You Li

List of Publications by Year
in descending order

73 papers	2,752 citations	201674 27 h-index	182427 51 g-index
74 all docs	74 docs citations	74 times ranked	2584 citing authors

#	Article	IF	Citations
1	Inertial Sensing Meets Machine Learning: Opportunity or Challenge?. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 9995-10011.	8.0	19
2	RSS-Based Visible Light Positioning Using Nonlinear Optimization. IEEE Internet of Things Journal, 2022, 9, 14137-14150.	8.7	22
3	OdoNet: Untethered Speed Aiding for Vehicle Navigation Without Hardware Wheeled Odometer. IEEE Sensors Journal, 2022, 22, 12197-12208.	4.7	13
4	Toward Location-Enabled IoT (LE-IoT): IoT Positioning Techniques, Error Sources, and Error Mitigation. IEEE Internet of Things Journal, 2021, 8, 4035-4062.	8.7	91
5	Indoor navigation: state of the art and future trends. Satellite Navigation, 2021, 2, .	8.6	96
6	A survey on indoor 3D modeling and applications via RGB-D devices. Frontiers of Information Technology and Electronic Engineering, 2021, 22, 815-826.	2.6	14
7	FusionVLP: The Fusion of Photodiode and Camera for Visible Light Positioning. IEEE Transactions on Vehicular Technology, 2021, 70, 11796-11811.	6.3	8
8	Modeling of multi-sensor tightly aided BDS triple-frequency precise point positioning and initial assessments. Information Fusion, 2020, 55, 184-198.	19.1	17
9	IVPR: An Instant Visual Place Recognition Approach Based on Structural Lines in Manhattan World. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 4173-4187.	4.7	13
10	Orientation-Aided Stochastic Magnetic Matching for Indoor Localization. IEEE Sensors Journal, 2020, 20, 1003-1010.	4.7	10
11	Cost-Effective Localization Using RSS From Single Wireless Access Point. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 1860-1870.	4.7	17
12	Deep Reinforcement Learning (DRL): Another Perspective for Unsupervised Wireless Localization. IEEE Internet of Things Journal, 2020, 7, 6279-6287.	8.7	68
13	Near Relation-Based Indoor Positioning Method under Sparse Wi-Fi Fingerprints. ISPRS International Journal of Geo-Information, 2020, 9, 714.	2.9	2
14	Indoors Positioning Based on Spatial Relationships in Locality Description. IEEE Access, 2020, 8, 34794-34809.	4.2	2
15	Navigation Engine Design for Automated Driving Using INS/GNSS/3D LiDAR-SLAM and Integrity Assessment. Remote Sensing, 2020, 12, 1564.	4.0	37
16	Distribution Characteristics of the Transportation Network in China at the County Level. IEEE Access, 2019, 7, 49251-49261.	4.2	11
17	The Integration of Photodiode and Camera for Visible Light Positioning by Using Fixed-Lag Ensemble Kalman Smoother. Remote Sensing, 2019, 11, 1387.	4.0	6
18	The Distribution Pattern of the Railway Network in China at the County Level. ISPRS International Journal of Geo-Information, 2019, 8, 336.	2.9	6

