# Emmanuel Karlo Nyarko

List of Publications by Year
in descending order

| | | | |
|---|---|---|---|
| 31<br>papers | 670<br>citations | 623734<br>14<br>h-index | 580821<br>25<br>g-index |
| 31<br>all docs | 31<br>docs citations | 31<br>times ranked | 702<br>citing authors |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 1 | Flood-routing modeling with neural network optimized by social-based algorithm. Natural Hazards, 2016, 82, 1-24. | 3.4 | 78 |
| 2 | Modeling daily water temperature for rivers: comparison between adaptive neuro-fuzzy inference systems and artificial neural networks models. Environmental Science and Pollution Research, 2019, 26, 402-420. | 5.3 | 77 |
| 3 | Modelling daily water temperature from air temperature for the Missouri River. PeerJ, 2018, 6, e4894. | 2.0 | 62 |
| 4 | Modelling the Influence of Waste Rubber on Compressive Strength of Concrete by Artificial Neural Networks. Materials, 2019, 12, 561. | 2.9 | 46 |
| 5 | Solving the parameter identification problem of mathematical models using genetic algorithms. Applied Mathematics and Computation, 2004, 153, 651-658. | 2.2 | 45 |
| 6 | 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 |
| 7 | 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 |
| 8 | A neural network based modelling and sensitivity analysis of damage ratio coefficient. Expert Systems With Applications, 2011, 38, 13405-13413. | 7.6 | 35 |
| 9 | Assessing the performance of a suite of machine learning models for daily river water temperature prediction. PeerJ, 2019, 7, e7065. | 2.0 | 35 |
| 10 | Modeling of Compressive Strength of Self-Compacting Rubberized Concrete Using Machine Learning. Materials, 2021, 14, 4346. | 2.9 | 31 |
| 11 | Determining the Natural Frequency of Cantilever Beams Using ANN and Heuristic Search. Applied Artificial Intelligence, 2018, 32, 309-334. | 3.2 | 25 |
| 12 | Machine learning approaches for estimation of compressive strength of concrete. European Physical Journal Plus, 2020, 135, 1. | 2.6 | 24 |
| 13 | Wound measurement by RGB-D camera. Machine Vision and Applications, 2018, 29, 633-654. | 2.7 | 20 |
| 14 | Place recognition based on matching of planar surfaces and line segments. International Journal of Robotics Research, 2015, 34, 674-704. | 8.5 | 19 |
| 15 | Detection, Reconstruction and Segmentation of Chronic Wounds Using Kinect v2 Sensor. Procedia Computer Science, 2016, 90, 151-156. | 2.0 | 14 |
| 16 | Determining the Optimal Location and Number of Voltage Dip Monitoring Devices Using the Binary Bat Algorithm. Energies, 2021, 14, 255. | 3.1 | 10 |
| 17 | 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 |
| 18 | Optimization of Public Transport Services to Minimize Passengers' Waiting Times and Maximize Vehicles' Occupancy Ratios. Electronics (Switzerland), 2020, 9, 360. | 3.1 | 8 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 19 | 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 |
| 20 | Wound detection and reconstruction using RGB-D camera. , 2016, , . | | 6 |
| 21 | Wound Detection by Simple Feedforward Neural Network. Electronics (Switzerland), 2022, 11, 329. | 3.1 | 6 |
| 22 | 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 |
| 23 | Automatic Robot-Driven 3D Reconstruction System for Chronic Wounds. Sensors, 2021, 21, 8308. | 3.8 | 5 |
| 24 | Global Localization Based on 3D Planar Surface Segments Detected by a 3D Camera. , 0, , . | | 4 |
| 25 | Short-Term Forecasting of Electricity Consumption Using Artificial Neural Networks - an Overview. , 2019, , . | | 3 |
| 26 | Second-order supercapacitor model and its parameter extraction. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2020, 33, e2727. | 1.9 | 3 |
| 27 | 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 |
| 28 | Experimental investigations of a direct adaptive neurofuzzy controller. , 0, , . | | 1 |
| 29 | Complementing Digital Image Analysis and Laser Distance Meter in Beer Foam Stability Determination. Fermentation, 2021, 7, 113. | 3.0 | 1 |
| 30 | Place Recognition Based on Planar Surfaces Using Multiple RGB-D Images Taken From the same Position. , 2019, , . | | 0 |
| 31 | Statistical estimation of the object's area from the image contaminated with additive noise. , 2020, , . | | 0 |