Dariusz MikoÅ,ajewski

List of Publications by Year
in descending order

57 papers	617 citations	686830 13 h-index	642321 23 g-index
60 all docs	60 docs citations	60 times ranked	524 citing authors

#	Article	IF	Citations
1	Most Popular Signal Processing Methods in Motor-Imagery BCI: A Review and Meta-Analysis. Frontiers in Neuroinformatics, 2018, 12, 78.	1.3	62
2	Survey on AI-Based Multimodal Methods for Emotion Detection. Lecture Notes in Computer Science, 2019, , 307-324.	1.0	56
3	Digital Twins in Product Lifecycle for Sustainability in Manufacturing and Maintenance. Applied Sciences (Switzerland), 2021, 11, 31.	1.3	53
4	The effects of handedness on sensorimotor rhythm desynchronization and motor-imagery BCI control. Scientific Reports, 2020, 10, 2087.	1.6	51
5	AI-Optimized Technological Aspects of the Material Used in 3D Printing Processes for Selected Medical Applications. Materials, 2020, 13, 5437.	1.3	50
6	Limbic brain structures and burnoutâ€"A systematic review. Advances in Medical Sciences, 2018, 63, 192-198.	0.9	38
7	Recent Advances in Bipedal Walking Robots: Review of Gait, Drive, Sensors and Control Systems. Sensors, 2022, 22, 4440.	2.1	30
8	The prospects of brain â€" computer interface applications in children. Open Medicine (Poland), 2014, 9, 74-79.	0.6	27
9	The Impact of Different Visual Feedbacks in User Training on Motor Imagery Control in BCI. Applied Psychophysiology Biofeedback, 2018, 43, 23-35.	1.0	26
10	Neuroprostheses for increasing disabled patients' mobility and control. Advances in Clinical and Experimental Medicine, 2012, 21, 263-72.	0.6	23
11	Optimization of Extrusion-Based 3D Printing Process Using Neural Networks for Sustainable Development. Materials, 2021, 14, 2737.	1.3	20
12	Non-invasive EEG-based brain-computer interfaces in patients with disorders of consciousness. Military Medical Research, 2014, 1, 14.	1.9	18
13	COMPUTATIONAL APPROACH TO UNDERSTANDING AUTISM SPECTRUM DISORDERS. Computer Science, 2012, 13, 47.	0.4	17
14	Integrated IT environment for people with disabilities: a new concept. Open Medicine (Poland), 2014, 9, 177-182.	0.6	13
15	Fuzzy System as an Assessment Tool for Analysis of the Health-Related Quality of Life for the People After Stroke. Lecture Notes in Computer Science, 2017, , 710-721.	1.0	13
16	Ethical considerations in the use of brain-computer interfaces. Open Medicine (Poland), 2013, 8, 720-724.	0.6	9
17	The Method of Artificial Organs Fabrication Based on Reverse Engineering in Medicine. Lecture Notes in Mechanical Engineering, 2017, , 353-365.	0.3	9
18	3D Printed Hand Exoskeleton - Own Concept. Lecture Notes in Mechanical Engineering, 2019, , 298-306.	0.3	9

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19	Bydgostian hand exoskeleton â€" own concept and the biomedical factors. Bio-Algorithms and Med-Systems, 2019, 15, .	1.0	9
20	Repository of images for reverse engineering and medical simulation purposes. Medical and Biological Sciences, 2016, 30, 23.	0.2	9
21	Assessment of the State of the Natural Antioxidant Barrier of a Body in Patients Complaining about the Presence of Tinnitus. Oxidative Medicine and Cellular Longevity, 2018, 2018, 1-8.	1.9	7
22	Fuzzy-based computational simulations of brain functions â€" preliminary concept. Bio-Algorithms and Med-Systems, 2016, 12, 99-104.	1.0	6
23	Design and manufacture of artificial organs made of polymers. MATEC Web of Conferences, 2019, 254, 06006.	0.1	5
24	Modeling Trends in the Hierarchical Fuzzy System for Multi-criteria Evaluation of Medical Data. Advances in Intelligent Systems and Computing, 2018, , 207-219.	0.5	5
25	Autism and ADHD â€" Two Ends of the Same Spectrum?. Lecture Notes in Computer Science, 2013, , 623-630.	1.0	5
26	Traditional Artificial Neural Networks Versus Deep Learning in Optimization of Material Aspects of 3D Printing. Materials, 2021, 14, 7625.	1.3	5
27	Cognitive robots in the development and rehabilitation of children with developmental disorders. Bio-Algorithms and Med-Systems, 2016, 12, 93-98.	1.0	4
28	M-tourism as increasing trend within current tourism and recreation - Polish and international experience. AIP Conference Proceedings, 2017, , .	0.3	4
29	Reducing Waste in 3D Printing Using a Neural Network Based on an Own Elbow Exoskeleton. Materials, 2021, 14, 5074.	1.3	4
30	Cardiac Telerehabilitation - Current State and Clinical Perspectives. Heart Research - Open Journal, 2014, 1, 10-14.	0.2	4
31	A Semi-Automated 3D-Printed Chainmail Design Algorithm with Preprogrammed Directional Functions for Hand Exoskeleton. Applied Sciences (Switzerland), 2022, 12, 5007.	1.3	4
32	Usefulness of EGI EEG system in brain computer interface research. Bio-Algorithms and Med-Systems, 2013, 9, 73-79.	1.0	3
33	Analysis of Temporospatial Gait Parameters. Studies in Fuzziness and Soft Computing, 2017, , 289-302.	0.6	3
34	OFN-Based Brain Function Modeling. Studies in Fuzziness and Soft Computing, 2017, , 303-322.	0.6	2
35	Brain stem â€" from general view to computational model based on switchboard rules of operation. Bio-Algorithms and Med-Systems, 2020, 16, .	1.0	2
36	Intelligent emotions stabilization system using standardized images, breath sensor and biofeedback - new concept. , 2014, , .		1

