



TECHNICKÁ UNIVERZITA V KOŠICIACH
Fakulta výrobných technológií

Prehľad publikačnej činnosti

Ing. Zuzana Mitaľová, PhD.

Prešov, 2023

1. Najvýznamnejšie vedecké práce

Web of Science™ Articles	
Title	Quantifying the mechanical properties of materials and the process of elastic-plastic deformation under external stress on material
Authors	VALÍČEK, Jan - HARNIČÁROVÁ, Marta - ÖCHSNER, A - HUTYROVÁ, Zuzana - KUŠNEROVÁ, Milena - TOZAN, Hakan - MICHENKA, Vit - ŠEPELÁK, V. - MITAŘ, Dušan - ZAJAC, Jozef
Source information	<i>Materials</i> . Vol. 8, no. 11 (2015), p. 7401-7422.
Specification	Curent Contents Connect (2015): IF= 2.728, Q1
Title	Study of Surface Roughness of Machined Polymer Composite Material
Authors	HUTYROVÁ, Zuzana - ZAJAC, Jozef - MICHALIK, Peter - MITAŘ, Dušan - DUPLÁK, Ján - GAJDOS, Stanislav
Source information	<i>International Journal of Polymer Science</i> . Vol. 2015 (2015), p. 1-6.
Specification	Curent Contents Connect (2015): IF= 1.000, Q3
Title	Turning of wood plastic composites by water jet and abrasive water jet
Authors	HUTYROVÁ, Zuzana - ŠČUČKA, Jiří - HLOCH, Sergej - HLAVÁČEK, Petr - ZELENÁK, Michal
Source information	<i>The International Journal of Advanced Manufacturing Technology</i> . Vol. 84, no. 5-8 (2016), p.1615-1623.
Specification	Curent Contents Connect (2016): IF= 2.209, Q2
Title	Method of determination of enthalpy and entropy for the technology of laser cutting
Authors	HARNIČÁROVÁ, Marta - VALÍČEK, Jan - KUŠNEROVÁ, Milena - HUTYROVÁ, Zuzana - PANDA, Anton - TEMUCIN, Tolga
Source information	<i>Materialwissenschaft und Werkstofftechnik</i> . Vol. 47, no. 5-6 (2016), p. 452-461.
Specification	Curent Contents Connect (2016): IF= 0.524, Q4
Title	A new approach for the determination of technological parameters for hydroabrasive cutting of materials
Authors	VALÍČEK, Jan - HARNIČÁROVÁ, Marta - HLAVATÝ, Ivo - GRZNÁRIK, Radovan - KUŠNEROVÁ, Milena - HUTYROVÁ, Zuzana - PANDA, Anton
Source information	<i>Materialwissenschaft und Werkstofftechnik</i> . Vol. 47, no. 5-6 (2016), p. 462-471.
Specification	Curent Contents Connect (2018): IF= 0.556, Q4
Title	Modelling of stress-strain states of nanomaterials created by multiple plastic deformation

Authors	KUŠNEROVÁ, Milena - VALÍČEK, Jan - HARNIČÁROVÁ, Marta - HUTYROVÁ, Zuzana - TOZAN, Hakan - ROKOSZ, Krzysztof
Source information	<i>Journal of Nanoscience and Nanotechnology</i> . Vol. 16, no. 8 (2016), p. 7826-7828.
Specification	Curent Contents Connect (2016): IF= 1.483, Q3
Title	Identification of Topography of Surfaces Created by Turning Biomaterials with Optical Profilometry
Authors	MITAĽOVÁ, Zuzana - MITAĽ, Dušan - BOTKO, František - LITECKÁ, Juliána - ZAJAC, Jozef - HARNIČÁROVÁ, Marta - VALÍČEK, Jan
Source information	<i>BioResources</i> . Vol. 15, No. 2 (2020), p. 2483-2494.
Specification	Curent Contents Connect (2020): IF= 1.614, Q2
Title	Machining of wood plastic composite using awj technology with controlled output quality
Authors	MITAĽOVÁ, Zuzana - BOTKO, František - VANDŽURA, Radoslav - LITECKÁ, Juliána - MITAĽ, Dušan - MITAĽ, Dušan - SIMKULET, Vladimír
Source information	<i>Machines</i> . Vol. 10, no. 7 (2022), p. 1-12.
Specification	Curent Contents Connect (2021): IF= 2.899, Q2

2. Prehľad vedeckých prác, odborných prác a učebníc

Dátum generovania výstupu: 16.02.2023, 13:31:35

Záznamy v kategóriách do 31.1.2022

Skupina A2 (do 31.1.2022) - Ostatné knižné publikácie (ACA, ACB, BAA, BAB, BCB, BCI, CAA, CAB, EAI, EAJ, FAI)

Počet záznamov: 5

ACB - Vysokoškolské učebnice vydané v domácich vydavateľstvách (1)

BCI - Skriptá a učebné texty (4)

Skupina B (do 31.1.2022) - Publikácie v karentovaných časopisoch alebo registrované vo WoS a Scopus (ADC, ADD, BDC, BDD, CDC, CDD, ADM, ADN, BDM, BDN)

Počet záznamov: 20

ADC - Vedecké práce v zahraničných karentovaných časopisoch (7)

ADM - Vedecké práce v zahraničných časopisoch registrovaných v databázach Web of Science alebo SCOPUS (13)

Skupina D (do 31.1.2022) - Ostatné publikácie (ACC, ACD, ADE, ADF, AEC, AED, AEG, AEH, AFA, AFB, AFC, AFD, AFE, AFF, AFG, AFH, AEM, AEN, BBA, BBB, BCK, BDA, BDB, BDE, BDF, BEE, BEF, BFA, BFB, CBA, CBB, CDE, CDF)

Počet záznamov: 62

ADE - Vedecké práce v zahraničných nekarentovaných časopisoch (4)

ADF - Vedecké práce v domácich nekarentovaných časopisoch (6)

AEC - Vedecké práce v zahraničných recenzovaných vedeckých zborníkoch, monografiách (9)

AED - Vedecké práce v domácich recenzovaných vedeckých zborníkoch, monografiách (3)

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

AFC - Publikované príspevky na zahraničných vedeckých konferenciách (17)

