

Ivan Lorencin

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

590
citations

687220

13
h-index

642610

23
g-index

32
all docs

32
docs citations

32
times ranked

437
citing authors

#	ARTICLE	IF	CITATIONS
1	Genetic Algorithm-Based Parametrization of a PI Controller for DC Motor Control. Tehnički Glasnik, 2022, 16, 16-22.	0.4	3
2	Automatic Evaluation of the Lung Condition of COVID-19 Patients Using X-ray Images and Convolutional Neural Networks. Journal of Personalized Medicine, 2021, 11, 28.	1.1	18
3	On Urinary Bladder Cancer Diagnosis: Utilization of Deep Convolutional Generative Adversarial Networks for Data Augmentation. Biology, 2021, 10, 175.	1.3	13
4	Thermodynamic Analysis of a Condensate Heating System from a Marine Steam Propulsion Plant with Steam Reheating. Journal of Marine Science and Application, 2021, 20, 117-127.	0.7	3
5	Application of Artificial Intelligence-Based Regression Methods in the Problem of COVID-19 Spread Prediction: A Systematic Review. International Journal of Environmental Research and Public Health, 2021, 18, 4287.	1.2	35
6	The influence of various optimization algorithms on nuclear power plant steam turbine exergy efficiency and destruction. Pomorstvo, 2021, 35, 69-86.	0.2	8
7	Use of Genetic Programming for the Estimation of CODLAG Propulsion System Parameters. Journal of Marine Science and Engineering, 2021, 9, 612.	1.2	6
8	Utilization of multilayer perceptron for determining the inverse kinematics of an industrial robotic manipulator. International Journal of Advanced Robotic Systems, 2021, 18, 172988142092528.	1.3	15
9	Artificial intelligence approach towards assessment of condition of COVID-19 patients - Identification of predictive biomarkers associated with severity of clinical condition and disease progression. Computers in Biology and Medicine, 2021, 138, 104869.	3.9	6
10	Estimation of COVID-19 epidemic curves using genetic programming algorithm. Health Informatics Journal, 2021, 27, 146045822097672.	1.1	16
11	Estimation of COVID-19 Epidemiology Curve of the United States Using Genetic Programming Algorithm. International Journal of Environmental Research and Public Health, 2021, 18, 959.	1.2	10
12	Epidemiological Predictive Modeling of COVID-19 Infection: Development, Testing, and Implementation on the Population of the Benelux Union. Frontiers in Public Health, 2021, 9, 727274.	1.3	11
13	Semantic Segmentation of Urinary Bladder Cancer Masses from CT Images: A Transfer Learning Approach. Biology, 2021, 10, 1134.	1.3	6
14	Utilization of Convolutional Neural Networks for Urinary Bladder Cancer Diagnosis Recognition From CT Imagery. , 2021, , .		0
15	Automated Grading of Oral Squamous Cell Carcinoma into Multiple Classes Using Deep Learning Methods. , 2021, , .		6
16	Preparation of Simplified Molecular Input Line Entry System Notation Datasets for use in Convolutional Neural Networks. , 2021, , .		2
17	Determining residuary resistance per unit weight of displacement with Symbolic Regression and Gradient Boosted Tree algorithms. Pomorstvo, 2021, 35, 287-296.	0.2	0
18	Using multi-layer perceptron with Laplacian edge detector for bladder cancer diagnosis. Artificial Intelligence in Medicine, 2020, 102, 101746.	3.8	80

#	ARTICLE	IF	CITATIONS
19	Frigate Speed Estimation Using CODLAG Propulsion System Parameters and Multilayer Perceptron. <i>Nase More</i> , 2020, 67, 117-125.	0.1	9
20	Improvement of Marine Steam Turbine Conventional Exergy Analysis by Neural Network Application. <i>Journal of Marine Science and Engineering</i> , 2020, 8, 884.	1.2	16
21	Modeling the Spread of COVID-19 Infection Using a Multilayer Perceptron. <i>Computational and Mathematical Methods in Medicine</i> , 2020, 2020, 1-10.	0.7	141
22	Path planning optimization of six-degree-of-freedom robotic manipulators using evolutionary algorithms. <i>International Journal of Advanced Robotic Systems</i> , 2020, 17, 172988142090807.	1.3	35
23	Estimation of gas turbine shaft torque and fuel flow of a CODLAG propulsion system using genetic programming algorithm. <i>Pomorstvo</i> , 2020, 34, 323-337.	0.2	3
24	Comparison of Exergy and Various Energy Analysis Methods for a Main Marine Steam Turbine at Different Loads. <i>Journal of Maritime & Transportation Science</i> , 2020, 59, 9-34.	0.2	3
25	Energy and Exergy Analyses of Forced Draft Fan for Marine Steam Propulsion System during Load Change. <i>Journal of Marine Science and Engineering</i> , 2019, 7, 381.	1.2	17
26	Multilayer Perceptron approach to Condition-Based Maintenance of Marine CODLAG Propulsion System Components. <i>Pomorstvo</i> , 2019, 33, 181-190.	0.2	16
27	Exergy analysis of marine steam turbine labyrinth (gland) seals. <i>Pomorstvo</i> , 2019, 33, 76-83.	0.2	16
28	Genetic Algorithm Approach to Design of Multi-Layer Perceptron for Combined Cycle Power Plant Electrical Power Output Estimation. <i>Energies</i> , 2019, 12, 4352.	1.6	62
29	Marine Objects Recognition Using Convolutional Neural Networks. <i>Nase More</i> , 2019, 66, 112-120.	0.1	19
30	Analysis of Gas Turbine Operation before and after Major Maintenance. <i>Journal of Maritime & Transportation Science</i> , 2019, 57, 57-70.	0.2	2
31	On the Traveling Salesman Problem in Nautical Environments: an Evolutionary Computing Approach to Optimization of Tourist Route Paths in Medulin, Croatia. <i>Journal of Maritime & Transportation Science</i> , 2019, 57, 71-87.	0.2	7