Irina BeÈliu

List of Publications by Year
in descending order

35	94	1937685 4	1588992 8
papers	citations	h-index	g-index

37	37	37	73
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Wire Electrical Discharge Machiningâ€"A Review. Machines, 2020, 8, 69.	2.2	26
2	Study on the dry electrical discharge machining. International Journal of Material Forming, 2010, 3, 1107-1110.	2.0	15
3	An Experimental Study on Incremental Forming Process of Polycarbonate Sheets. Macromolecular Symposia, 2021, 395, .	0.7	6
4	Machinability of a Stainless Steel by Electrochemical Discharge Microdrilling. , 2011, , .		5
5	Selection of a Solution When Using Axiomatic Design. MATEC Web of Conferences, 2017, 127, 01019.	0.2	5
6	Requirements in designing a device for experimental investigation of threading accuracy. MATEC Web of Conferences, 2017, 112, 01005.	0.2	5
7	Analysis of chip formation and cutting forces in end milling AISI D2 tool steel with different cutting tool geometries. MATEC Web of Conferences, 2018, 178, 01016.	0.2	3
8	Wear of the tool electrode at simultaneous electrical discharge machining of different materials. Procedia CIRP, 2020, 95, 419-424.	1.9	3
9	Electrode Tool Wear at Electrical Discharge Machining. Key Engineering Materials, 2012, 504-506, 1189-1194.	0.4	2
10	Diminishing Shape Errors at Electrical Discharge Machining of External Cylindrical Surfaces. Applied Mechanics and Materials, 0, 371, 305-309.	0.2	2
11	Machining of External Cylindrical Surfaces on a RAM Electrical Discharge Machine. Key Engineering Materials, 0, 554-557, 1800-1805.	0.4	2
12	Kerf generation during the plasma cutting process. AIP Conference Proceedings, 2016, , .	0.4	2
13	Simplified Version of Polymer Rotational Molding Manufacturing Method. Key Engineering Materials, 0, 699, 97-103.	0.4	2
14	Surface roughness at vibroburnishing. AIP Conference Proceedings, 2017, , .	0.4	2
15	Evaluation of the surface profile obtained by abrasive jet machining. IOP Conference Series: Materials Science and Engineering, 2018, 444, 032005.	0.6	2
16	Application of Reverse Engineering for Automotive Plastic Components â€" Case Study. Macromolecular Symposia, 2021, 395, 2000265.	0.7	2
17	Thermal Phenomena at the Laser Beam Machining. International Journal of Material Forming, 2010, 3, 1103-1106.	2.0	1
18	Experimental Investigation on Dry Electrical Discharge Drilling. Key Engineering Materials, 0, 554-557, 1845-1850.	0.4	1

#	Article	IF	Citations
19	Small Diameter External Cylindrical Surfaces Obtained by Ram Electrical Discharge Machining. Key Engineering Materials, 2014, 611-612, 650-655.	0.4	1
20	Use of Taguchi Method and Grey Relational Analysis for Optimizing a Ram Electrical Discharge Machining Process. Applied Mechanics and Materials, 0, 760, 533-538.	0.2	1
21	Analysis of EDM drilling of porous SiC/Al-Mg composite. AIP Conference Proceedings, 2019, , .	0.4	1
22	Design of a device for testing and analyzing the friction coefficient during metal cutting. IOP Conference Series: Materials Science and Engineering, 2019, 568, 012100.	0.6	1
23	Generation and compression testing of spherical wood bodies. Wood Material Science and Engineering, 2022, 17, 752-758.	2.3	1
24	Manufacture of threads with variable pitch by using noncircular gears. IOP Conference Series: Materials Science and Engineering, 2016, 147, 012009.	0.6	1
25	Fine Details Obtained by 3D Printing and Using Polymers. Materiale Plastice, 2018, 55, 474-477.	0.8	1
26	Superficial Abrasive Jet Machining. , 2011, , .		0
27	Effects of the Laser Beam Interaction with the Workpiece Material. Key Engineering Materials, 2012, 504-506, 1207-1212.	0.4	0
28	Obtaining Slots and Channels by using a 1070 nm Wavelength Laser. Procedia CIRP, 2013, 6, 479-485.	1.9	0
29	Nonconventional Machining Based on Electrical Charged Particles Motion in Liquid. Applied Mechanics and Materials, 2014, 657, 316-320.	0.2	0
30	Surface Generation by Material Removal in Manufacturing Processes from Machine Building. Applied Mechanics and Materials, 0, 659, 112-117.	0.2	0
31	Machinability Aspects Investigations in Hard Milling of AISI W1 Hardened Tool Steel. Applied Mechanics and Materials, 0, 657, 83-87.	0.2	0
32	Obtaining Holes in Plexiglas Using Low Power CO₂ Laser Beam. Applied Mechanics and Materials, 0, 760, 563-568.	0.2	0
33	Investigation of Surface Accuracy Obtained by RAM Electro Discharge Machining of Small Cylindrical Surfaces. Applied Mechanics and Materials, 2015, 809-810, 381-386.	0.2	0
34	Tool electrode wear in electrical discharge of small diameter holes. MATEC Web of Conferences, 2017, 94, 03013.	0.2	0
35	Theoretical considerations concerning the profile error of the thread flank. MATEC Web of Conferences, 2018, 178, 01006.	0.2	0