AFD - Publikované príspevky na domácich vedeckých konferenciách (15)

AFG - Abstrakty príspevkov zo zahraničných konferencií (1)

AFH - Abstrakty príspevkov z domácich konferencií (3)

BEE - Odborné práce v zahraničných nerecenzovaných zborníkoch (konferenčných aj nekonferenčných) (1)

BEF - Odborné práce v domácich nerecenzovaných zborníkoch (konferenčných aj nekonferenčných) (2)

Skupina Patenty (do 31.1.2022) - Patentové prihlášky, prihlášky úžitkových vzorov, prihlášky dizajnov, prihlášky ochranných známok,... (AGJ)

Počet záznamov: 3

AGJ - Autorské osvedčenia, patenty, objavy (3)

Záznamy v kategóriách od 1.2.2022

Skupina V - Vedecký výstup publikačnej činnosti (V1, V2, V3)

Počet záznamov: 8

V2 - Výstup publikačnej činnosti ako časť editovanej knihy alebo zborník - Vedecký (1)

V3 - Výstup publikačnej činnosti z časopisu - Vedecký (7)

Skupina P - Pedagogický výstup publikačnej činnosti (P1, P2)

Počet záznamov: 1

P1 - Výstup publikačnej činnosti ako celok - Pedagogický (1)

Počet záznamov spolu: 99

Menný zoznam publikácií:

ACB - Vysokoškolské učebnice vydané v domácich vydavateľstvách(1)

ACB001 [214943] **Technické materiály vo výrobných technológiách a konštrukčných aplikáciách** / Ľudovít Parilák, Vladimír Simkulet, Zuzana Mitaľová - 1. vyd. - Košice : Technická univerzita v Košiciach - 2020. - 133 s. [print]. - ISBN 978-80-553-3489-9.
[PARILÁK, Ľudovít - SIMKULET, Vladimír - MITAĽOVÁ, Zuzana]

Kvartil: neuvedené | Impakt faktor: neuvedené
Databázy: WOS: nie CCC: nie SCOPUS: nie

ADC - Vedecké práce v zahraničných karentovaných časopisoch (7)

ADC001 [167748] **Quantifying the mechanical properties of materials and the process of elastic-plastic deformation under external stress on material** / Jan Valicek ... [et al.] - 2015.In: Materials. Vol. 8, no. 11 (2015), p. 7401-7422. - ISSN 1996-1944 Spôsob prístupu:
<http://www.scopus.com/record/display.uri?eid=2-s2.0-84949637849&origin=resultslist&sort=plf-f&src=s&sid=AE6D094EE15C37106CA3775541E3EA78.FZq2ODcJC9ArCe8WOZPvA%3a80&sot=autdoc&s&sdt=autdocs&sl=18&s=AU-ID%2855655110100%29&relpos=6&citeCnt=0&searchTerm=>.
[VALÍČEK, Jan - HARNICAROVA, Marta - ÖCHSNER, A - MITAĽOVÁ, Zuzana - KUSNEROVA, Milena - TOZAN, Hakan - MICHENKA, Vit - ŠEPELÁK, .V - MITAĽ, Dušan - ZAJAC, Jozef]

Kvartil: neuvedené | Impakt faktor: neuvedené
Databázy: WOS: nie CCC: nie SCOPUS: nie

Ohlasy:

2016 [1] DOBRANSKY, J., BOTKO, F., VOJNOVA, E. Monitoring of production quality for plastic component In: MM Science Journal Vol. 2016, no. September (2016), p. 927-930 ISSN: 1803-1269 DB: Scopus

2016 [1] DOBRANSKY, J., BOTKO, F., VOJNOVA, E. Heat transfer monitoring of injection mold In: MM Science Journal Vol. 2016, no. October (2016), p. 1073-1076 ISSN: 1803-1269 DB: Scopus

2017 [1] VALICEK, J. Creation of combined σ - ϵ graphs for some engineering materials: erstellung von kombinierten σ - ϵ graphen für technische materialien In: Materialwissenschaft und Werkstofftechnik Vol. 48, no. 5 (2017), p.364-372 ISSN: 0933-5137 DB: Scopus

2017 [1] VALÍČEK, J. et al. Identification of upper and lower level yield strength in materials In: Materials Vol. 10, no. 9 (2017), art. no. 982 ISSN: 1996-1944 DB: Scopus
[WOS:000411506700002]

2017 [01] VALICEK, J., HARNICAROVA, M., KUSNEROVA, M. et al.: Creation of combined sigma-epsilon graphs for some engineering materials In: MATERIALWISSENSCHAFT UND WERKSTOFFTECHNIK : Split vol.48, no.5 (2017) p.364-372 ISSN:0933-5137 eISSN:1521-4052
Doi:10.1002/mawe.201700005
[WOS:000405214000007] [NEIMPORTOVANÉ V CREPČ]

2018 [1] TELIŠKOVÁ, M. et al. Non-Destructive Diagnostics of Hard-to-Reach Places by Spatial Digitization In: TEM Journal Vol. 7, no. 3 (2018), p. 612-616 ISSN: 2217 -8309 DB: Scopus [WOS:000442699500018]

2018 [1] DUPLÁK, J. et al. Comprehensive analysis and study of the machinability of a high strength aluminum alloy (EN AW-AlZn5. 5MgCu) in the high-feed milling In: Advances in Production Engineering Management Vol. 13, no. 4 (2018), p. 455-465 ISSN: 1854-6250 DB: WOS

2018 [1] WANG, C., LI, S. Hybrid fruit fly optimization algorithm for solving multi-compartment vehicle routing problem in intelligent logistics In: Advances in Production Engineering Management Vol. 13, no. 4 (2018), p. 466-478 ISSN: 1854-6250 DB: WOS [WOS:000454420900008]

2018 [01] DUPLAK, J., HATALA, M., DUPLAKOVA, D. et al.: Comprehensive analysis and study of the machinability of a high strength aluminum alloy (EN AW-AlZn5.5MgCu) in the high-feed milling In: ADVANCES IN PRODUCTION ENGINEERING & MANAGEMENT vol.13, no.4 (2018) p.455-465 ISSN:1854-6250 eISSN:1855-6531 Doi:10.14743/apem2018.4.303 [WOS:000454420900007] [NEIMPORTOVANÉ V CREPČ]