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19	Consistent ST-EKF for Long Distance Land Vehicle Navigation Based on SINS/OD Integration. IEEE Transactions on Vehicular Technology, 2019, 68, 10525-10534.	6.3	44
20	Robust Kalman Filter Aided GEO/IGSO/GPS Raw-PPP/INS Tight Integration. Sensors, 2019, 19, 417.	3.8	14
21	Fast and Automatic Reconstruction of Semantically Rich 3D Indoor Maps from Low-quality RGB-D Sequences. Sensors, 2019, 19, 533.	3.8	11
22	Simulation of the Separating Crowd Behavior in a T-Shaped Channel Based on the Social Force Model. IEEE Access, 2019, 7, 13668-13682.	4.2	16
23	Wireless Fingerprinting Uncertainty Prediction Based on Machine Learning. Sensors, 2019, 19, 324.	3.8	33
24	IMU/Magnetometer/Barometer/Mass-Flow Sensor Integrated Indoor Quadrotor UAV Localization with Robust Velocity Updates. Remote Sensing, 2019, 11, 838.	4.0	25
25	Research on Time-Correlated Errors Using Allan Variance in a Kalman Filter Applicable to Vector-Tracking-Based GNSS Software-Defined Receiver for Autonomous Ground Vehicle Navigation. Remote Sensing, 2019, 11, 1026.	4.0	12
26	Calibrating Multi-Channel RSS Observations for Localization Using Gaussian Process. IEEE Wireless Communications Letters, 2019, 8, 1116-1119.	5.0	12
27	Enhanced Wireless Localization Based on Orientation-Compensation Model and Differential Received Signal Strength. IEEE Sensors Journal, 2019, 19, 4201-4210.	4.7	10
28	Localization and Extraction of Road Poles in Urban Areas from Mobile Laser Scanning Data. Remote Sensing, 2019, 11, 401.	4.0	18
29	Pole-Like Street Furniture Segmentation and Classification in Mobile LiDAR Data by Integrating Multiple Shape-Descriptor Constraints. Remote Sensing, 2019, 11, 2920.	4.0	11
30	Toward Robust Crowdsourcing-Based Localization: A Fingerprinting Accuracy Indicator Enhanced Wireless/Magnetic/Inertial Integration Approach. IEEE Internet of Things Journal, 2019, 6, 3585-3600.	8.7	87
31	Enhanced Gaussian Process-Based Localization Using a Low Power Wide Area Network. IEEE Communications Letters, 2019, 23, 164-167.	4.1	15
32	Parametric/fingerprinting integrated angle and location estimation using RSS from single multiâ€antenna access point. Electronics Letters, 2019, 55, 563-565.	1.0	0
33	Odometer, low-cost inertial sensors, and four-GNSS data to enhance PPP and attitude determination. GPS Solutions, 2018, 22, 1.	4.3	23
34	A Pervasive Integration Platform of Low-Cost MEMS Sensors and Wireless Signals for Indoor Localization. IEEE Internet of Things Journal, 2018, 5, 4616-4631.	8.7	52
35	Railway irregularity measuring using Rauchâ€"Tungâ€"Striebel smoothed multi-sensors fusion system: quad-GNSS PPP, IMU, odometer, and track gauge. GPS Solutions, 2018, 22, 1.	4.3	34
36	A Localization Database Establishment Method Based on Crowdsourcing Inertial Sensor Data and Quality Assessment Criteria. IEEE Internet of Things Journal, 2018, 5, 4764-4777.	8.7	43

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37	A Multi-Type Features Method for Leg Detection in 2-D Laser Range Data. IEEE Sensors Journal, 2018, 18, 1675-1684.	4.7	16
38	Study on Population Distribution Pattern at the County Level of China. Sustainability, 2018, 10, 3598.	3.2	31
39	Towards Location Enhanced IoT: Characterization of LoRa Signal For Wide Area Localization. , 2018, , .		14
40	Multi-Sensor Multi-Floor 3D Localization With Robust Floor Detection. IEEE Access, 2018, 6, 76689-76699.	4.2	50
41	Evaluation on the impact of IMU grades on BDS + GPS PPP/INS tightly coupled integration. Advances in Space Research, 2017, 60, 1283-1299.	2.6	19
42	An improved inertial/wifi/magnetic fusion structure for indoor navigation. Information Fusion, 2017, 34, 101-119.	19.1	111
43	A Density-Based Clustering Method for Urban Scene Mobile Laser Scanning Data Segmentation. Remote Sensing, 2017, 9, 331.	4.0	21
44	An Improved RANSAC for 3D Point Cloud Plane Segmentation Based on Normal Distribution Transformation Cells. Remote Sensing, 2017, 9, 433.	4.0	167
45	Recognition and Reconstruction of Zebra Crossings on Roads from Mobile Laser Scanning Data. ISPRS International Journal of Geo-Information, 2016, 5, 125.	2.9	7
46	Smartphone-Based Indoor Localization with Bluetooth Low Energy Beacons. Sensors, 2016, 16, 596.	3.8	334
47	An IMU Evaluation Method Using a Signal Grafting Scheme. Sensors, 2016, 16, 854.	3.8	5
48	A method based on an adaptive radius cylinder model for detecting pole-like objects in mobile laser scanning data. Remote Sensing Letters, 2016, 7, 249-258.	1.4	25
49	A Two-Filter Integration of MEMS Sensors and WiFi Fingerprinting for Indoor Positioning. IEEE Sensors Journal, 2016, 16, 5125-5126.	4.7	59
50	A Profile-Matching Method for Wireless Positioning. IEEE Communications Letters, 2016, 20, 2514-2517.	4.1	23
51	Thermal Calibration Procedure and Thermal Characterisation of Low-cost Inertial Measurement Units. Journal of Navigation, 2016, 69, 373-390.	1.7	20
52	A dual growing method for the automatic extraction of individual trees from mobile laser scanning data. ISPRS Journal of Photogrammetry and Remote Sensing, 2016, 120, 37-52.	11.1	62
53	Self-Contained Indoor Pedestrian Navigation Using Smartphone Sensors and Magnetic Features. IEEE Sensors Journal, 2016, 16, 7173-7182.	4.7	46
54	A Hybrid WiFi/Magnetic Matching/PDR Approach for Indoor Navigation With Smartphone Sensors. IEEE Communications Letters, 2016, 20, 169-172.	4.1	86

