Nikola AnÄ‘eliÄ

List of Publications by Year
in descending order

30 papers	577 citations	687363 13 h-index	642732 23 g-index
31 all docs	31 docs citations	31 times ranked	429 citing authors

#	Article	IF	Citations
1	Modeling the Spread of COVID-19 Infection Using a Multilayer Perceptron. Computational and Mathematical Methods in Medicine, 2020, 2020, 1-10.	1.3	141
2	Using multi-layer perceptron with Laplacian edge detector for bladder cancer diagnosis. Artificial Intelligence in Medicine, 2020, 102, 101746.	6.5	80
3	Genetic Algorithm Approach to Design of Multi-Layer Perceptron for Combined Cycle Power Plant Electrical Power Output Estimation. Energies, 2019, 12, 4352.	3.1	62
4	Path planning optimization of six-degree-of-freedom robotic manipulators using evolutionary algorithms. International Journal of Advanced Robotic Systems, 2020, 17, 172988142090807.	2.1	35
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.	2.6	35
6	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.	2.5	18
7	Energy and Exergy Analyses of Forced Draft Fan for Marine Steam Propulsion System during Load Change. Journal of Marine Science and Engineering, 2019, 7, 381.	2.6	17
8	Multilayer Perceptron approach to Condition-Based Maintenance of Marine CODLAG Propulsion System Components. Pomorstvo, 2019, 33, 181-190.	0.5	16
9	Exergy analysis of marine steam turbine labyrinth (gland) seals. Pomorstvo, 2019, 33, 76-83.	0.5	16
10	Improvement of Marine Steam Turbine Conventional Exergy Analysis by Neural Network Application. Journal of Marine Science and Engineering, 2020, 8, 884.	2.6	16
11	Estimation of COVID-19 epidemic curves using genetic programming algorithm. Health Informatics Journal, 2021, 27, 146045822097672.	2.1	16
12	Utilization of multilayer perceptron for determining the inverse kinematics of an industrial robotic manipulator. International Journal of Advanced Robotic Systems, 2021, 18, 172988142092528.	2.1	15
13	COMPARISON OF ENERGY FLOW STREAM AND ISENTROPIC METHOD FOR STEAM TURBINE ENERGY ANALYSIS. Acta Polytechnica, 2019, 59, 109-125.	0.6	14
14	On Urinary Bladder Cancer Diagnosis: Utilization of Deep Convolutional Generative Adversarial Networks for Data Augmentation. Biology, 2021, 10, 175.	2.8	13
15	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.	2.6	10
16	NEMS Resonators for Detection of Chemical Warfare Agents Based on Graphene Sheet. Mathematical Problems in Engineering, 2019, 2019, 1-23.	1.1	8
17	Use of Genetic Programming for the Estimation of CODLAG Propulsion System Parameters. Journal of Marine Science and Engineering, 2021, 9, 612.	2.6	6
18	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.	7.0	6

#	ARTICLE	IF	CITATIONS
19	Artificial neural network for predicting values of residuary resistance per unit weight of displacement. Journal of Maritime & Transportation Science, 2019, 57, 9-22.	0.1	6
20	Semantic Segmentation of Urinary Bladder Cancer Masses from CT Images: A Transfer Learning Approach. Biology, 2021, 10, 1134.	2.8	6
21	Automated Grading of Oral Squamous Cell Carcinoma into Multiple Classes Using Deep Learning Methods. , 2021, , .		6
22	Dynamics Modeling of Industrial Robotic Manipulators: A Machine Learning Approach Based on Synthetic Data. Mathematics, 2022, 10, 1174.	2.2	6
23	Analysis of Low-Power Steam Turbine With One Extraction for Marine Applications. Nase More, 2020, 67, 87-95.	0.5	5
24	On the influence of thermal stresses on eigenvalues of a circular saw blade. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2017, 231, 96-108.	2.1	4
25	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.	1.7	3
26	Estimation of gas turbine shaft torque and fuel flow of a CODLAG propulsion system using genetic programming algorithm. Pomorstvo, 2020, 34, 323-337.	0.5	3
27	Comparison of Exergy and Various Energy Analysis Methods for a Main Marine Steam Turbine at Different Loads. Journal of Maritime & Transportation Science, 2020, 59, 9-34.	0.1	3
28	Analysis of Gas Turbine Operation before and after Major Maintenance. Journal of Maritime & Transportation Science, 2019, 57, 57-70.	0.1	2
29	Preparation of Simplified Molecular Input Line Entry System Notation Datasets for use in Convolutional Neural Networks. , 2021, , .		2
30	Variation of Natural Frequencies by Circular Saw Blade Rotation. Tehnicki Vjesnik, 2018, 25, .	0.2	1