

Marek Macko

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

389
citations

840776

11
h-index

839539

18
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39
docs citations

39
times ranked

176
citing authors

#	ARTICLE	IF	CITATIONS
1	AI-Optimized Technological Aspects of the Material Used in 3D Printing Processes for Selected Medical Applications. <i>Materials</i> , 2020, 13, 5437.	2.9	50
2	Recent Advances in Bipedal Walking Robots: Review of Gait, Drive, Sensors and Control Systems. <i>Sensors</i> , 2022, 22, 4440.	3.8	30
3	The CutMAG as a New Hybrid Method for Multi-edge Grinder Design Optimisation. <i>Advances in Intelligent Systems and Computing</i> , 2016, , 327-337.	0.6	26
4	Approach to the Monitoring of Energy Consumption in Eco-grinder Based on ABC Optimization. <i>Communications in Computer and Information Science</i> , 2015, , 516-529.	0.5	25
5	The Development of Efficient Contaminated Polymer Materials Shredding in Recycling Processes. <i>Polymers</i> , 2021, 13, 713.	4.5	22
6	Optimization of Extrusion-Based 3D Printing Process Using Neural Networks for Sustainable Development. <i>Materials</i> , 2021, 14, 2737.	2.9	20
7	CAD/CAE Applications in Millâ€™s Design and Investigation. <i>Lecture Notes in Mechanical Engineering</i> , 2017, , 343-351.	0.4	19
8	Implementation of Genetic Algorithms Into Development of Mechatronic Multi-Edgeâ€™s Grinder Design. , 2011, , .		18
9	The use of CAD applications in the design of shredders for polymers. <i>MATEC Web of Conferences</i> , 2018, 157, 02027.	0.2	16
10	Simulations CAE of wood pellet machine. <i>MATEC Web of Conferences</i> , 2019, 254, 02028.	0.2	15
11	Utility of an unitary-shredding method to evaluate the conditions and selection of constructional features during grinding. <i>MATEC Web of Conferences</i> , 2018, 157, 05016.	0.2	14
12	h-BN lamellar lubricant in hydrocarbon and formulated oil in porous sintered bearings (iron + h-BN). <i>Archives of Civil and Mechanical Engineering</i> , 2017, 17, 687-693.	3.8	13
13	The Method of Artificial Organs Fabrication Based on Reverse Engineering in Medicine. <i>Lecture Notes in Mechanical Engineering</i> , 2017, , 353-365.	0.4	9
14	3D Printed Hand Exoskeleton - Own Concept. <i>Lecture Notes in Mechanical Engineering</i> , 2019, , 298-306.	0.4	9
15	Bydgostian hand exoskeleton â€™ own concept and the biomedical factors. <i>Bio-Algorithms and Med-Systems</i> , 2019, 15, .	2.4	9
16	Surface modification of maize stem with polydopamine and tannic acid coatings. <i>Surfaces and Interfaces</i> , 2021, 26, 101319.	3.0	9
17	Repository of images for reverse engineering and medical simulation purposes. <i>Medical and Biological Sciences</i> , 2016, 30, 23.	0.2	9
18	Method of estimation of efficiency of quasi-cutting of recycled opto-telecommunication pipes. <i>Polimery</i> , 2001, 46, 53-59.	0.7	9

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19	Repository of 3D images for education and everyday clinical practice purposes. <i>Bio-Algorithms and Med-Systems</i> , 2017, 13, 111-116.	2.4	8
20	Impact of the Graphite Fillers on the Thermal Processing of Graphite/Poly(lactic acid) Composites. <i>Materials</i> , 2021, 14, 5346.	2.9	8
21	Work parameters research of wood pellet machine. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	7
22	Design and Utility of Specialist Comminution Set-Up for Plastics and Organic Materials. , 2011, , .		5
23	Design and manufacture of artificial organs made of polymers. <i>MATEC Web of Conferences</i> , 2019, 254, 06006.	0.2	5
24	Influence of the Size of the Fiber Filler of Corn Stalks in the Polylactide Matrix Composite on the Mechanical and Thermomechanical Properties. <i>Materials</i> , 2021, 14, 7281.	2.9	5
25	Riboflavin as a Biodegradable Functional Additive for Thermoplastic Polymers. <i>Environments - MDPI</i> , 2022, 9, 56.	3.3	4
26	Size Reduction by Grinding as an Important Stage in Recycling. , 0, , .		3
27	The Use of Simulation Software using the Discrete Element Method (DEM) for the Process of Materials Comminution. <i>MATEC Web of Conferences</i> , 2022, 357, 07005.	0.2	2
28	Reverse Engineering as a Way to Save Environment with-in Patient-Tailored Production of Assistive Technology Devices “ Based on Own Hand Exoskeleton Case Study. <i>Lecture Notes in Mechanical Engineering</i> , 2022, , 82-91.	0.4	1
29	Reverse Engineering in Rehabilitation. , 2018, , 521-528.		1
30	Mechanical Properties of Polylactide Matrix Composite Reinforced with Long Maize Stalk Fibers. <i>Advances in Science and Technology Research Journal</i> , 2022, 16, 104-112.	0.8	1
31	Intelligent System Supporting Technological Process Planning for Machining. <i>MATEC Web of Conferences</i> , 2022, 357, 04001.	0.2	1
32	Computer-aided Eco-design Grinding Machines using Software SolidWorks Sustainability. <i>MATEC Web of Conferences</i> , 2022, 357, 02022.	0.2	1
33	THE USE OF POLYMER WASTE FOR NANOCOMPOSITES PRODUCTION. In <i>1/4ynieria Ekologiczna</i> , 2016, , 149-153.	0.2	0
34	3D Printing of Artificial Breast Mould Based on the Real Medical Images. <i>Acta Mechanica Slovaca</i> , 2017, 21, 16-21.	0.1	0
35	Reverse Engineering in Rehabilitation. <i>Advances in Environmental Engineering and Green Technologies Book Series</i> , 2019, , 38-47.	0.4	0
36	Hand exoskeleton from Bydgoszcz “ mechanical issues. , 2019, , 271-274.	0.1	0

#	ARTICLE	IF	CITATIONS
37	Simulation Tests of Working Press Loads under Pre-tensioned Body Conditions. MATEC Web of Conferences, 2022, 357, 02017.	0.2	0