2019 [1] ABD ELKODOUS, M. et al. Therapeutic and diagnostic potential of nanomaterials for enhanced biomedical applications In: Colloids and Surfaces B: Biointerfaces Vol. 180 (2019), p. 411-428 ISSN: 0927-7765 DB: Scopus [WOS:000474501900048]

2019 [1] MITAL, G. et al. Application of laser profilometry to evaluation of the surface of the workpiece machined by Abrasive Waterjet Technology In: Applied Sciences Vol. 9, no. 10 (2019), article no. 2134 ISSN: 2076-3417 DB: Scopus [WOS:000473748100169]

2019 [01] VALICEK, Jan, CZAN, Andrej, HARNICAROVA, Marta et al.: A new way of identifying, predicting and regulating residual stress after chip-forming machining In: INTERNATIONAL JOURNAL OF MECHANICAL SCIENCES vol.155, (2019) p.343-359 ISSN:0020-7403 eISSN:1879-2162 Doi:10.1016/j.ijmecsci.2019.03.007 [WOS:000468721800028] [NEIMPORTOVANÉ V CREPČ]

2019 [01] HARNICAROVA, M., VALICEK, J., KUSNEROVA, M. et al.: Study of the influence of the structural grain size on the mechanical properties of technical materials In: MATERIALWISSENSCHAFT UND WERKSTOFFTECHNIK vol.50, no.5 (2019) p.635-645 ISSN:0933-5137 eISSN:1521-4052 Doi:10.1002/mawe.201800177 [WOS:000471318000018] [NEIMPORTOVANÉ V CREPČ]

2020 [1] BOTKO, F. et al. Effect of friction coefficient change on internally shaped tubes drawing process using finite elements methodEinfluss der anderung des Reibungskoeffizienten auf den Ziehprozess von innen geformten Rohren nach der Finite-Elemente-Methode In: Materialwissenschaft und Werkstofftechnik Vol. 51, no. 7 (2020), p. 948-956 ISSN: 0933-5137 DB: WOS [WOS:000549934700011]

2020 [01] MITAL'OVA, Zuzana, MITAL, Dusan, BOTKO, Frantisek et al.: Identification of Topography of Surfaces Created by Turning Biomaterials with Optical Profilometry In: BIORESOURCES vol.15, no.2

(2020) p.2483-2494 ISSN:1930-2126 Doi:10.15376/biores.15.2.2483-2494
[WOS:000540457600028] [NEIMPORTOVANÉ V CREPČ]

2020 [01] VALICEK, Jan, HARNICAROVA, Marta, REHOR, Jan et al.: Prediction of Cutting Parameters of HVOF-Sprayed Stellite 6 In: APPLIED SCIENCES-BASEL vol.10, no.7 (2020) eISSN:2076-3417 Doi:10.3390/app10072524
[WOS:000533356200323] [NEIMPORTOVANÉ V CREPČ]

2020 [01] ZAJAC, Jozef, DUPLAK, Jan, DUPLAKOVA, Darina et al.: Prediction of Cutting Material Durability by $T = f(v_c)$ Dependence for Turning Processes In: PROCESSES vol.8, no.7 (2020) eISSN:2227-9717 Doi:10.3390/pr8070789
[WOS:000556487500001] [NEIMPORTOVANÉ V CREPČ]

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[WOS:000562287400011] [NEIMPORTOVANÉ V CREPČ]

2020 [01] KMEC, Jan, GOMBAR, Miroslav, HARNICAROVA, Marta et al.: The Predictive Model of Surface Texture Generated by Abrasive Water Jet for Austenitic Steels In: APPLIED SCIENCES-BASEL vol.10, no.9 (2020) eISSN:2076-3417 Doi:10.3390/app10093159
[WOS:000535541900172] [NEIMPORTOVANÉ V CREPČ]

2021 [01] ELBASUNEY, Sherif, YEHIA, M., EL-SAYYAD, Gharieb S.: Bio-inspired metastable intermolecular nanothermite composite based on Manganese dioxide/Polydopamine/Aluminium In: JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS vol.32, no.7 (2021) p.9158-9170 ISSN:0957-4522 eISSN:1573-482X Doi:10.1007/s10854-021-05582-6
[WOS:000625604500001] [NEIMPORTOVANÉ V CREPČ]

2021 [01] HARNICAROVA, Marta, VALICEK, Jan, KUSNEROVA, Milena et al.: A New Method of Predicting the Structural and Mechanical Change of Materials during Extrusion by the Method of Multiple Plastic Deformations In: MATERIALS vol.14, no.10 (2021) eISSN:1996-1944 Doi:10.3390/ma14102594
[WOS:000662657900001] [NEIMPORTOVANÉ V CREPČ]

2021 [01] SARJAS, Andrej, PONGRAC, Blaz, GLEICH, Dusan: Automated Inorganic Pigment Classification in Plastic Material Using Terahertz Spectroscopy In: SENSORS vol.21, no.14 (2021) eISSN:1424-8220 Doi:10.3390/s21144709
[WOS:000677097900001] [NEIMPORTOVANÉ V CREPČ]

2022 [01] HARNICAROVA, M., VALICEK, J., DUER, S. et al.: Express diagnostics of stress-strain states of materials Expressdiagnostik von Spannungs-Dehnungs-Zuständen von Werkstoffen In: MATERIALWISSENSCHAFT UND WERKSTOFFTECHNIK vol.53, no.4 (2022) p.394-401 ISSN:0933-5137 eISSN:1521-4052 Doi:10.1002/mawe.202100329
[WOS:000779056000006] [NEIMPORTOVANÉ V CREPČ]

2022 [01] WANG, Zhankui, WANG, Shiwei, DING, Yangyang et al.: Process Parameter Modeling and Optimization of Abrasive Water Jet Dressing Fixed-Abrasive Pad Based on Box-Behnken Design In: MATERIALS vol.15, no.15 (2022) eISSN:1996-1944 Doi:10.3390/ma1515251
[WOS:000839388800001] [NEIMPORTOVANÉ V CREPČ]

