Mohamed Arselene Ayari

List of Publications by Year
in descending order

16 papers	659 citations	840119 11 h-index	940134 16 g-index
16 all docs	**16** docs citations	**16** times ranked	**294** citing authors

#	Article	IF	Citations
1	Reliable Tuberculosis Detection Using Chest X-Ray With Deep Learning, Segmentation and Visualization. IEEE Access, 2020, 8, 191586-191601.	2.6	243
2	Automatic and Reliable Leaf Disease Detection Using Deep Learning Techniques. AgriEngineering, 2021, 3, 294-312.	1.7	115
3	Detection and Severity Classification of COVID-19 in CT Images Using Deep Learning. Diagnostics, 2021, 11, 893.	1.3	78
4	Perspectives on food waste management: Prevention and social innovations. Sustainable Production and Consumption, 2022, 31, 190-208.	5.7	44
5	A Shallow U-Net Architecture for Reliably Predicting Blood Pressure (BP) from Photoplethysmogram (PPG) and Electrocardiogram (ECG) Signals. Sensors, 2022, 22, 919.	2.1	30
6	Estimating the Relative Crystallinity of Biodegradable Polylactic Acid and Polyglycolide Polymer Composites by Machine Learning Methodologies. Polymers, 2022, 14, 527.	2.0	30
7	Case Study to Analyze the Impact of Multi-Course Project-Based Learning Approach on Education for Sustainable Development. Sustainability, 2020, 12, 480.	1.6	25
8	A Novel Machine Learning Approach for Severity Classification of Diabetic Foot Complications Using Thermogram Images. Sensors, 2022, 22, 4249.	2.1	18
9	Examining engineering students' perceptions of learner agency enactment in problem€and project€based learning using Q methodology. Journal of Engineering Education, 2022, 111, 111-136.	1.9	16
10	Brain MR Image Enhancement for Tumor Segmentation Using 3D U-Net. Sensors, 2021, 21, 7528.	2.1	16
11	Thermal Change Index-Based Diabetic Foot Thermogram Image Classification Using Machine Learning Techniques. Sensors, 2022, 22, 1793.	2.1	15
12	QUCoughScope: An Intelligent Application to Detect COVID-19 Patients Using Cough and Breath Sounds. Diagnostics, 2022, 12, 920.	1.3	13
13	Enhancing the electrocoagulation process for harvesting marine microalgae (Tetraselmis sp.) using interdigitated electrodes. Journal of Environmental Management, 2021, 292, 112761.	3.8	7
14	Robust and General Model to Forecast the Heat Transfer Coefficient for Flow Condensation in Multi Port Mini/Micro-Channels. Processes, 2022, 10, 243.	1.3	6
15	Fuzzy Logic-Based Model to Predict the Impact of Flow Rate and Turbidity on the Performance of Multimedia Filters. Journal of Environmental Engineering, ASCE, 2017, 143, .	0.7	2
16	Enabling Open Innovation in Digital Startups through the Incubation Program€"A Case of Qatar. Sustainability, 2022, 14, 6557.	1.6	1