

Nikola AnÄ‘eliÄ

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

577
citations

687363

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h-index

642732

23
g-index

31
all docs

31
docs citations

31
times ranked

429
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamics Modeling of Industrial Robotic Manipulators: A Machine Learning Approach Based on Synthetic Data. Mathematics, 2022, 10, 1174.	2.2	6
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.	2.5	18
3	On Urinary Bladder Cancer Diagnosis: Utilization of Deep Convolutional Generative Adversarial Networks for Data Augmentation. Biology, 2021, 10, 175.	2.8	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.	1.7	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.	2.6	35
6	Use of Genetic Programming for the Estimation of CODLAG Propulsion System Parameters. Journal of Marine Science and Engineering, 2021, 9, 612.	2.6	6
7	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
8	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
9	Estimation of COVID-19 epidemic curves using genetic programming algorithm. Health Informatics Journal, 2021, 27, 146045822097672.	2.1	16
10	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
11	Semantic Segmentation of Urinary Bladder Cancer Masses from CT Images: A Transfer Learning Approach. Biology, 2021, 10, 1134.	2.8	6
12	Automated Grading of Oral Squamous Cell Carcinoma into Multiple Classes Using Deep Learning Methods. , 2021, , .		6
13	Preparation of Simplified Molecular Input Line Entry System Notation Datasets for use in Convolutional Neural Networks. , 2021, , .		2
14	Using multi-layer perceptron with Laplacian edge detector for bladder cancer diagnosis. Artificial Intelligence in Medicine, 2020, 102, 101746.	6.5	80
15	Analysis of Low-Power Steam Turbine With One Extraction for Marine Applications. Nase More, 2020, 67, 87-95.	0.5	5
16	Improvement of Marine Steam Turbine Conventional Exergy Analysis by Neural Network Application. Journal of Marine Science and Engineering, 2020, 8, 884.	2.6	16
17	Modeling the Spread of COVID-19 Infection Using a Multilayer Perceptron. Computational and Mathematical Methods in Medicine, 2020, 2020, 1-10.	1.3	141
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	NEMS Resonators for Detection of Chemical Warfare Agents Based on Graphene Sheet. Mathematical Problems in Engineering, 2019, 2019, 1-23.	1.1	8
22	COMPARISON OF ENERGY FLOW STREAM AND ISENTROPIC METHOD FOR STEAM TURBINE ENERGY ANALYSIS. Acta Polytechnica, 2019, 59, 109-125.	0.6	14
23	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
24	Multilayer Perceptron approach to Condition-Based Maintenance of Marine CODLAG Propulsion System Components. Pomorstvo, 2019, 33, 181-190.	0.5	16
25	Exergy analysis of marine steam turbine labyrinth (gland) seals. Pomorstvo, 2019, 33, 76-83.	0.5	16
26	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
27	Analysis of Gas Turbine Operation before and after Major Maintenance. Journal of Maritime & Transportation Science, 2019, 57, 57-70.	0.1	2
28	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
29	Variation of Natural Frequencies by Circular Saw Blade Rotation. Tehnicki Vjesnik, 2018, 25, .	0.2	1
30	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