# Valerio Freschi

List of Publications by Year
in descending order

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|---|---|---|---|
| 30 papers | 318 citations | 840776<br>11 h-index | 888059<br>17 g-index |
| 30 all docs | 30 docs citations | 30 times ranked | 278 citing authors |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | Exploring Artificial Neural Networks Efficiency in Tiny Wearable Devices for Human Activity Recognition. Sensors, 2022, 22, 2637. | 3.8 | 15 |
| 2 | A Primâ€"Dijkstra Algorithm for Multihop Calibration of Networked Embedded Systems. IEEE Internet of Things Journal, 2021, 8, 11320-11328. | 8.7 | 11 |
| 3 | Machine Learning Techniques to Identify Unsafe Driving Behavior by Means of In-Vehicle Sensor Data. Expert Systems With Applications, 2021, 176, 114818. | 7.6 | 26 |
| 4 | Decentralising the Internet of Medical Things with Distributed Ledger Technologies and Off-Chain Storages: A Proof of Concept. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2021, , 80-90. | 0.3 | 3 |
| 5 | Experimental evaluation of the impact of packet length on wireless sensor networks subject to interference. Computer Networks, 2020, 167, 106986. | 5.1 | 3 |
| 6 | Improving Machine Learning Identification of Unsafe Driver Behavior by Means of Sensor Fusion. Applied Sciences (Switzerland), 2020, 10, 6417. | 2.5 | 13 |
| 7 | Standing Balance Assessment by Measurement of Body Center of Gravity Using Smartphones. IEEE Access, 2020, 8, 96438-96448. | 4.2 | 2 |
| 8 | Evaluation of human standing balance using wearable inertial sensors: A machine learning approach. Engineering Applications of Artificial Intelligence, 2020, 94, 103812. | 8.1 | 23 |
| 9 | A Review on Blockchain for the Internet of Medical Things: Definitions, Challenges, Applications, and Vision. Future Internet, 2020, 12, 208. | 3.8 | 31 |
| 10 | A Hardware Compensation Mechanism for Embedded Energy Harvesting Emulation. IEEE Embedded Systems Letters, 2019, 11, 25-28. | 1.9 | 1 |
| 11 | In-Band Controllable Radio Interference Generation for Wireless Sensor Networks. IEEE Access, 2019, 7, 66955-66963. | 4.2 | 1 |
| 12 | On the Stability of a Hardware Compensation Mechanism for Embedded Energy Harvesting Emulators. Computers, 2019, 8, 78. | 3.3 | 0 |
| 13 | A Study on the Impact of Packet Length on Communication in Low Power Wireless Sensor Networks Under Interference. IEEE Internet of Things Journal, 2019, 6, 3820-3830. | 8.7 | 21 |
| 14 | A Scalable Multitasking Wireless Sensor Network Testbed for Monitoring Indoor Human Comfort. IEEE Access, 2018, 6, 17952-17967. | 4.2 | 8 |
| 15 | Bootstrap Based Uncertainty Propagation for Data Quality Estimation in Crowdsensing Systems. IEEE Access, 2017, 5, 1146-1155. | 4.2 | 22 |
| 16 | Fast Distributed Consensus Through Path Averaging on Random Walks. Wireless Personal Communications, 2017, 96, 5865-5879. | 2.7 | 2 |
| 17 | A fast and accurate energy source emulator for wireless sensor networks. Eurasip Journal on Embedded Systems, 2017, 2016, . | 1.2 | 7 |
| 18 | A Study on the Influence of Speed on Road Roughness Sensing: The SmartRoadSense Case. Sensors, 2017, 17, 305. | 3.8 | 48 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 19 | Tuning the Complexity of Photovoltaic Array Models to Meet Real-time Constraints of Embedded Energy Emulators. Energies, 2017, 10, 278. | 3.1 | 5 |
| 20 | A two-prong approach to energy-efficient WSNs: Wake-up receivers plus dedicated, model-based sensing. Ad Hoc Networks, 2016, 45, 1-12. | 5.5 | 15 |
| 21 | Accelerating distributed averaging in sensor networks: Randomized gossip over virtual coordinates. , 2016, , . | | 2 |
| 22 | Use of Chebyshev Polynomial Kalman Filter for pseudo-blind demodulation of CD3S signals. International Journal of Control, Automation and Systems, 2015, 13, 1193-1200. | 2.7 | 1 |
| 23 | Randomized Gossip With Power of Two Choices for Energy Aware Distributed Averaging. IEEE Communications Letters, 2015, 19, 1410-1413. | 4.1 | 2 |
| 24 | Supporting Preemptive Multitasking in Wireless Sensor Networks. International Journal of Distributed Sensor Networks, 2014, 10, 814510. | 2.2 | 5 |
| 25 | Idleness as a resource in energy-neutral WSNs. , 2013, , . | | 8 |
| 26 | Genome-wide computational approach for the prediction of duplications generating protein localization signals. Computers in Biology and Medicine, 2012, 42, 1091-1097. | 7.0 | 0 |
| 27 | Improved Biological Network Reconstruction Using Graph Laplacian Regularization. Journal of Computational Biology, 2011, 18, 987-996. | 1.6 | 3 |
| 28 | A faster algorithm for the computation of string convolutions using LZ78 parsing. Information Processing Letters, 2010, 110, 609-613. | 0.6 | 6 |
| 29 | Longest common subsequence between run-length-encoded strings: aÂnew algorithm with improved parallelism. Information Processing Letters, 2004, 90, 167-173. | 0.6 | 34 |
| 30 | Evaluation of a sampling approach for computationally efficient uncertainty quantification in regression learning models. Neural Computing and Applications, 0, , . | 5.6 | 0 |