

Emmanuel Karlo Nyarko

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1457013/publications.pdf>

Version: 2024-02-01

31
papers

670
citations

623734

14
h-index

580821

25
g-index

31
all docs

31
docs citations

31
times ranked

702
citing authors

#	ARTICLE	IF	CITATIONS
1	Wound Detection by Simple Feedforward Neural Network. Electronics (Switzerland), 2022, 11, 329.	3.1	6
2	Application of Artificial Intelligence Methods for Predicting the Compressive Strength of Self-Compacting Concrete with Class F Fly Ash. Materials, 2022, 15, 4191.	2.9	10
3	Determining the Optimal Location and Number of Voltage Dip Monitoring Devices Using the Binary Bat Algorithm. Energies, 2021, 14, 255.	3.1	10
4	Determination of Foam Stability in Lager Beers Using Digital Image Analysis of Images Obtained Using RGB and 3D Cameras. Fermentation, 2021, 7, 46.	3.0	5
5	Complementing Digital Image Analysis and Laser Distance Meter in Beer Foam Stability Determination. Fermentation, 2021, 7, 113.	3.0	1
6	Modeling of Compressive Strength of Self-Compacting Rubberized Concrete Using Machine Learning. Materials, 2021, 14, 4346.	2.9	31
7	Automatic Robot-Driven 3D Reconstruction System for Chronic Wounds. Sensors, 2021, 21, 8308.	3.8	5
8	Machine learning approaches for estimation of compressive strength of concrete. European Physical Journal Plus, 2020, 135, 1.	2.6	24
9	Optimization of Public Transport Services to Minimize Passengers' Waiting Times and Maximize Vehicles' Occupancy Ratios. Electronics (Switzerland), 2020, 9, 360.	3.1	8
10	Second-order supercapacitor model and its parameter extraction. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2020, 33, e2727.	1.9	3
11	Statistical estimation of the object's area from the image contaminated with additive noise. , 2020, , .		0
12	Place Recognition Based on Planar Surfaces Using Multiple RGB-D Images Taken From the same Position. , 2019, , .		0
13	Short-Term Forecasting of Electricity Consumption Using Artificial Neural Networks - an Overview. , 2019, , .		3
14	Modelling the Influence of Waste Rubber on Compressive Strength of Concrete by Artificial Neural Networks. Materials, 2019, 12, 561.	2.9	46
15	Modeling daily water temperature for rivers: comparison between adaptive neuro-fuzzy inference systems and artificial neural networks models. Environmental Science and Pollution Research, 26, 402-420.	5.3	77
16	Assessing the performance of a suite of machine learning models for daily river water temperature prediction. PeerJ, 2019, 7, e7065.	2.0	35
17	Wound measurement by RGB-D camera. Machine Vision and Applications, 2018, 29, 633-654.	2.7	20
18	Determining the Natural Frequency of Cantilever Beams Using ANN and Heuristic Search. Applied Artificial Intelligence, 2018, 32, 309-334.	3.2	25

#	ARTICLE	IF	CITATIONS
19	Modelling daily water temperature from air temperature for the Missouri River. PeerJ, 2018, 6, e4894.	2.0	62
20	A nearest neighbor approach for fruit recognition in RGB-D images based on detection of convex surfaces. Expert Systems With Applications, 2018, 114, 454-466.	7.6	45
21	Evaluation of color and texture descriptors for matching of planar surfaces in global localization scheme. Robotics and Autonomous Systems, 2016, 80, 55-68.	5.1	2
22	Wound detection and reconstruction using RGB-D camera. , 2016, , .		6
23	Detection, Reconstruction and Segmentation of Chronic Wounds Using Kinect v2 Sensor. Procedia Computer Science, 2016, 90, 151-156.	2.0	14
24	Chua's model of nonlinear coil in a ferroresonant circuit obtained using Dommel's method and grey box modelling approach. Nonlinear Dynamics, 2016, 86, 51-63.	5.2	7
25	Flood-routing modeling with neural network optimized by social-based algorithm. Natural Hazards, 2016, 82, 1-24.	3.4	78
26	Place recognition based on matching of planar surfaces and line segments. International Journal of Robotics Research, 2015, 34, 674-704.	8.5	19
27	A modification of the DIRECT method for Lipschitz global optimization for a symmetric function. Journal of Global Optimization, 2013, 57, 1193-1212.	1.8	43
28	A neural network based modelling and sensitivity analysis of damage ratio coefficient. Expert Systems With Applications, 2011, 38, 13405-13413.	7.6	35
29	Solving the parameter identification problem of mathematical models using genetic algorithms. Applied Mathematics and Computation, 2004, 153, 651-658.	2.2	45
30	Experimental investigations of a direct adaptive neurofuzzy controller. , 0, , .		1
31	Global Localization Based on 3D Planar Surface Segments Detected by a 3D Camera. , 0, , .		4