

# Å<sup>1/2</sup>arko M ÄojbaÄjiÄ

## List of Publications by Year in descending order

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Version: 2024-02-01

69  
papers

1,877  
citations

279798

23  
h-index

265206

42  
g-index

75  
all docs

75  
docs citations

75  
times ranked

1608  
citing authors

#	ARTICLE	IF	CITATIONS
1	Adaptive neuro-fuzzy maximal power extraction of wind turbine with continuously variable transmission. <i>Energy</i> , 2014, 64, 868-874.	8.8	190
2	Adaptive neuro-fuzzy approach for wind turbine power coefficient estimation. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 28, 191-195.	16.4	162
3	Adaptive neuro fuzzy controller for adaptive compliant robotic gripper. <i>Expert Systems With Applications</i> , 2012, 39, 13295-13304.	7.6	125
4	Support vector regression methodology for wind turbine reaction torque prediction with power-split hydrostatic continuous variable transmission. <i>Energy</i> , 2014, 67, 623-630.	8.8	113
5	Wind farm efficiency by adaptive neuro-fuzzy strategy. <i>International Journal of Electrical Power and Energy Systems</i> , 2016, 81, 215-221.	5.5	107
6	Adaptive neuro-fuzzy estimation of autonomic nervous system parameters effect on heart rate variability. <i>Neural Computing and Applications</i> , 2012, 21, 2065-2070.	5.6	90
7	COMPARISON OF THREE FUZZY MCDM METHODS FOR SOLVING THE SUPPLIER SELECTION PROBLEM. <i>Facta Universitatis, Series: Mechanical Engineering</i> , 2019, 17, 455.	4.6	82
8	Surface roughness prediction by extreme learning machine constructed with abrasive water jet. <i>Precision Engineering</i> , 2016, 43, 86-92.	3.4	68
9	Adaptive neuro fuzzy estimation of underactuated robotic gripper contact forces. <i>Expert Systems With Applications</i> , 2013, 40, 281-286.	7.6	64
10	Adaptive neuro fuzzy selection of heart rate variability parameters affected by autonomic nervous system. <i>Expert Systems With Applications</i> , 2013, 40, 4490-4495.	7.6	50
11	Design and state of art of innovative wind turbine systems. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 61, 258-265.	16.4	49
12	Wind wake influence estimation on energy production of wind farm by adaptive neuro-fuzzy methodology. <i>Energy</i> , 2015, 80, 361-372.	8.8	36
13	Intelligent control of DC motor driven electromechanical fin actuator. <i>Control Engineering Practice</i> , 2012, 20, 610-617.	5.5	35
14	Very accurate explicit approximations for calculation of the Colebrook friction factor. <i>International Journal of Mechanical Sciences</i> , 2013, 67, 10-13.	6.7	35
15	Comparative study of clustering methods for wake effect analysis in wind farm. <i>Energy</i> , 2016, 95, 573-579.	8.8	35
16	Sensorless estimation of wind speed by adaptive neuro-fuzzy methodology. <i>International Journal of Electrical Power and Energy Systems</i> , 2014, 62, 490-495.	5.5	34
17	Evolutionary Optimization of Colebrook's Turbulent Flow Friction Approximations. <i>Fluids</i> , 2017, 2, 15.	1.7	31
18	Adaptive neuro-fuzzy optimization of wind farm project net profit. <i>Energy Conversion and Management</i> , 2014, 80, 229-237.	9.2	30

