufacturing Utilization In: Studia i materialy Vol. 29, no. 2 (2011), p. 44-47 ISSN: 0860-7761
[2]	PANDOVÁ, Iveta, GONDOVÁ, Tatána, DUBAYOVÁ, Katarína Natural and modified clinoptilolite testing for reduction of harmful substance in manufacturing exploitation In: Advanced Materials Research Vol. 518-523 (2012), p. 1757-1760 ISSN: 1022-6680 ISBN: 978-303785416-7
[3]	JANČÍK, Marek, ORENDÁČ, Marek, JURKO, Slavko Drive characteristic of the planetary gearing mechanism In: Studia i materialy Vol. 31, no. 1 (2012), p. 60-63 ISSN: 0860-7761
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Názov príspevku	<b>Analytical expression of T-vc dependence in standard ISO 3685 for cutting ceramic</b>
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Autori	PANDA, Anton - DUPLÁK, Ján - JURKO, Jozef
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Počet citácií	10
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[1] GAJDOŠ, Mário, ZABOROWSKI, Tadeusz Study on helical drill wear when drilling low carbon stainless steel X02Cr17Ni9TiN and accompanying phenomena in the cutting zone In: Team 2011 : 3-rd international Scientific and Expert Conference of the International TEAM Society : Trnava, 2011 S. 216-219 ISBN: 978-953-55970-5-6

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[5] JANČÍK, Marek, ORENDÁČ, Peter, JURKO, Slavko Drive characteristic of the planetary gearing mechanism In: Studia i materialy Vol. 31, no. 1 (2012), p. 60-63 ISSN: 0860-7761

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Názov príspevku	<b>CAM Software Products for Creation of Program for CNC Machining</b>
Autori	MICHALIK, Peter - ZAJAC, Jozef - DUPLÁK, Ján - PIVOVARNÍK, Alexander
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Autori	MICHALIK, Peter - JANÁK, Miroslav - DUPLÁK, Ján - PIVOVARNIK, Alexander - SPIRENG, Peter - STREDNAK, Martin
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Autori	BREZÍKOVÁ, Katarína - HATALA, Michal - DUPLÁK, Ján - MITAL', Dušan - RADCHENKO, Svetlana - BOTKO, František
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Autori	MITAL'OVÁ, Zuzana - MAKIELA, Wlodzimierz - MICHALIK, Peter - MITAL, Dušan - RADCHENKO, Svetlana - DUPLÁK, Ján - CZÁN, Andre
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<p>[1] STRAKA, L., HASOVÁ, S. Research of the basic physical regularities of material removal in electrical discharge machining of tool steel In: Key Engineering Materials Vol. 756, (2017), p. 96-106 ISSN: 1013-9826</p> <p>[2] KNAPCIKOVA, Lucia et al. Rheological behavior modelling of composite materials used in engineering industry In: TEM Journal Vol. 6, no. 2 (2017), p. 242-245 ISSN: 2217-8309</p> <p>[3] DUPLAK, Jan et al. Evaluation of time efficiency of high feed milling In: TEM Journal Vol. 7, no. 1 (2018), p. 13-18 ISSN: 2217-8309</p>	
Názov príspevku	<b>Analysis of cutting tools durability importance in turning process of steel C60</b>
Autori	DUPLÁK, Ján - HATALA, Michal - BOTKO, František - KORMOŠ, Miroslav
Počet ohlasov	3
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Názov príspevku	<b>Analysis of Cutting Tools Durability Compared with Standard ISO 3685</b>
Autori	PANDA, Anton - DUPLÁK, Ján - VASILKO, Karol
Počet ohlasov	2
<p>[1] MICHALIK, P. et al. Monitoring surface roughness of thin-walled components from steel C45 machining down and up milling. In: Measurement Vol. 58 (2014), p. 416-428 ISSN: 0263-2241</p> <p>[2] MICHALIK, P. et al. Comparison of software and calculated correction of the tip radius of turning tool for control system Fanuc. In: Key Engineering Materials Vol. 669 (2016), p. 270-277 ISSN: 1013-9826</p>	



