Haiyu Lan

List of Publications by Year
in descending order

20 papers	692 citations	840776 11 h-index	996975 15 g-index
20 all docs	20 docs citations	20 times ranked	715 citing authors

#	ARTICLE	IF	CITATIONS
1	An improved inertial/wifi/magnetic fusion structure for indoor navigation. Information Fusion, 2017, 34, 101-119.	19.1	111
2	PDR/INS/WiFi Integration Based on Handheld Devices for Indoor Pedestrian Navigation. Micromachines, 2015, 6, 793-812.	2.9	98
3	A Hybrid WiFi/Magnetic Matching/PDR Approach for Indoor Navigation With Smartphone Sensors. IEEE Communications Letters, 2016, 20, 169-172.	4.1	86
4	Wireless Access Point Localization Using Nonlinear Least Squares and Multi-Level Quality Control. IEEE Wireless Communications Letters, 2015, 4, 693-696.	5.0	79
5	WiFi-Aided Magnetic Matching for Indoor Navigation with Consumer Portable Devices. Micromachines, 2015, 6, 747-764.	2.9	58
6	Self-Contained Indoor Pedestrian Navigation Using Smartphone Sensors and Magnetic Features. IEEE Sensors Journal, 2016, 16, 7173-7182.	4.7	46
7	Map-Based Indoor Pedestrian Navigation Using an Auxiliary Particle Filter. Micromachines, 2017, 8, 225.	2.9	45
8	A Robust Self-Alignment Method for Ship's Strapdown INS Under Mooring Conditions. Sensors, 2013, 13, 8103-8139.	3.8	38
9	A Map/INS/Wi-Fi Integrated System for Indoor Location-Based Service Applications. Sensors, 2017, 17, 1272.	3.8	32
10	A Novel Kalman Filter with State Constraint Approach for the Integration of Multiple Pedestrian Navigation Systems. Micromachines, 2015, 6, 926-952.	2.9	27
11	A Profile-Matching Method for Wireless Positioning. IEEE Communications Letters, 2016, 20, 2514-2517.	4.1	23
12	Real-time indoor navigation using smartphone sensors. , 2015, , .		16
13	A modularized real-time indoor navigation algorithm on smartphones. , 2015, , .		7
14	Instantaneous Observability of Tightly Coupled SINS/GPS during Maneuvers. Sensors, 2016, 16, 765.	3.8	6
15	Real-time attitude tracking of mobile devices. , 2015, , .		5
16	Indoor Map Aiding/Map Matching Smartphone Navigation Using Auxiliary Particle Filter. Lecture Notes in Electrical Engineering, 2016, , 321-331.	0.4	5
17	Time-varying parameters based gyrocompass Alignment for marine SINS with large heading misalignment. , 2014, , .		4
18	Design and Algorithm Verification of a Gyroscope-Based Inertial Navigation System for Small-Diameter Spaces in Multilateral Horizontal Drilling Applications. Micromachines, 2015, 6, 1946-1970.	2.9	4

#	Article	IF	Citations
19	An Improved Gyrocompass Alignment Method for Large Azimuth Misalignment. Mathematical Problems in Engineering, 2015, 2015, 1-12.	1.1	2
20	An efficient method for evaluating the performance of integrated multiple pedestrian navigation systems. , 2015, , .		0