

Ernesto Sifuentes

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

342
citations

1307594

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1058476

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g-index

18
all docs

18
docs citations

18
times ranked

417
citing authors

#	ARTICLE	IF	CITATIONS
1	Wireless Magnetic Sensor Node for Vehicle Detection With Optical Wake-Up. IEEE Sensors Journal, 2011, 11, 1669-1676.	4.7	132
2	Direct interface circuit to linearise resistive sensor bridges. Sensors and Actuators A: Physical, 2008, 147, 210-215.	4.1	48
3	A Recursive Shortest Path Routing Algorithm With Application for Wireless Sensor Network Localization. IEEE Sensors Journal, 2016, 16, 4631-4637.	4.7	43
4	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
5	A Low-Complexity Geometric Bilateralization Method for Localization in Wireless Sensor Networks and Its Comparison with Least-Squares Methods. Sensors, 2012, 12, 839-862.	3.8	33
6	Measuring Dynamic Signals with Direct Sensor-to-Microcontroller Interfaces Applied to a Magnetoresistive Sensor. Sensors, 2017, 17, 1150.	3.8	14
7	Seat Occupancy Detection Based on a Low-Power Microcontroller and a Single FSR. Sensors, 2019, 19, 699.	3.8	14
8	High Signal-to-Noise Ratio Phonocardiogram using a Shielded PVDF Film Sensor. IEEE Latin America Transactions, 2016, 14, 1139-1145.	1.6	5
9	A weighted and distributed algorithm for multi-hop localization. International Journal of Distributed Sensor Networks, 2019, 15, 155014771986041.	2.2	4
10	A Power-Efficient Sensing Approach for Pulse Wave Palpation-Based Heart Rate Measurement. Sensors, 2021, 21, 7549.	3.8	4
11	Improving the performance of direct interface circuits using the Vernier technique. , 2009, , .		3
12	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
13	Microcontroller-Based Seat Occupancy Detection and Classification. Proceedings (mdpi), 2018, 2, 1040.	0.2	3
14	Uso de MinerÃa de Datos en el manejo de InformaciÃn GeogrÃfica. Informacion Tecnologica (discontinued), 2014, 25, 95-102.	0.3	1
15	A Weighted and Distributed Algorithm for Range-Based Multi-Hop Localization Using a Newton Method. Sensors, 2021, 21, 2324.	3.8	1
16	Sistema Embebido para Validar el Funcionamiento de la Tarjeta de AdquisiciÃn de Datos USB-6009 de National Instruments. Informacion Tecnologica (discontinued), 2016, 27, 191-200.	0.3	0
17	A distributed adaptive local searching algorithm for wireless sensor network localization. International Journal of Distributed Sensor Networks, 2016, 12, 155014771666962.	2.2	0
18	Energy Harvesting from Fingers Motions Using a Wearable System: An Experimental Analysis. IFMBE Proceedings, 2020, , 866-873.	0.3	0