ADC002 [167753] **Study of Surface Roughness of Machined Polymer Composite Material** / Zuzana Hutyróvá ... [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.
[MITAŘOVÁ, Zuzana - ZAJAC, Jozef - MICHALIK, Peter - MITAŘ, Dušan - DUPLÁK, Ján - GAJDOS, Stanislav]

Kvartil: neuvedené | Impakt faktor: neuvedené
Databázy: WOS: nie CCC: nie SCOPUS: nie

Ohlasy:

2017 [1] KNAPCIKOVA, Lucia Rheological behavior modelling of composite materials used in engineering industry In: TEM Journal Vol. 6, no. 2 (2017), p. 242-245 ISSN: 2217-8309 DB: Scopus [WOS:000406223900007]

2018 [1] VIGNESHWARAN, S., UTHAYAKUMAR, M., ARUMUGAPRABU, V. Review on Machinability of Fiber Reinforced Polymers: A Drilling Approach In: Silicon Vol. 10, no. 5 (2018), p. 2295-2305 ISSN: 1876-990X DB: WOS [WOS:000442754000053]

2019 [1] GURAU, L., AYRILMIS, N. Effect of raw material composition of wood plastic composites on surface roughness parameters evaluated with a robust filtering method In: Journal of Thermoplastic Composite Materials Vol. 32, no. 4 (2019), p. 427-441 ISSN: 0892-7057 DB: Scopus [WOS:000464418600001]

2019 [1] MURCINKOVA, Zuzana et al. Damping properties of fibre composite and conventional materials measured by free damped vibration response In: Advances in Mechanical Engineering Vol. 11, no. 5 ISSN: 1687-8132 DB: WOS [WOS:000481669500001]

2019 [1] LEHOCKA, Dominika Comparison of ultrasonically enhanced pulsating water jet erosion efficiency on mechanical surface treatment on the surface of aluminum alloy and stainless steel In: International Journal of Advanced Manufacturing Technology Vol. 103, no. 5-8 (2019), p. 1647-1656 ISSN: 0268-3768 DB: WOS [WOS:000476625500001]

2020 [1] GOKULKUMAR, S. et al. Acoustical Analysis and Drilling Process Optimization of Camellia Sinensis / Ananas Comosus / GFRP / Epoxy Composites by TOPSIS for Indoor Applications In: Journal of Natural Fibers DOI: 10.1080/15440478.2020.1726240 (2020) ISSN: 1544-0478 DB: WOS

2020 [01] POKLEMBÁ, R., DUPLÁKOVÁ, D., ZAJAC, J. et al.: DESIGN AND INVESTIGATION OF MACHINE TOOL BED BASED ON POLYMER CONCRETE MIXTURE In: INTERNATIONAL JOURNAL OF SIMULATION MODELLING vol.19, no.2 (2020) p.291-302 ISSN:1726-4529 eISSN:1996-8566 Doi:10.2507/IJSIMM19-2-518
[WOS:000541597600010] [NEIMPORTOVANÉ V CREPČ]

2021 [01] GOKULKUMAR, S., THYLA, P. R., ARUNRAMNATH, R. et al.: Acoustical Analysis and Drilling Process Optimization of Camellia Sinensis / Ananas Comosus / GFRP / Epoxy Composites by TOPSIS

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ISSN:1544-0478 eISSN:1544-046X Doi:10.1080/15440478.2020.1726240
[WOS:000513625800001] [NEIMPORTOVANÉ V CREPČ]

2022 [01] GILL, Yasir Qayyum, ABID, Umer, IRFAN, Muhammad Shafiq et al.: Fabrication, Characterization, and Machining of Polypropylene/Wood Flour Composites In: ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING vol.47, no.5 (2022) p.5973-5983 ISSN:2193-567X eISSN:2191-4281 Doi:10.1007/s13369-021-05768-4
[WOS:000666937500009] [NEIMPORTOVANÉ V CREPČ]

2022 [01] ZHU, Zhaolong, BUCK, Dietrich, WANG, Jinxin et al.: Machinability of Different Wood-Plastic Composites during Peripheral Milling In: MATERIALS vol.15, no.4 (2022) eISSN:1996-1944 Doi:10.3390/ma15041303
[WOS:000765138400001] [NEIMPORTOVANÉ V CREPČ]

2022 [01] SHAGWIRA, Harrison, WAMBUA, Job, MWEMA, Fredrick M. et al.: Investigation into the effects of milling input parameters on the material removal rate and surface roughness of polypropylene+80 wt. % quarry dust composite during machining In: ADVANCES IN MATERIALS AND PROCESSING TECHNOLOGIES vol.8, (2022) p.2410-2424 ISSN:2374-068X eISSN:2374-0698 Doi:10.1080/2374068X.2022.2045821
[WOS:000763188000001] [NEIMPORTOVANÉ V CREPČ]

2022 [01] MITAL'OVA, Zuzana, BOTKO, Frantisek, LITECKA, Juliana et al.: Examination of Surface Quality after Drilling of Wood Plastic Composite In: TEM JOURNAL-TECHNOLOGY EDUCATION MANAGEMENT INFORMATICS vol.11, no.1 (2022) p.323-327 ISSN:2217-8309 eISSN:2217-8333 Doi:10.18421/TEM111-40
[WOS:000776574300039] [NEIMPORTOVANÉ V CREPČ]

2022 [01] MITAL'OVA, Zuzana, BOTKO, Frantisek, LITECKA, Juliana et al.: Evaluation of Selected Parameters after Abrasive Water Jet Cutting In: TEM JOURNAL-TECHNOLOGY EDUCATION MANAGEMENT INFORMATICS vol.11, no.4 (2022) p.1547-1552 ISSN:2217-8309 eISSN:2217-8333 Doi:10.18421/TEM114-15
[WOS:000893014800015] [NEIMPORTOVANÉ V CREPČ]

2022 [01] MURCINKOVA, Zuzana, POSTAWA, Przemyslaw, WINCZEK, Jerzy: Parameters Influence on the Dynamic Properties of Polymer-Matrix Composites Reinforced by Fibres, Particles, and Hybrids In: POLYMERS vol.14, no.15 (2022) eISSN:2073-4360 Doi:10.3390/polym14153060
[WOS:000839276000001] [NEIMPORTOVANÉ V CREPČ]

ADC003 [171601] **Turning of wood plastic composites by water jet and abrasive water jet** / Zuzana Huttyrová ... [et al.] - 2016.In: The International Journal of Advanced Manufacturing Technology. Vol. 84, no. 5-8 (2016), p. 1615–1623. - ISSN 0268-3768
[MITAL'OVÁ, Zuzana - ŠČUČKA, Jiří - HLOCH, Sergej - HLAVÁČEK, Petr - ZELENÁK, Michal]

Kvartil: neuvedené | Impakt faktor: neuvedené
Databázy: WOS: nie CCC: nie SCOPUS: nie

Ohlasy:

2016 [1] Kartal, F., Yerlikaya, Z. Investigation of surface roughness and MRR for engineering polymers with the abrasive water jet turning process In: International Polymer Processing Vol. 31, no.

