Francesco Beritelli

List of Publications by Year
in descending order

18 papers	276 citations	1163117 8 h-index	1474206 9 g-index
18 all docs	18 docs citations	18 times ranked	247 citing authors

#	Article	IF	Citations
1	Automatic ECG Diagnosis Using Convolutional Neural Network. Electronics (Switzerland), 2020, 9, 951.	3.1	67
2	Automatic heart activity diagnosis based on Gram polynomials and probabilistic neural networks. Biomedical Engineering Letters, 2018, 8, 77-85.	4.1	43
3	Rainfall Estimation Based on the Intensity of the Received Signal in a LTE/4G Mobile Terminal by Using a Probabilistic Neural Network. IEEE Access, 2018, 6, 30865-30873.	4.2	40
4	A novel training method to preserve generalization of RBPNN classifiers applied to ECG signals diagnosis. Neural Networks, 2018, 108, 331-338.	5.9	38
5	Heart Sound Multiclass Analysis Based on Raw Data and Convolutional Neural Network. , 2020, 4, 1-4.		18
6	An Innovative Acoustic Rain Gauge Based on Convolutional Neural Networks. Information (Switzerland), 2020, 11, 183.	2.9	18
7	A Convolutional Neural Networks Approach to Audio Classification for Rainfall Estimation. , 2019, , .		14
8	An Innovative Technique for Identification of Missing Persons in Natural Disaster Based on Drone-Femtocell Systems. Sensors, 2019, 19, 4547.	3.8	11
9	Hydrogeological Risk Management in Smart Cities: A New Approach to Rainfall Classification Based on LTE Cell Selection Parameters. IEEE Access, 2020, 8, 137161-137173.	4.2	10
10	A Smart UAV-Femtocell Data Sensing System for Post-Earthquake Localization of People. IEEE Access, 2020, 8, 30262-30270.	4.2	10
11	A CNN-based Differential Image Processing Approach for Rainfall Classification. Advances in Science, Technology and Engineering Systems, 2020, 5, 438-444.	0.5	5
12	Optimization of UAV-Femtocell Systems Positioning via Game Theory to Geolocate Mobile Terminals in a Post-Earthquake Scenario. , 2021, , .		1
13	Soil Moisture Estimation based on the RSSI of RFID Modules. , 2021, , .		1
14	Poster: Real-time rainfall estimation based on LTE vehicular communications for road safety applications. , 2017, , .		0
15	Car Social Network: Contact a Driver Through the License Plate. , 2021, , .		0
16	PER-COVID (PEople pRoximity based on Certified and coOperative VIDeo-intelligence): A Software Tool for Physical Distancing and PPE Monitoring. , 2021, , .		0
17	A CNN-based Audio Sensor for Rainfall Estimation: Implementation on Embedded Board. , 2021, , .		0
18	Enhancing Perceptual Experience of Video Quality in Drone Communications by Using VPN Bonding. IEEE Embedded Systems Letters, 2023, 15, 1-4.	1.9	0