Názov príspevku	<b>Cutting ceramic durability in machining process of bearings steel 100Cr6</b>
Autori	PANDA, Anton - DUPLÁK, Ján - HATALA, Michal
Počet ohlasov	2
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Názov príspevku	<b>Research on the durability of selected cutting materials in the process of turning carbon steel</b>
Autori	PANDA, Anton - DUPLÁK, Ján - HATALA, Michal - KRENICKÝ, Tibor - VRÁBEL, Peter
Počet ohlasov	2
<p>[1] STRAKA, L., HASOVA, S. Influence of process parameters on geometric precision of machined surface after WEDM In: Key Engineering Materials Vol. 756 (2017), p. 107-118 ISSN: 1013-9826</p> <p>[2] STRAKA, L. - ČORNÝ, I. - PITEL, J. Prediction of the geometrical accuracy of the machined surface of the tool steel EN X30WCrV9-3 after electrical discharge machining with CuZn37 wire electrode In: Metals Vol. 7, no. 11 (2017), art. no. 462 ISSN: 2075-4701</p>	
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Autori	DUPLÁK, Ján - PANDA, Anton - KORMOŠ, Miroslav - PANDOVÁ, Iveta - JURKO, Slávko
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<p>[1] KROČKO, Vladimír - KORENKO, Maroš - ÁLLO, Štefan Influence of Modern Ways of Metallic Coatings Application and their Optimization for Quality of Parts Used in Car Industry In: Influence of Modern Ways of Metallic Coatings Application and their Optimization for Quality of Parts Used in Car Industry 78 p ISBN: 978-3-942303-40-8</p> <p>[2] POKORNÝ, P. et al. Deformation and fem analysis of the chip root in face milling proces In: Solid State Phenomena : ICPM 2017 : 9th International Congress on Precision Machining : Athenes, 6-9 September, 2017 Vol. 261 SSP (2017), p. 370-377 ISSN: 1662-9779 ISBN: 978-303571199-8</p>	
Názov príspevku	<b>Measuring of internal residual stress after machining using eddy current in dependence of technological parameters</b>
Autori	MITAL, Dušan - ZAJAC, Jozef - HATALA, Michal - DUPLÁK, Ján - MICHALIK, Peter - MIHOK, Jozef
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Názov príspevku	<b>Study of high feed cutting efficiency of aluminum alloy AW - Alzn5,5mgcu</b>
Autori	BOTKO, František - HATALA, Michal - DUPLÁK, Ján - OLEXA, Igor - BIRČÁK, Jaroslav
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[1] KURUC, M. et al. Comparison of high feed machining with conventional milling in terms of dimension accuracy and productivity In: DAAAM 2018 : 29 th International symposium on intelligent manufacturing and automation : Zadar, 24-27 October, 2018 Vol. 29, no. 1 (2018), p. 0426-0434 ISSN: 1726-9679 ISBN: 978-3-902734-20-4	
Názov príspevku	<b>T-Vc Dependence for sintered metal in standard ISO 3685</b>
Autori	DUPLÁK, Ján - HATALA, Michal - KRATOCHVÍL, Jiří - SADÍLEK, Marek
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Názov príspevku	<b>Experimental High Speed Milling of the Selected Thin -Walled Component</b>
Autori	ZAJAC, Jozef - HATALA, Michal - DUPLÁK, Ján - DUPLÁKOVÁ, Darina - STERANKA, Jozef
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[1] KAŠČAK, J. et al. Design of triaxial production device In: Manufacturing Technology Vol. 18, no. 3 (2018), p. 406-410 ISSN: 1213-2489	
Názov príspevku	<b>Evaluation of Time Efficiency of High Feed Milling</b>
Autori	DUPLÁK, Ján - HATALA, Michal - DUPLÁKOVÁ, Darina - STERANKA, Jozef
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Názov príspevku	<b>Machinability Research by New Abrasion-Resistant Cast Irons Cutting</b>
Autori	PANDA, Anton - HATALA, Michal - DYADYURA, Konstantin - DUPLÁK, Ján - YUNAK, Anna