3 (2016), p. 336-345 ISSN: 0930-777X DB: Scopus
[WOS:000378690500008]

2016 [1] RUGGIERO, Alessandro - VALASEK, Petr - MULLER, Miroslav Exploitation of waste date seeds *Phoenix dactylifera* in form of polymeric particle biocomposite: Investigation on adhesion, cohesion In: *COMPOSITES PART B-ENGINEERING* Vol. 104 (2016), p. 9-16 ISSN: 1359-8368 DB: WOS
[WOS:000383936400002]

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Kvartil: neuvedené | Impakt faktor: neuvedené
Databázy: WOS: nie CCC: nie SCOPUS: nie

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Kvartil: WOS:Q0,SCO:Q3 | Impakt faktor: neuvedené
Databázy: WOS: áno CCC: nie SCOPUS: áno

Ohlasý:

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ADM013 [300954] **Evaluation of Mechanical Properties of Damascus Steel** / Adrián Židzik ... [et al.] - 2021.In: TEM Journal : Technology, Education, Management, Informatics. - Novi Pazar (Srbsko) : Association for Information Communication Technology Education and Science Roč. 10, č. 4 (2021), s. 1616-1620 [print, online]. - ISSN 2217-8309 Spôsob prístupu: <https://doi.org/10.18421/TEM104-17>. [ŽIDZIK, Adrián - MITAĽOVÁ, Zuzana - BOTKO, František - SIMKULET, Vladimír - BOTKOVÁ, Dominika - MITAĽ, Dušan]

Kvartil: WOS:Q0,SCO:Q3 | Impakt faktor: neuvedené
Databázy: WOS: áno CCC: nie SCOPUS: áno

AEC - Vedecké práce v zahraničných recenzovaných vedeckých zborníkoch, monografiách(9)

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Kvartil: neuvedené | Impakt faktor: neuvedené
Databázy: WOS: nie CCC: nie SCOPUS: nie

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Databázy: WOS: nie CCC: nie SCOPUS: nie

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Kvartil: neuvedené | Impakt faktor: neuvedené
Databázy: WOS: nie CCC: nie SCOPUS: nie

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Svetlana - DUPLÁK, Ján - CZÁN, Andrej]

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Databázy: WOS: nie CCC: nie SCOPUS: nie

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Kvartil: neuvedené | Impakt faktor: neuvedené

Databázy: WOS: nie CCC: nie SCOPUS: nie

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Kvartil: neuvedené | Impakt faktor: neuvedené

Databázy: WOS: nie CCC: nie SCOPUS: nie

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[HARNIČÁROVÁ, Marta - MITAĽOVÁ, Zuzana - KUŠNEROVÁ, Milena - VALÍČEK, Jan - MITAĽ, Dušan - KOPAL, Ivan - VÁCLAVÍK, Vojtěch]

Kvartil: neuvedené | Impakt faktor: neuvedené

Databázy: WOS: nie CCC: nie SCOPUS: nie

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AED001 [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

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[SIMKULET, Vladimír - MAŠČENIK, Jozef - MITAĽOVÁ, Zuzana - MICHALIK, Peter]

Kvartil: neuvedené | Impakt faktor: neuvedené

Databázy: WOS: nie CCC: nie SCOPUS: nie

AED002 [127544] **Princíp merania pomocou súradnicových meracích strojov** / Veronika Fečová ... [et al.] - 2012.In: Metódy a prostriedky obrábania materiálov : práce Centra progresívnych metód obrábania v r. 2012. - Prešov : FVT TU, 2012 S. 34-38. - ISBN 978-80-553-1182-1

[FEČOVÁ, Veronika - NOVÁKOVÁ-MARCINČÍNOVÁ, Ľudmila - MITAĽOVÁ, Zuzana - BARNA, Jozef - JANÁK, Miroslav]

Kvartil: neuvedené | Impakt faktor: neuvedené

Databázy: WOS: nie CCC: nie SCOPUS: nie

AED003 [127798] **Príspevok k riešeniu problematiky trieskového obrábania polymérnych kompozitných materiálov s prírodnou výstužou** / Zuzana Huttyrová ... [et al.] - 2012.In: Metódy a prostriedky obrábania materiálov : práce Centra progresívnych metód obrábania v r. 2012. - Prešov : FVT TU, 2012 S. 46-52. - ISBN 978-80-553-1182-1

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Kvartil: neuvedené | Impakt faktor: neuvedené

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AEM001 [167743] **The effect of cutting temperature on carbide drilling life in the process of CFRP/steel stacks drilling** / Vitaliy Kolesnyk ... [et al.] - 2015.In: Manufacturing Technology. Vol. 15, no. 3 (2015), p. 1. - ISSN 1213-2489 Spôsob prístupu:

<http://www.scopus.com/record/display.uri?eid=2-s2.0-84949197989&origin=resultslist&sort=plf-f&src=s&sid=AE6D094EE15C37106CA3775541E3EA78.FZq2ODcJC9ArCe8WOZPvA%3a80&sot=autdoc&s&sdt=autdocs&sl=18&s=AU-ID%2855655110100%29&relpos=4&citeCnt=0&searchTerm=>

[KOLESNYK, Vitaliy - D, Kryvoruchko - HATALA, Michal - MITAĽ, Dušan - DUPLÁK, Ján - MITAĽOVÁ, Zuzana - ALOWA, Mohamed]

