

Valerio Freschi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/647004/publications.pdf>

Version: 2024-02-01

30
papers

318
citations

840776

11
h-index

888059

17
g-index

30
all docs

30
docs citations

30
times ranked

278
citing authors

#	ARTICLE	IF	CITATIONS
1	A Study on the Influence of Speed on Road Roughness Sensing: The SmartRoadSense Case. Sensors, 2017, 17, 305.	3.8	48
2	Longest common subsequence between run-length-encoded strings: a new algorithm with improved parallelism. Information Processing Letters, 2004, 90, 167-173.	0.6	34
3	A Review on Blockchain for the Internet of Medical Things: Definitions, Challenges, Applications, and Vision. Future Internet, 2020, 12, 208.	3.8	31
4	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
5	Evaluation of human standing balance using wearable inertial sensors: A machine learning approach. Engineering Applications of Artificial Intelligence, 2020, 94, 103812.	8.1	23
6	Bootstrap Based Uncertainty Propagation for Data Quality Estimation in Crowdsensing Systems. IEEE Access, 2017, 5, 1146-1155.	4.2	22
7	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
8	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
9	Exploring Artificial Neural Networks Efficiency in Tiny Wearable Devices for Human Activity Recognition. Sensors, 2022, 22, 2637.	3.8	15
10	Improving Machine Learning Identification of Unsafe Driver Behavior by Means of Sensor Fusion. Applied Sciences (Switzerland), 2020, 10, 6417.	2.5	13
11	A Primarily Dijkstra Algorithm for Multihop Calibration of Networked Embedded Systems. IEEE Internet of Things Journal, 2021, 8, 11320-11328.	8.7	11
12	Idleness as a resource in energy-neutral WSNs. , 2013, , .		8
13	A Scalable Multitasking Wireless Sensor Network Testbed for Monitoring Indoor Human Comfort. IEEE Access, 2018, 6, 17952-17967.	4.2	8
14	A fast and accurate energy source emulator for wireless sensor networks. Eurasip Journal on Embedded Systems, 2017, 2016, .	1.2	7
15	A faster algorithm for the computation of string convolutions using LZ78 parsing. Information Processing Letters, 2010, 110, 609-613.	0.6	6
16	Supporting Preemptive Multitasking in Wireless Sensor Networks. International Journal of Distributed Sensor Networks, 2014, 10, 814510.	2.2	5
17	Tuning the Complexity of Photovoltaic Array Models to Meet Real-time Constraints of Embedded Energy Emulators. Energies, 2017, 10, 278.	3.1	5
18	Improved Biological Network Reconstruction Using Graph Laplacian Regularization. Journal of Computational Biology, 2011, 18, 987-996.	1.6	3

#	ARTICLE	IF	CITATIONS
19	Experimental evaluation of the impact of packet length on wireless sensor networks subject to interference. <i>Computer Networks</i> , 2020, 167, 106986.	5.1	3
20	Decentralising the Internet of Medical Things with Distributed Ledger Technologies and Off-Chain Storages: A Proof of Concept. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2021, , 80-90.	0.3	3
21	Randomized Gossip With Power of Two Choices for Energy Aware Distributed Averaging. <i>IEEE Communications Letters</i> , 2015, 19, 1410-1413.	4.1	2
22	Accelerating distributed averaging in sensor networks: Randomized gossip over virtual coordinates. , 2016, , .		2
23	Fast Distributed Consensus Through Path Averaging on Random Walks. <i>Wireless Personal Communications</i> , 2017, 96, 5865-5879.	2.7	2
24	Standing Balance Assessment by Measurement of Body Center of Gravity Using Smartphones. <i>IEEE Access</i> , 2020, 8, 96438-96448.	4.2	2
25	Use of Chebyshev Polynomial Kalman Filter for pseudo-blind demodulation of CD3S signals. <i>International Journal of Control, Automation and Systems</i> , 2015, 13, 1193-1200.	2.7	1
26	A Hardware Compensation Mechanism for Embedded Energy Harvesting Emulation. <i>IEEE Embedded Systems Letters</i> , 2019, 11, 25-28.	1.9	1
27	In-Band Controllable Radio Interference Generation for Wireless Sensor Networks. <i>IEEE Access</i> , 2019, 7, 66955-66963.	4.2	1
28	Genome-wide computational approach for the prediction of duplications generating protein localization signals. <i>Computers in Biology and Medicine</i> , 2012, 42, 1091-1097.	7.0	0
29	On the Stability of a Hardware Compensation Mechanism for Embedded Energy Harvesting Emulators. <i>Computers</i> , 2019, 8, 78.	3.3	0
30	Evaluation of a sampling approach for computationally efficient uncertainty quantification in regression learning models. <i>Neural Computing and Applications</i> , 0, , .	5.6	0