Luis Enrique Diez

List of Publications by Year
in descending order

22 papers	400 citations	840776 11 h-index	996975 15 g-index
23 all docs	23 docs citations	23 times ranked	437 citing authors

#	ARTICLE	IF	CITATIONS
1	A Survey of Train Positioning Solutions. IEEE Sensors Journal, 2017, 17, 6788-6797.	4.7	82
2	Step Length Estimation Methods Based on Inertial Sensors: A Review. IEEE Sensors Journal, 2018, 18, 6908-6926.	4.7	62
3	Evaluation of Experimental GNSS and 10-DOF MEMS IMU Measurements for Train Positioning. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 269-279.	4.7	47
4	Impact of Body Wearable Sensor Positions on UWB Ranging. IEEE Sensors Journal, 2019, 19, 11449-11457.	4.7	31
5	Towards Sub-Meter Level UWB Indoor Localization Using Body Wearable Sensors. IEEE Access, 2020, 8, 178886-178899.	4.2	26
6	FDTD and Empirical Exploration of Human Body and UWB Radiation Interaction on TOF Ranging. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 1119-1123.	4.0	24
7	Effects of the Body Wearable Sensor Position on the UWB Localization Accuracy. Electronics (Switzerland), 2019, 8, 1351.	3.1	21
8	Conditional Random Field-Based Offline Map Matching for Indoor Environments. Sensors, 2016, 16, 1302.	3.8	14
9	A Survey on Test and Evaluation Methodologies of Pedestrian Localization Systems. IEEE Sensors Journal, 2020, 20, 479-491.	4.7	13
10	Performance Evaluation of Different Grade IMUs for Diagnosis Applications in Land Vehicular Multi-Sensor Architectures. IEEE Sensors Journal, 2021, 21, 2658-2668.	4.7	13
11	A Survey of Machine Learning in Pedestrian Localization Systems: Applications, Open Issues and Challenges. IEEE Access, 2021, 9, 120138-120157.	4.2	13
12	Performance comparison of wearable-based pedestrian navigation systems in large areas. , 2017, , .		9
13	Simulation Framework for Testing Train Navigation Algorithms Based on 9-DOF-IMU and Tachometers. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 5260-5273.	4.7	8
14	Signal processing requirements for step detection using wrist-worn IMU. , 2015, , .		6
15	Suitability Analysis of Wrist-Worn Sensors for Implementing Pedestrian Dead Reckoning Systems. IEEE Sensors Journal, 2018, 18, 5098-5114.	4.7	6
16	A 3D Ray Launching Time-Frequency Channel Modeling Approach for UWB Ranging Applications. IEEE Access, 2020, 8, 97321-97334.	4.2	5
17	Enhancing Improved Heuristic Drift Elimination for Wrist-Worn PDR Systems in Buildings. , 2016, , .		4
18	Enhancing improved heuristic drift elimination for step-and-heading based pedestrian dead-reckoning systems. , 2016, 2016, 4415-4418.		4

#	Article	IF	Citations
19	Step Length Estimation Using UWB Technology: A Preliminary Evaluation. , 2018, , .		4
20	A New Approach for Information Dissemination in VANETs Based on Covering Location and Metaheuristics. Studies in Fuzziness and Soft Computing, 2018, , 179-202.	0.8	4
21	Using of behavioral information for enhancing Conditional Random Field-based map matching. , 2017, , .		2
22	BLUE Care: A Cooperative Location Network for Handicapped Persons. Procedia Engineering, 2017, 178, 67-75.	1.2	0