Kvartil: neuvedené | Impakt faktor: neuvedené

Databázy: WOS: nie CCC: nie SCOPUS: nie

Ohlasy:

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[TARASOVIČOVÁ, Adriána - BELÁN, Miroslav - KASINA, Marek - MICHALIK, Peter - MITAĽOVÁ, Zuzana]

Kvartil: neuvedené | Impakt faktor: neuvedené

Databázy: WOS: nie CCC: nie SCOPUS: nie

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Kvartil: neuvedené | Impakt faktor: neuvedené

Databázy: WOS: nie CCC: nie SCOPUS: nie

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Kvartil: neuvedené | Impakt faktor: neuvedené

Databázy: WOS: nie CCC: nie SCOPUS: nie

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Kvartil: neuvedené | Impakt faktor: neuvedené

Databázy: WOS: nie CCC: nie SCOPUS: nie

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[MONKOVÁ, Katarína - FEČOVÁ, Veronika - MITAĽOVÁ, Zuzana]

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Kvartil: neuvedené | Impakt faktor: neuvedené
Databázy: WOS: nie CCC: nie SCOPUS: nie

AFC007 [143571] **Experimental Study of Surface Roughness of Wood Plastic Composite after Turning** / Zuzana Hutyrová ... [et al.] - 2014. In: Advanced Materials Research : ICMSET 2013 : 2nd International Conference on Material Science and Engineering Technology : London, 16-17 November 2013. Vol. 856 (2014), p. 108-112. - ISSN 1022-6680 Spôsob prístupu:
<http://www.scopus.com/record/display.url?eid=2-s2.0-84891638487&origin=resultslist&sort=plf-f&src=s&st1=hutyrova&sid=A65B1241579C75C0762635F6F360959A.euC1qMODexYIPkQec4u1Q%3a20&sot=b&sdt=b&sl=21&s=AUTHOR-NAME%28hutyrova%29&relpos=0&relpos=0&citeCnt=0&searchTerm=AUTHOR-NAME%28hutyrova%29>
[MITAĽOVÁ, Zuzana - HARNIČAROVÁ, Marta - ZAJAC, Jozef - VALÍČEK, Jan - MIHOK, Jozef]

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Databázy: WOS: nie CCC: nie SCOPUS: nie

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[WOS:000614931700006] [NEIMPORTOVANÉ V CREPČ]

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AFD015 [214937] **Prehľad možností obrábania abrazívnym vodným prúdom na báze ľadu** / Dominika Lehocká ... [et al.] - 2020.In: Automatizácia a riadenie v teórii a praxi 2020 : 14. ročník konferencie odborníkov z univerzít, vysokých škôl a praxe. - Košice (Slovensko) : Technická univerzita v Košiciach s. 1-10 . - ISBN 978-80-553-3487-5
[BOTKOVÁ, Dominika - BOTKO, František - HATALA, Michal - MITAĽOVÁ, Zuzana - MITAĽ, Dušan - SITEK, Libor]

Kvartil: neuvedené | Impakt faktor: neuvedené
Databázy: WOS: nie CCC: nie SCOPUS: nie

AFG - Abstrakty príspevkov zo zahraničných konferencií(1)

AFG001 [211400] **Analysis of ultrasonically enhanced water jet maximum erosion effect on copper** / D. Lehocká ... [et al.] - 2019.In: Vodní paprsek 2019 – výzkum, vývoj, aplikace = Water Jet 2019 - Research, Development, Applications : sborník abstraktů konference o technologii vodního paprsku : book of abstracts of the conference on water jetting technology : Čeladná, 20.-22.11.2019. - Ostrava (Česko) : Ústav geoniky AV ČR s. 77-80 . - ISBN 978-80-86407-80-7
[BOTKOVÁ, Dominika - KLICH, Jiří - BOTKO, František - SIMKULET, Vladimír - KOVAĽ, K. - KEPIČ, Ján - HATALA, Michal - MITAĽOVÁ, Zuzana]

Kvartil: neuvedené | Impakt faktor: neuvedené
Databázy: WOS: nie CCC: nie SCOPUS: nie

AFH - Abstrakty príspevkov z domácich konferencií(3)

AFH001 [109743] **Applications of wood plastic composite (WPC)** / Zuzana Šomšáková ... [et al.] - 2011.In: ERIN 2011 : Education - Research - Innovation : Proceedings of Abstracts of 5th Annual International Travelling Conference for Young Researches and PhD Students : 13th - 16th April 2011, Tatranská Kotlina - Vysoké Tatry, Slovakia. - Prešov : Harmony Apeiron, 2011 S. 68. - ISBN 978-80-89347-04-9
[MITAĽOVÁ, Zuzana - MICHALIK, Peter - KASINA, Marek - FEČOVÁ, Veronika]

Kvartil: neuvedené | Impakt faktor: neuvedené
Databázy: WOS: nie CCC: nie SCOPUS: nie

AFH002 [144321] **Evaluation of microstructural characteristics of high speed bearing failure** / Vladimír Simkulet .. [et al.] - 2013.In: Metallography 2013 : Abstract Booklet : 15th International Symposium on Metallography : 24th - 26th April 2013, Stará Lesná. - Košice : TU, 2013 S. 106. - ISBN 978-80-553-1412-9
[SIMKULET, Vladimír - KOČIŠKO, Marek - MITAĽOVÁ, Zuzana - FEČOVÁ, Veronika]

Kvartil: neuvedené | Impakt faktor: neuvedené

Databázy: WOS: nie CCC: nie SCOPUS: nie

AFH003 [186835] **Evaluation of fracture surface samples by impact energy test prepared after DMLS additive manufacturing technology** / Vladimír Simkulet ... [et al.] - 2017.In: DF PM 2017. - Košice : SAS, 2017 S. 82-83. - ISBN 978-80-89782-07-9
[SIMKULET, Vladimír - MITAĽOVÁ, Zuzana - BOTKOVÁ, Dominika - KOČIŠKO, Marek - MANDUĽÁK, Dušan]

Kvartil: neuvedené | Impakt faktor: neuvedené
Databázy: WOS: nie CCC: nie SCOPUS: nie

AGJ - Autorské osvedčenia, patenty, objavy(3)

