

Izabela Rojek

List of Publications by Year in descending order

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34
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34
docs citations

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times ranked

236
citing authors

#	ARTICLE	IF	CITATIONS
1	Digital Twins in Product Lifecycle for Sustainability in Manufacturing and Maintenance. Applied Sciences (Switzerland), 2021, 11, 31.	1.3	53
2	AI-Optimized Technological Aspects of the Material Used in 3D Printing Processes for Selected Medical Applications. Materials, 2020, 13, 5437.	1.3	50
3	Detection and Localization of Water Leaks in Water Nets Supported by an ICT System with Artificial Intelligence Methods as a Way Forward for Smart Cities. Sustainability, 2019, 11, 518.	1.6	48
4	Technological process planning by the use of neural networks. Artificial Intelligence for Engineering Design, Analysis and Manufacturing: AIEDAM, 2017, 31, 1-15.	0.7	32
5	Optimization of Extrusion-Based 3D Printing Process Using Neural Networks for Sustainable Development. Materials, 2021, 14, 2737.	1.3	20
6	Models for Better Environmental Intelligent Management within Water Supply Systems. Water Resources Management, 2014, 28, 3875-3890.	1.9	14
7	Neural Networks as Prediction Models for Water Intake in Water Supply System. Lecture Notes in Computer Science, 2008, , 1109-1119.	1.0	13
8	Hybrid Artificial Intelligence System in Constraint Based Scheduling of Integrated Manufacturing ERP Systems. Lecture Notes in Computer Science, 2012, , 229-240.	1.0	12
9	The Use of Machine Learning Method in Concurrent Ecodesign of Products and Technological Processes. Lecture Notes in Mechanical Engineering, 2018, , 321-330.	0.3	12
10	Ecodesign of Technological Processes with the Use of Decision Trees Method. Advances in Intelligent Systems and Computing, 2018, , 318-327.	0.5	10
11	Classifier Models in Intelligent CAPP Systems. Advances in Intelligent and Soft Computing, 2009, , 311-319.	0.2	10
12	Hybrid Neural Networks as Prediction Models. Lecture Notes in Computer Science, 2010, , 88-95.	1.0	9
13	3D Printed Hand Exoskeleton - Own Concept. Lecture Notes in Mechanical Engineering, 2019, , 298-306.	0.3	9
14	Bydgoszian hand exoskeleton "own concept and the biomedical factors. Bio-Algorithms and Med-Systems, 2019, 15, .	1.0	9
15	Predictive compensation of thermal deformations of ball screws in CNC machines using neural networks. Tehnicki Vjesnik, 2017, 24, .	0.3	6
16	Artificial Neural Networks as a Means for Making Process Control Charts User Friendly. Advances in Intelligent Systems and Computing, 2018, , 168-178.	0.5	5
17	Traditional Artificial Neural Networks Versus Deep Learning in Optimization of Material Aspects of 3D Printing. Materials, 2021, 14, 7625.	1.3	5
18	Reducing Waste in 3D Printing Using a Neural Network Based on an Own Elbow Exoskeleton. Materials, 2021, 14, 5074.	1.3	4

#	ARTICLE	IF	CITATIONS
19	Automation and Digitization of the Material Selection Process for Ecodesign. Advances in Intelligent Systems and Computing, 2019, , 523-532.	0.5	4
20	A Semi-Automated 3D-Printed Chainmail Design Algorithm with Preprogrammed Directional Functions for Hand Exoskeleton. Applied Sciences (Switzerland), 2022, 12, 5007.	1.3	4
21	Neural Networks as Classification Models in Intelligent CAPP Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 64-69.	0.4	3
22	Artificial Neural Network-Supported Selection of Materials in Ecodesign. Lecture Notes in Mechanical Engineering, 2019, , 422-431.	0.3	3
23	Dynamic Ensemble Selection " Application to Classification of Cutting Tools. Lecture Notes in Computer Science, 2020, , 345-354.	1.0	3
24	Evaluating the Reliability of Groove Turning for Piston Rings in Combustion Engines with the Use of Neural Networks. Archives of Mechanical Technology and Materials, 2017, 37, 35-40.	0.3	3
25	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.	0.3	1
26	MLP neural networks in the study of surface roughness Ra and Rz. , 2016, , 1036-1037.	0.2	1
27	Intelligent System Supporting Technological Process Planning for Machining. MATEC Web of Conferences, 2022, 357, 04001.	0.1	1
28	Probability analysis of dynamical effects of axial piston hydraulic motor. MATEC Web of Conferences, 2018, 157, 03016.	0.1	0
29	Inventive Methods in Designing an Environmentally Friendly Household Appliance. Lecture Notes in Electrical Engineering, 2019, , 347-353.	0.3	0
30	Comparison of Neural Networks Aiding Material Compatibility Assessment. Lecture Notes in Mechanical Engineering, 2022, , 14-24.	0.3	0
31	THE USE OF POLYMER WASTE FOR NANOCOMPOSITES PRODUCTION. In "Inżynieria Ekologiczna, 2016, , 149-153.	0.2	0
32	Computer aided production process design work methods. , 2017, , 805-807.	0.2	0
33	Hand exoskeleton from Bydgoszcz " mechanical issues. , 2019, , 271-274.	0.2	0