

Marek Macko

List of Publications by Year in descending order

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37
papers

389
citations

840776

11
h-index

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all docs

39
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39
times ranked

176
citing authors

#	ARTICLE	IF	CITATIONS
1	Reverse Engineering as a Way to Save Environment with-in Patient-Tailored Production of Assistive Technology Devices “ Based on Own Hand Exoskeleton Case Study. Lecture Notes in Mechanical Engineering, 2022, , 82-91.	0.4	1
2	Mechanical Properties of Polylactide Matrix Composite Reinforced with Long Maize Stalk Fibers. Advances in Science and Technology Research Journal, 2022, 16, 104-112.	0.8	1
3	Riboflavin as a Biodegradable Functional Additive for Thermoplastic Polymers. Environments - MDPI, 2022, 9, 56.	3.3	4
4	Simulation Tests of Working Press Loads under Pre-tensioned Body Conditions. MATEC Web of Conferences, 2022, 357, 02017.	0.2	0
5	The Use of Simulation Software using the Discrete Element Method (DEM) for the Process of Materials Comminution. MATEC Web of Conferences, 2022, 357, 07005.	0.2	2
6	Intelligent System Supporting Technological Process Planning for Machining. MATEC Web of Conferences, 2022, 357, 04001.	0.2	1
7	Computer-aided Eco-design Grinding Machines using Software SolidWorks Sustainability. MATEC Web of Conferences, 2022, 357, 02022.	0.2	1
8	Recent Advances in Bipedal Walking Robots: Review of Gait, Drive, Sensors and Control Systems. Sensors, 2022, 22, 4440.	3.8	30
9	The Development of Efficient Contaminated Polymer Materials Shredding in Recycling Processes. Polymers, 2021, 13, 713.	4.5	22
10	Optimization of Extrusion-Based 3D Printing Process Using Neural Networks for Sustainable Development. Materials, 2021, 14, 2737.	2.9	20
11	Impact of the Graphite Fillers on the Thermal Processing of Graphite/Poly(lactic acid) Composites. Materials, 2021, 14, 5346.	2.9	8
12	Surface modification of maize stem with polydopamine and tannic acid coatings. Surfaces and Interfaces, 2021, 26, 101319.	3.0	9
13	Influence of the Size of the Fiber Filler of Corn Stalks in the Polylactide Matrix Composite on the Mechanical and Thermomechanical Properties. Materials, 2021, 14, 7281.	2.9	5
14	AI-Optimized Technological Aspects of the Material Used in 3D Printing Processes for Selected Medical Applications. Materials, 2020, 13, 5437.	2.9	50
15	3D Printed Hand Exoskeleton - Own Concept. Lecture Notes in Mechanical Engineering, 2019, , 298-306.	0.4	9
16	Bydgostian hand exoskeleton “ own concept and the biomedical factors. Bio-Algorithms and Med-Systems, 2019, 15, .	2.4	9
17	Simulations CAE of wood pellet machine. MATEC Web of Conferences, 2019, 254, 02028.	0.2	15
18	Work parameters research of wood pellet machine. AIP Conference Proceedings, 2019, , .	0.4	7

#	ARTICLE	IF	CITATIONS
19	Design and manufacture of artificial organs made of polymers. MATEC Web of Conferences, 2019, 254, 06006.	0.2	5
20	Reverse Engineering in Rehabilitation. Advances in Environmental Engineering and Green Technologies Book Series, 2019, , 38-47.	0.4	0
21	Hand exoskeleton from Bydgoszcz " mechanical issues. , 2019, , 271-274.	0.1	0
22	Utility of an unitary-shredding method to evaluate the conditions and selection of constructional features during grinding. MATEC Web of Conferences, 2018, 157, 05016.	0.2	14
23	The use of CAD applications in the design of shredders for polymers. MATEC Web of Conferences, 2018, 157, 02027.	0.2	16
24	Reverse Engineering in Rehabilitation. , 2018, , 521-528.		1
25	Repository of 3D images for education and everyday clinical practice purposes. Bio-Algorithms and Med-Systems, 2017, 13, 111-116.	2.4	8
26	The Method of Artificial Organs Fabrication Based on Reverse Engineering in Medicine. Lecture Notes in Mechanical Engineering, 2017, , 353-365.	0.4	9
27	h-BN lamellar lubricant in hydrocarbon and formulated oil in porous sintered bearings (iron + h-BN). Archives of Civil and Mechanical Engineering, 2017, 17, 687-693.	3.8	13
28	CAD/CAE Applications in Mill's Design and Investigation. Lecture Notes in Mechanical Engineering, 2017, , 343-351.	0.4	19
29	3D Printing of Artificial Breast Mould Based on the Real Medical Images. Acta Mechanica Slovaca, 2017, 21, 16-21.	0.1	0
30	The CutMAG as a New Hybrid Method for Multi-edge Grinder Design Optimisation. Advances in Intelligent Systems and Computing, 2016, , 327-337.	0.6	26
31	Repository of images for reverse engineering and medical simulation purposes. Medical and Biological Sciences, 2016, 30, 23.	0.2	9
32	THE USE OF POLYMER WASTE FOR NANOCOMPOSITES PRODUCTION. Inżynieria Ekologiczna, 2016, , 149-153.	0.2	0
33	Approach to the Monitoring of Energy Consumption in Eco-grinder Based on ABC Optimization. Communications in Computer and Information Science, 2015, , 516-529.	0.5	25
34	Implementation of Genetic Algorithms Into Development of Mechatronic Multi-Edge's Grinder Design. , 2011, , .		18
35	Design and Utility of Specialist Comminution Set-Up for Plastics and Organic Materials. , 2011, , .		5
36	Method of estimation of efficiency of quasi-cutting of recycled opto-telecommunication pipes. Polimery, 2001, 46, 53-59.	0.7	9

#	ARTICLE	IF	CITATIONS
37	Size Reduction by Grinding as an Important Stage in Recycling. , 0, , .		3