#	ARTICLE	IF	CITATIONS
19	Adaptive neuro-fuzzy estimation of diffuser effects on wind turbine performance. <i>Energy</i> , 2015, 89, 324-333.	8.8	30
20	Intelligent Flow Friction Estimation. <i>Computational Intelligence and Neuroscience</i> , 2016, 2016, 1-10.	1.7	28
21	Adaptive neuro-fuzzy estimation of building augmentation of wind turbine power. <i>Computers and Fluids</i> , 2014, 97, 188-194.	2.5	25
22	Optimization of the Gating System for Sand Casting Using Genetic Algorithm. <i>International Journal of Metalcasting</i> , 2017, 11, 255-265.	1.9	21
23	Computationally intelligent modeling and control of fluidized bed combustion process. <i>Thermal Science</i> , 2011, 15, 321-338.	1.1	19
24	Artificial neural networks based early clinical prediction of mortality after spontaneous intracerebral hemorrhage. <i>Acta Neurologica Belgica</i> , 2012, 112, 375-382.	1.1	15
25	A Novel Simple, Adaptive, and Versatile Soft-Robotic Compliant Two-Finger Gripper With an Inherently Gentle Touch. <i>Journal of Mechanisms and Robotics</i> , 2021, 13, .	2.2	15
26	Application of fuzzy logic for evaluation of the level of social acceptance of waste treatment. <i>Clean Technologies and Environmental Policy</i> , 2016, 18, 1863-1875.	4.1	14
27	Reproducibility of 24-h heart rate variability in children. <i>Clinical Autonomic Research</i> , 2017, 27, 273-278.	2.5	14
28	Photoacoustic Measurements of the Thermal and Elastic Properties of n-Type Silicon Using Neural Networks. <i>Silicon</i> , 2020, 12, 1289-1300.	3.3	14
29	Application of Machine Learning in the Control of Metal Melting Production Process. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 6048.	2.5	14
30	CASTING IMPROVEMENT BASED ON METAHEURISTIC OPTIMIZATION AND NUMERICAL SIMULATION. <i>Facta Universitatis, Series: Mechanical Engineering</i> , 2017, 15, 397.	4.6	14
31	Computationally intelligent pulsed photoacoustics. <i>Measurement Science and Technology</i> , 2014, 25, 125203.	2.6	11
32	Robust Stereo-Vision Based 3D Object Reconstruction for the Assistive Robot FRIEND. <i>Advances in Electrical and Computer Engineering</i> , 2011, 11, 15-22.	0.9	11
33	Artificial neural networks based prediction of cerebral palsy in infants with central coordination disturbance. <i>Early Human Development</i> , 2012, 88, 547-553.	1.8	10
34	Neural Networks-Based Real-Time Determination of the Laser Beam Spatial Profile and Vibrational-to-Translational Relaxation Time Within Pulsed Photoacoustics. <i>International Journal of Thermophysics</i> , 2013, 34, 1795-1802.	2.1	10
35	Potential of neuro-fuzzy methodology to estimate noise level of wind turbines. <i>Mechanical Systems and Signal Processing</i> , 2016, 66-67, 715-722.	8.0	10
36	Photoacoustic optical semiconductor characterization based on machine learning and reverse-back procedure. <i>Optical and Quantum Electronics</i> , 2020, 52, 1.	3.3	10

#	ARTICLE	IF	CITATIONS
37	THE VEHICLE ROUTING PROBLEM WITH STOCHASTIC DEMANDS IN AN URBAN AREA – A CASE STUDY. Facta Universitatis, Series: Mechanical Engineering, 2020, 18, 107.	4.6	10
38	Air quality estimation by computational intelligence methodologies. Thermal Science, 2012, 16, 493-504.	1.1	9
39	Computationally intelligent modelling of the plasma cutting process. International Journal of Computer Integrated Manufacturing, 2020, 33, 252-264.	4.6	9
40	CAD/CAM DESIGN AND GENETIC OPTIMIZATION OF FEEDERS FOR SAND CASTING PROCESS. Facta Universitatis, Series: Mechanical Engineering, 2016, 14, 147.	4.6	9
41	Thermal vision based intelligent system for human detection and tracking in mobile robot control system. Thermal Science, 2016, 20, 1553-1559.	1.1	9
42	Generic Imatinib in Chronic Myeloid Leukemia Treatment: Long-Term Follow-up. Clinical Lymphoma, Myeloma and Leukemia, 2019, 19, e526-e531.	0.4	8
43	Inverse problem solving in semiconductor photoacoustics by neural networks. Inverse Problems in Science and Engineering, 2021, 29, 248-262.	1.2	8
44	AN APPLICATION OF METAHEURISTIC OPTIMIZATION ALGORITHMS FOR SOLVING THE FLEXIBLE JOB-SHOP SCHEDULING PROBLEM. Operational Research in Engineering Sciences: Theory and Applications, 2020, 3, 13-28.	2.4	7
45	Hybrid soft computing control strategies for improving the energy capture of a wind farm. Thermal Science, 2012, 16, 483-491.	1.1	5
46	Intelligent optimal control of thermal vision-based Person-Following Robot Platform. Thermal Science, 2014, 18, 957-966.	1.1	5
47	Adaptive Soft Robotic Gripper Based on Shape Morphing Compliant System. , 2018, , .		5
48	The application of artificial neural networks in solid-state photoacoustics for the recognition of microphone response effects in the frequency domain. Journal of Computational Electronics, 2020, 19, 1268-1280.	2.5	5
49	An approach to neuro-fuzzy filtering for communications and control. , 0, , .		4
50	Genetic Algorithms Application for the Photoacoustic Signal Temporal Shape Analysis and Energy Density Spatial Distribution Calculation. International Journal of Thermophysics, 2013, 34, 1466-1472.	2.1	4
51	Computationally intelligent system for thermal vision people detection and tracking in robotic applications. , 2013, , .		4
52	Laser Fluence Recognition Using Computationally Intelligent Pulsed Photoacoustics Within the Trace Gases Analysis. International Journal of Thermophysics, 2017, 38, 1.	2.1	4
53	Intelligent system for automatic control of the process of filling the mold. International Journal of Advanced Manufacturing Technology, 2017, 90, 2223-2231.	3.0	4
54	The significance of angiogenesis for predicting optimal therapeutic response in chronic myeloid leukaemia patients. Polish Journal of Pathology, 2017, 68, 241-251.	0.3	4