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Názov príspevku	<b>Method for measurement of residual stresses using Eddy currents</b>
Autori	MITAL', Dušan - MICHALIK, Peter - DUPLÁK, Ján - RADCHENKO, Svetlana - ŽIVČÁK, Jozef - KACZMARSKA, Bozena - ALOWA, Mohamed
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Názov príspevku	<b>Study of welding parameters effect on the weld quality for structural steel S235 J0</b>
Autori	MIČKO, Miroslav - DUPLÁK, Ján - ZAJAC, Jozef - HATALA, Michal - KACZMARSKA, Bozena - BOTKO, František - ALOWA, Mohammed
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Názov príspevku	<b>The effect of cutting temperature on carbide drilling life in the process of CFRPsteel stacks drilling</b>
Autori	KOLESNYK, Vitaliy - D, Kryvoruchko - HATALA, Michal - MITAL', Dušan - DUPLÁK, Ján - MITAL'OVÁ, Zuzana - ALOWA, Mohamed
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Názov príspevku	<b>Comprehensive identification of durability for Selected Cutting Tool Applied on the base of Taylor Dependence</b>
Autori	PANDA, Anton - DUPLÁK, Ján - VASILKO, Karol
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[1] MITAL', D. et al. Method for Measurement of Residual Stresses using Eddy Currents. In: Key Engineering Materials Vol. 669 (2016), p. 409-416 ISSN: 1013-9826	
Názov príspevku	<b>Creation of programs by shop floor programming for CNC machines using cam software</b>
Autori	MICHALIK, Peter - HATALA, Michal - DUPLÁK, Ján
Počet ohlasov	1
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Názov príspevku	<b>The comprehensive comparison of the selected cutting materials with standard ISO 3685 in machining process of steel C60</b>
Autori	DUPLÁK, Ján - HATALA, Michal - ZAJAC, Jozef - VASILKO, Karol - KORMOŠ, Miroslav - JURKO, Slávko
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**Dátum generovania výstupu: 15. 9. 2019, 18:47:10**

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

**Počet záznamov: 1**

AAA - Vedecké monografie vydané v zahraničných vydavateľstvách (1)

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

**Počet záznamov: 6**

ACB - Vysokoškolské učebnice vydané v domácich vydavateľstvách (5)

FAI - Redakčné a zostavovateľské práce knižného charakteru (bibliografie, encyklopédie, katalógy, slovníky, zborníky...) (1)

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

**Počet záznamov: 6**

ADC - Vedecké práce v zahraničných karentovaných časopisoch (6)

**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: 62**

ADE - Vedecké práce v zahraničných nekarentovaných časopisoch (5)

ADF - Vedecké práce v domácich nekarentovaných časopisoch (6)

AEC - Vedecké práce v zahraničných recenzovaných vedeckých zborníkoch, monografiách (14)

AED - Vedecké práce v domácich recenzovaných vedeckých zborníkoch, monografiách (4)

AFC - Publikované príspevky na zahraničných vedeckých konferenciách (20)

AFD - Publikované príspevky na domácich vedeckých konferenciách (13)

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

**Počet záznamov: 21**

ADM - Vedecké práce v zahraničných časopisoch registrovaných v databázach Web of Science alebo SCOPUS (20)

AEM - Abstrakty vedeckých prác v zahraničných časopisoch registrovaných v databázach Web of Science alebo SCOPUS (1)

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

**Počet záznamov: 7**

BEE - Odborné práce v zahraničných nerecenzovaných zborníkoch (konferenčných aj nekonferenčných) (5)

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

GAI - Výskumné štúdie a priebežné správy (1)

**Počet záznamov spolu: 103**

**Menný zoznam publikácií:**

**AAA - Vedecké monografie vydané v zahraničných vydavateľstvách(1)**

AAA001 [207208] **Current scientific knowledge about new composite materials on the basis of polymer concrete** / Darina Dupláková, Ján Duplák, Peter Šoltés - 1. vyd. - Lüdenscheid : RAM-Verlag - 2019. - 128 s. [print]. - ISBN 978-3-942303-79-8.  
[DUPLÁKOVÁ, Darina - DUPLÁK, Ján - ŠOLTÉS, Peter]