AGJ001 [189013] **Flexibilná konštrukcia ramena osi robota** úžitkový vzor SK 7976 Y1/ Peter Michalik ... [et al.] - Banská Bystrica : ÚPV SR - 2018. - 3 s..
[MICHALIK, Peter - ZAJAC, Jozef - MITAĽOVÁ, Zuzana - FECKO, Tibor]

Kvartil: neuvedené | Impakt faktor: neuvedené
Databázy: WOS: nie CCC: nie SCOPUS: nie

AGJ002 [191046] **Chápadlo s vymeniteľnými čeľustami a s ramenami ovládanými kľukovým mechanizmom poháňaným elektrickým servopohonom** úžitkový vzor SK 8025 Y1/ Peter Michalik ... [et al.] - Banská Bystrica : ÚPV SR - 2018. - 4 s..
[MICHALIK, Peter - HATALA, Michal - MITAĽOVÁ, Zuzana - AMBROZY, Martin]

Kvartil: neuvedené | Impakt faktor: neuvedené
Databázy: WOS: nie CCC: nie SCOPUS: nie

AGJ003 [227926] **Chápadlo s vymeniteľnými čeľustami a s ramenami ovládanými kľukovým mechanizmom poháňaným elektrickým servopohonom** Patent č. 288849/ Peter Michalik ... [et al.] - Banská Bystrica : ÚPV SR - 2020. - 4 s.. Spôsob prístupu:
<https://wbr.indprop.gov.sk/WebRegistre/Patent/Detail/50060-2018>.
[MICHALIK, Peter - HATALA, Michal - MITAĽOVÁ, Zuzana - AMBROZY, Martin]

Kvartil: neuvedené | Impakt faktor: neuvedené
Databázy: WOS: nie CCC: nie SCOPUS: nie

BCI - Skriptá a učebné texty(4)

BCI001 [98644] **Experimentálne metódy vo výrobných technológiách : príklady na cvičenia** / Anton Panda ... [et al.] - 1. vyd - Prešov : FVT TU - 2010. - 190 s. - ISBN 978-80-553-0446-5.
[PANDA, Anton - BELÁN, Miroslav - MITAĽOVÁ, Zuzana - TARASOVIČOVÁ, Adriána]

Kvartil: neuvedené | Impakt faktor: neuvedené
Databázy: WOS: nie CCC: nie SCOPUS: nie

BCI002 [152497] **Technológia zmeny tvaru** / Zuzana Huttyrová, Juliána Litecká, Marta Harničárová - [1. vyd.] - Prešov : FVT TU - 2014. - 102 s.. - ISBN 978-80-553-1802-8.
[MITAĽOVÁ, Zuzana - LITECKÁ, Juliána - HARNIČÁROVÁ, Marta]

Kvartil: neuvedené | Impakt faktor: neuvedené

Databázy: WOS: nie CCC: nie SCOPUS: nie

BCI003 [198363] **Technické materiály 1** Návod na cvičenia/ Zuzana Mitaľová, Vladimír Simkulet - 1. vyd. - Prešov : Technická univerzita v Košiciach - 2018. - 103 s. [print]. - ISBN 978-80-553-2768-6.
[MITAĽOVÁ, Zuzana - SIMKULET, Vladimír]

Kvartil: neuvedené | Impakt faktor: neuvedené

Databázy: WOS: nie CCC: nie SCOPUS: nie

BCI004 [222394] **Technické materiály II** Hodnotenie mechanických vlastností kovových materiálov, ich tepelné spracovanie a aplikácia na nástroje/ Zuzana Mitaľová ... [et al.] - 1. vyd. - Košice : Technická univerzita v Košiciach - 2020. - 87 s. [CD-ROM]. - ISBN 978-80-553-3573-5.
[MITAĽOVÁ, Zuzana - SIMKULET, Vladimír - LITECKÁ, Juliána - MITAĽ, Dušan]

Kvartil: neuvedené | Impakt faktor: neuvedené

Databázy: WOS: nie CCC: nie SCOPUS: nie

BEE - Odborné práce v zahraničných nerecenzovaných zborníkoch (konferenčných aj nekonferenčných)(1)

BEE001 [87167] **Efficiently manufacturing of holes features for agricultural machines** / Veronika Fečová, Adriána Tarasovičová, Zuzana Šomšáková - 2009.In: Wydział inżynierii produkcji. - Warszawa : Szkoła Główna Gospodarstwa Wiejskiego, 2009 P. 81-87. - ISBN 9788375831009
[FEČOVÁ, Veronika - TARASOVIČOVÁ, Adriána - MITAĽOVÁ, Zuzana]

Kvartil: neuvedené | Impakt faktor: neuvedené

Databázy: WOS: nie CCC: nie SCOPUS: nie

Ohlasy:

2013 [1] MICHALIK, P., ZAJAC, J., HATALA, M. Programming CNC machines using computer-aided manufacturing software In: Advanced Science Letters Vol. 19, no. 2(2013), p. 369-373 ISSN: 1936-6612 DB: Scopus

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BEF001 [132539] **The Possibility of Controlling of Designed Workplace Using Virtual Reality** / Veronika Fečová, Zuzana Huttyrová, Vladimír Simkulet - 2013.In: Konferencia IMAP 2013 : 4.4.2013, Prešov. - Prešov : FVT TU, 2013 S. 6-10. - ISBN 978-80-553-1401-3
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Kvartil: neuvedené | Impakt faktor: neuvedené

Databázy: WOS: nie CCC: nie SCOPUS: nie

Ohlasy:

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BEF002 [132677] **Hodnotenie kvality obrobenej plochy po sústružení polymérnych kompozitných materiálov (prvotná štúdia)** / Zuzana Hutytová ... [et al.] - 2013.In: Konferencia IMAP 2013 : 4.4.2013, Prešov. - Prešov : FVT TU, 2013 S. 11-14. - ISBN 978-80-553-1401-3
[MITAĽOVÁ, Zuzana - FEČOVÁ, Veronika - ČUMA, Matúš - SIMKULET, Vladimír]

Kvartil: neuvedené | Impakt faktor: neuvedené
Databázy: WOS: nie CCC: nie SCOPUS: nie