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55	Evaluation of Two WiFi Positioning Systems Based on Autonomous Crowdsourcing of Handheld Devices for Indoor Navigation. IEEE Transactions on Mobile Computing, 2016, 15, 1982-1995.	5.8	152
56	An efficient method for evaluating the performance of integrated multiple pedestrian navigation systems. , 2015, , .		0
57	Collaborative WiFi Fingerprinting Using Sensor-Based Navigation on Smartphones. Sensors, 2015, 15, 17534-17557.	3.8	28
58	Using Inertial Sensors in Smartphones for Curriculum Experiments of Inertial Navigation Technology. Education Sciences, 2015, 5, 26-46.	2.6	9
59	WiFi-Aided Magnetic Matching for Indoor Navigation with Consumer Portable Devices. Micromachines, 2015, 6, 747-764.	2.9	58
60	PDR/INS/WiFi Integration Based on Handheld Devices for Indoor Pedestrian Navigation. Micromachines, 2015, 6, 793-812.	2.9	98
61	A Novel Kalman Filter with State Constraint Approach for the Integration of Multiple Pedestrian Navigation Systems. Micromachines, 2015, 6, 926-952.	2.9	27
62	An Adaptive Low-Cost GNSS/MEMS-IMU Tightly-Coupled Integration System with Aiding Measurement in a GNSS Signal-Challenged Environment. Sensors, 2015, 15, 23953-23982.	3.8	14
63	Real-time attitude tracking of mobile devices. , 2015, , .		5
64	A modularized real-time indoor navigation algorithm on smartphones. , 2015, , .		7
65	Real-time indoor navigation using smartphone sensors. , 2015, , .		16
66	Wireless Access Point Localization Using Nonlinear Least Squares and Multi-Level Quality Control. IEEE Wireless Communications Letters, 2015, 4, 693-696.	5.0	79
67	Autonomous Calibration of MEMS Gyros in Consumer Portable Devices. IEEE Sensors Journal, 2015, 15, 4062-4072.	4.7	76
68	The Impact of Vehicle Maneuvers on the Attitude Estimation of GNSS†‡†INS for Mobile Mapping. Journal of Applied Geodesy, 2015, 9, .	1.1	11
69	An automatic multi-level gyro calibration architecture for consumer portable devices. , 2014, , .		2
70	Fast Thermal Calibration of Low-Grade Inertial Sensors and Inertial Measurement Units. Sensors, 2013, 13, 12192-12217.	3.8	83
71	Using inertial sensors of iPhone 4 for car navigation. , 2012, , .		19
72	Simulation Analysis for the Influences of Vehicle Maneuvers to the Attitude Estimations of GNSS/INS Navigation Systems. Lecture Notes in Electrical Engineering, 2012, , 679-694.	0.4	2

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73	An *in situ* hand calibration method using a pseudo-observation scheme for low-end inertial measurement units. Measurement Science and Technology, 2012, 23, 105104.	2.6	57