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ACB001 [159772] **Číslicovo riadené obrábacie stroje a ich programovanie** / Peter Michalik, Ján Duplák, Miroslav Kormoš - 1. vyd. - Prešov : FVT TU - 2015. - 206 s.. - ISBN 978-80-553-1837-0.  
[MICHALIK, Peter - DUPLÁK, Ján - KORMOŠ, Miroslav]

ACB002 [207212] **Výrobné technológie: Technické materiály, zlievarenstvo a tvárnenie** / Ján

Duplák ... [et al.] - 1. vyd. - Košice : Technická univerzita v Košiciach - 2019. - 145 s. [print]. - ISBN 9788055333342.

[DUPLÁK, Ján - DUPLÁKOVÁ, Darina - HATALA, Michal - ZAJAC, Jozef]

ACB003 [207213] **Výrobné technológie** Spájanie a delenie materiálov/ Michal Hatala ... [et al.] - 1. vyd. - Košice : Technická univerzita v Košiciach - 2019. - 143 s. [print]. - ISBN 978-80-553-3336-6.

[HATALA, Michal - DUPLÁK, Ján - DUPLÁKOVÁ, Darina - ZAJAC, Jozef]

ACB004 [207214] **Výrobné technológie** Obrábanie/ Ján Duplák ... [et al.] - 1. vyd. - Košice : Technická univerzita v Košiciach - 2019. - 95 s. [print]. - ISBN 978-80-553-3337-3.

[DUPLÁK, Ján - DUPLÁKOVÁ, Darina - ZAJAC, Jozef - STERANKA, Jozef]

ACB005 [207215] **Výrobné technológie** Dokončovacie výrobné procesy a kontrola/ Ján Duplák ... [et al.] - 1. vyd. - Košice : Technická univerzita v Košiciach - 2019. - 90 s. [print]. - ISBN 978-80-553-3338-0.

[DUPLÁK, Ján - DUPLÁKOVÁ, Darina - HATALA, Michal - RADCHENKO, Svetlana]

### **ADC - Vedecké práce v zahraničných karentovaných časopisoch(6)**

ADC001 [167753] **Study of Surface Roughness of Machined Polymer Composite Material** / Zuzana Hutytová ... [et al.] - 2015.In: International Journal of Polymer Science. Vol. 2015 (2015), p. 1-6. - ISSN 1687-9422 Spôsob prístupu:

[http://apps.webofknowledge.com/full\\_record.do?product=UA&search\\_mode=OneClickSearch&qid=4&SID=T2btOnutRZkKaTIQp6z&page=1&doc=3](http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=OneClickSearch&qid=4&SID=T2btOnutRZkKaTIQp6z&page=1&doc=3).

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[http://apps.webofknowledge.com/full\\_record.do?product=CCC&search\\_mode=GeneralSearch&qid=5&SID=C2C9OTasFeJMn4eOiNR&page=1&doc=1](http://apps.webofknowledge.com/full_record.do?product=CCC&search_mode=GeneralSearch&qid=5&SID=C2C9OTasFeJMn4eOiNR&page=1&doc=1).

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ADE001 [110877] **Comparison of creation of CNC programs in different CAM software products** / Peter Michalik ... [et al.] - 2011. In: Journal CA Systems in Production Planning. Vol. 12, no. 1 (2011), p. 91-94. - ISSN 1335-3799

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ADE004 [194770] **Study of high feed cutting efficiency of aluminum alloy AW – Alzn5,5mgcu / František Botko ... [et al.] - 2018. In: SAR Journal. Vol. 1, no. 2 (2018), p. 53-56. - ISSN 2619-9955**

[BOTKO, František - HATALA, Michal - DUPLÁK, Ján - OLEXA, Igor - BIRČÁK, Jaroslav]

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

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#### **FAI - Redakčné a zostavovateľské práce knižného charakteru (bibliografie, encyklopédie, katalógy, slovníky, zborníky...) (1)**

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