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37	Ethics in communication with patients in the state of disorders of consciousness. Natural situation and the use of modern technologies. Postepy Psychiatrii I Neurologii, 2016, 25, 85-92.	0.2	1
38	Reverse Engineering as a Way to Save Environment with-in Patient-Tailored Production of Assistive Technology Devices â€" Based on Own Hand Exoskeleton Case Study. Lecture Notes in Mechanical Engineering, 2022, , 82-91.	0.3	1
39	Komputeryzacja testÃ³w w fizjoterapii / computerization of testing in physical therapy. Fizjoterapia, 2011, 19, .	0.1	1
40	Fuzzy-based Description of Computational Complexity of Central Nervous Systems. Journal of Telecommunications and Information Technology, 2020, 3, 57-66.	0.3	1
41	Intelligent System Supporting Technological Process Planning for Machining. MATEC Web of Conferences, 2022, 357, 04001.	0.1	1
42	Noise as a useful signal within the nervous system in neurorehabilitation. Bio-Algorithms and Med-Systems, 2013, 9, 209-213.	1.0	0
43	Computational model of decreased suppression of mu rhythms in patients with Autism Spectrum Disorders during movement observationâ€"preliminary findings. Bio-Algorithms and Med-Systems, 2021, 17, 95-102.	1.0	0
44	Science and Innovative Thinking for Technical and Organizational Development. Advances in Medical Education, Research, and Ethics, 2016, , 1-17.	0.1	0
45	Interdisciplinary Education for Research and Everyday Clinical Practice. Advances in Medical Education, Research, and Ethics, 2016, , 78-110.	0.1	0
46	Models of Cooperation between Medical Specialists and Biomedical Engineers in Neuroprosthetics. , 2017, , 1473-1489.		0
47	Science and Innovative Thinking for Technical and Organizational Development. , 2017, , 929-945.		0
48	Rola mobilnoÅ›ci w rozwoju poznawczym dzieci z deficytem motorycznym â€" obserwacje wÅ‚asne uÅ¼ytkownikÃ³w wÃ³zkÃ³w dla dzieci niepeÅ‚nosprawnych. Medical and Biological Sciences, 2017, 30, 65.	0.2	0
49	Komunikacja w grupie pacjentÃ³w z zaburzeniami Å›wiadomoÅ›ci â€" wnioskiz projektu InteRDoCTor. Medical and Biological Sciences, 2017, 30, 33.	0.2	0
50	Social Context. Advances in Human and Social Aspects of Technology Book Series, 2018, , 274-293.	0.3	0
51	Cross-Cultural Decision-Making in Healthcare. Advances in Healthcare Information Systems and Administration Book Series, 2018, , 276-298.	0.2	0
52	Possibilities of novel technologies application for purposes of tourism of people with special needs. Economic and Environmental Studies, 2018, 18, 879-892.	0.2	0
53	Hand exoskeleton from Bydgoszcz â€" mechanical issues. , 2019, , 271-274.	0.2	0
54	Modelling effects of consciousness disorders in brainstem computational model â€" Preliminary findings. Bio-Algorithms and Med-Systems, 2020, 16, .	1.0	0

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55	Models of Cooperation between Medical Specialists and Biomedical Engineers in Neuroprosthetics. Advances in Bioinformatics and Biomedical Engineering Book Series, 0, , 65-80.	0.2	0
56	Chances for and Limitations of Brain-Computer Interface use in Elderly People. Advances in Bioinformatics and Biomedical Engineering Book Series, 0, , 116-126.	0.2	0
57	Interdisciplinary Education for Research and Everyday Clinical Practice. , 0, , 203-235.		0