Juan Cota-Ruiz

List of Publications by Year
in descending order

13 papers	**187** citations	1307594 **7** h-index	1199594 **12** g-index
13 all docs	**13** docs citations	**13** times ranked	**216** citing authors

#	Article	IF	Citations
1	A Weighted and Distributed Algorithm for Range-Based Multi-Hop Localization Using a Newton Method. Sensors, 2021, 21, 2324.	3.8	1
2	A Fully Differential Synchronous Demodulator for AC Signals. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 35-44.	4.7	14
3	A weighted and distributed algorithm for multi-hop localization. International Journal of Distributed Sensor Networks, 2019, 15, 155014771986041.	2.2	4
4	Seat Occupancy Detection Based on a Low-Power Microcontroller and a Single FSR. Sensors, 2019, 19, 699.	3.8	14
5	Modeling the control of the central nervous system over the cardiovascular system using support vector machines. Computers in Biology and Medicine, 2018, 93, 75-83.	7.0	3
6	Microcontroller-Based Seat Occupancy Detection and Classification. Proceedings (mdpi), 2018, 2, 1040.	0.2	3
7	Measuring Dynamic Signals with Direct Sensor-to-Microcontroller Interfaces Applied to a Magnetoresistive Sensor. Sensors, 2017, 17, 1150.	3.8	14
8	A distributed adaptive local searching algorithm for wireless sensor network localization. International Journal of Distributed Sensor Networks, 2016, 12, 155014771666962.	2.2	0
9	A Recursive Shortest Path Routing Algorithm With Application for Wireless Sensor Network Localization. IEEE Sensors Journal, 2016, 16, 4631-4637.	4.7	43
10	A nonlinear least squares quasi-Newton strategy for LP-SVR hyper-parameters selection. International Journal of Machine Learning and Cybernetics, 2014, 5, 579-597.	3.6	7
11	An algorithm for training a large scale support vector machine for regression based on linear programming and decomposition methods. Pattern Recognition Letters, 2013, 34, 439-451.	4.2	17
12	A Distributed Localization Algorithm for Wireless Sensor Networks Based on the Solutions of Spatially-Constrained Local Problems. IEEE Sensors Journal, 2013, 13, 2181-2191.	4.7	34
13	A Low-Complexity Geometric Bilateration Method for Localization in Wireless Sensor Networks and Its Comparison with Least-Squares Methods. Sensors, 2012, 12, 839-862.	3.8	33