Jian Kuang

List of Publications by Year in descending order

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16	476	687363 13	940533 16
papers	citations	h-index	g-index

16	16	16	434
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Magnetometer Bias Insensitive Magnetic Field Matching Based on Pedestrian Dead Reckoning for Smartphone Indoor Positioning. IEEE Sensors Journal, 2022, 22, 4790-4799.	4.7	14
2	Pedestrian Trajectory Estimation Based on Foot-Mounted Inertial Navigation System for Multistory Buildings in Postprocessing Mode. IEEE Internet of Things Journal, 2022, 9, 6879-6892.	8.7	16
3	Off-Line Evaluation of Indoor Positioning Systems in Different Scenarios: The Experiences From IPIN 2020 Competition. IEEE Sensors Journal, 2022, 22, 5011-5054.	4.7	35
4	Magnetic Field-Enhanced Learning-Based Inertial Odometry for Indoor Pedestrian. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-13.	4.7	8
5	Doppler Shift Mitigation in Acoustic Positioning Based on Pedestrian Dead Reckoning for Smartphone. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-11.	4.7	16
6	A Simple Positioning System for Large-Scale Indoor Patrol Inspection Using Foot-Mounted INS, QR Code Control Points, and Smartphone. IEEE Sensors Journal, 2021, 21, 4938-4948.	4.7	20
7	A Novel Position and Orientation System for Pedestrian Indoor Mobile Mapping System. IEEE Sensors Journal, 2021, 21, 2104-2114.	4.7	21
8	Wheel-INS: A Wheel-Mounted MEMS IMU-Based Dead Reckoning System. IEEE Transactions on Vehicular Technology, 2021, 70, 9814-9825.	6.3	14
9	A Comparison of Three Measurement Models for the Wheel-Mounted MEMS IMU-Based Dead Reckoning System. IEEE Transactions on Vehicular Technology, 2021, 70, 11193-11203.	6.3	14
10	A High-Accuracy Indoor Localization System and Applications Based on Tightly Coupled UWB/INS/Floor Map Integration. IEEE Sensors Journal, 2021, 21, 18166-18177.	4.7	38
11	An Efficient and Robust Indoor Magnetic Field Matching Positioning Solution Based on Consumer-Grade IMUs for Smartphones. Lecture Notes in Electrical Engineering, 2021, , 535-545.	0.4	1
12	IMU Mounting Angle Calibration for Pipeline Surveying Apparatus. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 1765-1774.	4.7	28
13	Evaluating Indoor Positioning Systems in a Shopping Mall: The Lessons Learned From the IPIN 2018 Competition. IEEE Access, 2019, 7, 148594-148628.	4.2	60
14	Data Fusion of Dual Foot-Mounted IMU for Pedestrian Navigation. IEEE Sensors Journal, 2019, 19, 4577-4584.	4.7	55
15	Indoor Positioning Based on Pedestrian Dead Reckoning and Magnetic Field Matching for Smartphones. Sensors, 2018, 18, 4142.	3.8	35
16	Robust Pedestrian Dead Reckoning Based on MEMS-IMU for Smartphones. Sensors, 2018, 18, 1391.	3.8	101