

Frantisek Botko

List of Publications by Year in descending order

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33
papers

203
citations

1307594

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1125743

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39
docs citations

39
times ranked

159
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of the influence of acoustically enhanced pulsating water jet on selected surface integrity characteristics of CW004A copper and CW614N brass. Measurement: Journal of the International Measurement Confederation, 2017, 110, 230-238.	5.0	34
2	Pulsating water jet erosion effect on a brass flat solid surface. International Journal of Advanced Manufacturing Technology, 2018, 97, 1099-1112.	3.0	22
3	Comparison of ultrasonically enhanced pulsating water jet erosion efficiency on mechanical surface treatment on the surface of aluminum alloy and stainless steel. International Journal of Advanced Manufacturing Technology, 2019, 103, 1647-1656.	3.0	19
4	Ergonomic rationalization of lighting in the working environment. Part I.: Proposal of rationalization algorithm for lighting redesign. International Journal of Industrial Ergonomics, 2019, 71, 92-102.	2.6	18
5	Surface Integrity Evaluation of Brass CW614N after Impact of Acoustically Excited Pulsating Water Jet. Procedia Engineering, 2016, 149, 236-244.	1.2	13
6	Hydro-abrasive Disintegration of Alloy Monel K-500 – the Influence of Technological and Abrasive Factors on the Surface Quality. Procedia Engineering, 2016, 149, 17-23.	1.2	11
7	Technological Assurance of High-Efficiency Machining of Internal Rope Threads on Computer Numerical Control Milling Machines. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2018, 140, .	2.2	7
8	Prediction model of surface roughness parameters of structural steel created by plasma arc cutting via full factor experiment. Materialwissenschaft Und Werkstofftechnik, 2019, 50, 1207-1220.	0.9	7
9	Development of Flexible Fixtures with Incomplete Locating: Connecting Rods Machining Case Study. Machines, 2022, 10, 493.	2.2	7
10	Using Edgcam for creating CNC programs in education process. , 2015, , .		6
11	Effect of pulsating water jet disintegration on hardness and elasticity modulus of austenitic stainless steel AISI 304L. International Journal of Advanced Manufacturing Technology, 2020, 107, 2719-2730.	3.0	6
12	Influence of Residual Stress Induced in Steel Material on Eddy Currents Response Parameters. Lecture Notes in Mechanical Engineering, 2019, , 551-560.	0.4	5
13	Study of Surface Topography of CW004A Copper after PWJ Disintegration. , 2018, , .		5
14	Locating Chart Choice Based on the Decision-Making Approach. Materials, 2022, 15, 3557.	2.9	5
15	PROPOSAL OF MEASURING FIXTURE FOR SERIAL PRODUCTION. MM Science Journal, 2016, 2016, 1082-1085.	0.4	4
16	Analysis of Cutting Tools Durability Importance in Turning Process of Steel C60. Key Engineering Materials, 0, 669, 319-326.	0.4	3
17	Evaluation of strain in cold drawing of tubes with internally shaped surface. Materials Today: Proceedings, 2020, 22, 287-292.	1.8	3
18	Impact of Nitrocarburizing on Hardening of Reciprocating Compressor – Valves. Coatings, 2022, 12, 574.	2.6	3

#	ARTICLE	IF	CITATIONS
19	Friction Properties of the Heat-Treated Electroless Ni Coatings Embedded with c-BN Nanoparticles. Coatings, 2022, 12, 1008.	2.6	3
20	Machining of Wood Plastic Composite Using AWJ Technology with Controlled Output Quality. Machines, 2022, 10, 566.	2.2	3
21	Preliminary Study of Residual Stress Measurement Using Eddy Currents Phasor Angle. Lecture Notes in Mechanical Engineering, 2019, , 386-397.	0.4	2
22	Study of Welding Parameters Effect on the Weld Quality for Structural Steel S235 J0. Key Engineering Materials, 0, 669, 79-86.	0.4	1
23	Effect of friction coefficient change on internally shaped tubes drawing process using finite elements method. Materialwissenschaft Und Werkstofftechnik, 2020, 51, 948-956.	0.9	1
24	Simulation of rifled tubes drawing process. IOP Conference Series: Materials Science and Engineering, 2020, 776, 012051.	0.6	1
25	Identification of topography of surfaces created by turning biomaterials with optical profilometry. BioResources, 2020, 15, 2483-2494.	1.0	1
26	Comparison of the Weld Quality Created by Metal Active Gas and Shielded Metal Arc Welding. Lecture Notes in Mechanical Engineering, 2019, , 242-256.	0.4	0
27	Preliminary Testing of Production Thin-Walled Ribs into Aluminum Alloy AW6060 Using the Abrasive Water Jet. Lecture Notes in Mechanical Engineering, 2021, , 75-86.	0.4	0
28	Evaluation of selected surface integrity parameters after machining of composite materials with natural reinforcement. , 2017, , .		0
29	Effect of glass and carbon fibres on the compressive and flexural strength of the polymer concrete composite. Advances in Production Engineering and Management, 2020, 15, 441-452.	1.2	0
30	INFLUENCE OF RECYCLED PA6 AND PBT PLASTIC MATERIAL ON THE BONDING STRENGTH. MM Science Journal, 2019, 2019, 2005-3010.	0.4	0
31	Chemical Management in Automotive and Mass Industry. EAI/Springer Innovations in Communication and Computing, 2020, , 161-174.	1.1	0
32	Effect of the Ultrasonically Enhanced Water Jet on Copper Surface Topography at a Low Traverse Speed. Lecture Notes in Mechanical Engineering, 2021, , 126-134.	0.4	0
33	Evaluation of Stainless Steel AISI 316Ti Corner Joints Quality Produced by Tungsten Inert Gas Welding. TEM Journal, 2020, , 1475-1479.	0.7	0