P1 - Výstup publikačnej činnosti ako celok - Pedagogický(1)

P1001 [302504] **Drevom plnené plasty** Študijské podklady: Nové materiály/ Zuzana Mitaľová - 1. vyd. - Prešov : Technická univerzita v Košiciach - 2022. - 63 s. [DVD]. - ISBN 978-80-553-4045-6.
[MITAĽOVÁ, Zuzana]

Kvartil: neuvedené | Impakt faktor: neuvedené
Databázy: WOS: nie CCC: nie SCOPUS: nie

V2 - Výstup publikačnej činnosti ako časť editovanej knihy alebo zborník - Vedecký(1)

V2001 [302001] **Effect of the ultrasonically enhanced water jet on copper surface topography at a low traverse speed** / Dominika Botková ... [et al.] - 2021.In: Advances in Water Jetting : Selected Papers from the International Conference on Water Jet 2019 : Research, Development, Applications. - Cham (Švajčiarsko) : Springer Nature s. 126-134 [online, print]. - ISBN 978-3-030-53490-5 Spôsob prístupu: http://dx.doi.org/10.1007/978-3-030-53491-2_14.
[BOTKOVÁ, Dominika - KLICH, Jiří - SIMKULET, Vladimír - BOTKO, František - KOVAĽ, Karol - KEPIČ, Ján - MITAĽOVÁ, Zuzana - HATALA, Michal]

Kvartil: neuvedené | Impakt faktor: neuvedené
Databázy: WOS: nie CCC: nie SCOPUS: áno

V3 - Výstup publikačnej činnosti z časopisu - Vedecký(7)

V3001 [302503] **Examination of surface quality after drilling of wood plastic composite** / Zuzana Mitaľová ... [et al.] - 2022.In: TEM Journal : Technology, Education, Management, Informatics. - Novi Pazar (Srbsko) : Association for Information Communication Technology Education and Science Roč. 11, č. 1 (2022), s. 323-327 [print, online]. - ISSN 2217-8309 Spôsob prístupu: <http://dx.doi.org/10.18421/tem111-40>.
[MITAĽOVÁ, Zuzana - BOTKO, František - LITECKÁ, Juliána - MITAĽ, Dušan]

Kvartil: WOS:Q0,SCO:Q3 | Impakt faktor: neuvedené
Databázy: WOS: áno CCC: nie SCOPUS: áno

Ohlasy:

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Kvartil: WOS:Q4,SCO:Q3 | Impakt faktor: neuvedené
Databázy: WOS: áno CCC: nie SCOPUS: áno

V3003 [303904] **Pattern steel: production technology and fracture surface evaluation** / Adrián Židzik ... [et al.] - 2022.In: Machines, Technologies, Materials. - Sofia (Bulharsko) : Scientific Technical Union of Mechanical Engineering Roč. 16, č. 5 (2022), s. 183-186 [print]. - ISSN 1313-0226 Spôsob prístupu: <https://stumejournals.com/journals/mtm/2022/5/183>. [ŽIDZIK, Adrián - MITAĽOVÁ, Zuzana - BOTKO, František - SIMKULET, Vladimír - LITECKÁ, Juliána - VANDŽURA, Radoslav]

Kvartil: neuvedené | Impakt faktor: neuvedené
Databázy: WOS: nie CCC: nie SCOPUS: nie

V3004 [303905] **Machining of wood plastic composite using awj technology with controlled output quality** / Zuzana Mitaľová ... [et al.] - 2022.In: Machines. - Basel (Švajčiarsko) : Multidisciplinary Digital Publishing Institute Roč. 10, č. 7 (2022), s. [1-12] [online]. - ISSN 2075-1702 (online) Spôsob prístupu: <http://dx.doi.org/10.3390/machines10070566>. [MITAĽOVÁ, Zuzana - BOTKO, František - VANDŽURA, Radoslav - LITECKÁ, Juliána - MITAĽ, Dušan - SIMKULET, Vladimír]

Kvartil: WOS:Q2,SCO:Q2 | Impakt faktor: 2.899
Databázy: WOS: áno CCC: áno SCOPUS: áno

Ohlasy:

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V3005 [304956] **Study of age hardened MS1 material after the abrasive water jet application** / Radoslav Vandžura ... [et al.] - 2022.In: Machines, Technologies, Materials. - Sofia (Bulharsko) : Scientific Technical Union of Mechanical Engineering Roč. 16, č. 6 (2022), s. 217-220 [print]. - ISSN

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[VANDŽURA, Radoslav - SIMKULET, Vladimír - MITAĽOVÁ, Zuzana - GEĽATKO, Matúš]

Kvartil: neuvedené | Impakt faktor: neuvedené
Databázy: WOS: nie CCC: nie SCOPUS: nie

V3006 [305647] **Evaluation of selected parameters after abrasive water jet cutting of wood plastic composite** / Zuzana Mitaľová ... [et al.] - 2022. In: TEM Journal : Technology, Education, Management, Informatics. - Novi Pazar (Srbsko) : Association for Information Communication Technology Education and Science Roč. 11, č. 4 (2022), s. 1547-1552 [print, online]. - ISSN 2217-8309
Spôsob prístupu: <http://dx.doi.org/10.18421/tem114-15>.
[MITAĽOVÁ, Zuzana - BOTKO, František - LITECKÁ, Juliána - MITAĽ, Dušan]

Kvartil: SCO:Q3 | Impakt faktor: neuvedené
Databázy: WOS: nie CCC: nie SCOPUS: áno

V3007 [305791] **Application of recycled plastics in automotive industry: a short review** / Zuzana Mitaľová, Darina Dupláková, Dušan Mitaľ - 2022. In: SAR Journal - Science and Research. - Novi Pazar (Srbsko) : Association for Information Communication Technology Education and Science Roč. 5, č. 4 (2022), s. 200-205 [print, online]. - ISSN 2619-9955 Spôsob prístupu:
<http://dx.doi.org/10.18421/sar54-05>.
[MITAĽOVÁ, Zuzana - DUPLÁKOVÁ, Darina - MITAĽ, Dušan]

Kvartil: neuvedené | Impakt faktor: neuvedené
Databázy: WOS: nie CCC: nie SCOPUS: nie