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55	Rheological model optimization using advanced evolutionary computation for the analysis of the influence of recycled rubber on rubber blend dynamical behaviour. <i>Meccanica</i> , 2013, 48, 2467-2477.	2.0	3
56	Comparison of Artificial Neural Network and Logistic Regression Models for Predicting Clinically Relevant Outcome. <i>World Neurosurgery</i> , 2014, 82, e377-e378.	1.3	3
57	Machine Learning Classification of Cervical Tissue Liquid Based Cytology Smear Images by Optomagnetic Imaging Spectroscopy. <i>Tehnicki Vjesnik</i> , 2019, 26, .	0.2	2
58	Improvement of Neural Networks Applied to Photoacoustic Signals of Semiconductors with Added Noise. <i>Silicon</i> , 2021, 13, 2959-2969.	3.3	2
59	Optimization of chemical composition in the manufacturing process of flotation balls based on intelligent soft sensing. <i>Hemijska Industrija</i> , 2016, 70, 603-612.	0.7	2
60	Machine Learning for Personalized Medicine: Clinical Outcome Prediction and Diagnosis : Plenary Talk. , 2019, , .		2
61	Casting Process Improvement by the Application of Artificial Intelligence. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 3264.	2.5	2
62	Novel Smart and Compliant Robotic Gripper: Design, Modelling, Experiments and Control. , 2019, , .		1
63	METAHEURISTICS FOR THE WASTE COLLECTION VEHICLE ROUTING PROBLEM IN URBAN AREAS. <i>Facta Universitatis Series Working and Living Environmental Protection</i> , 0, , 001.	0.0	1
64	Temperature controller optimization by computational intelligence. <i>Thermal Science</i> , 2016, 20, 1541-1552.	1.1	1
65	Vision-Based Inspection of Tyre Tread Depth. <i>Transactions of Famena</i> , 2021, 45, 19-28.	0.6	1
66	Spatial laser beam determination by pulsed photoacoustics: detection radius/signal wavelength approximation. <i>Physica Scripta</i> , 2013, T157, 014058.	2.5	0
67	Enhanced control of radiator heating system. <i>Thermal Science</i> , 2018, 22, 1337-1348.	1.1	0
68	Metaheuristic algorithms for the flexible job-shop scheduling problem. <i>IMK-14 - Istrazivanje I Razvoj</i> , 2020, 26, 49-56.	0.0	0
69	Impact of quality of response on survival outcomes among multiple myeloma patients treated with novel agents – a retrospective analysis. <i>Sao Paulo Medical Journal</i> , 2022, 140, 222-228.	0.9	0