

You Li

List of Publications by Year in descending order

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73
papers

2,752
citations

201674

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182427

51
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all docs

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docs citations

74
times ranked

2584
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Smartphone-Based Indoor Localization with Bluetooth Low Energy Beacons. <i>Sensors</i> , 2016, 16, 596. | 3.8 | 334 |
| 2 | An Improved RANSAC for 3D Point Cloud Plane Segmentation Based on Normal Distribution Transformation Cells. <i>Remote Sensing</i> , 2017, 9, 433. | 4.0 | 167 |
| 3 | Evaluation of Two WiFi Positioning Systems Based on Autonomous Crowdsourcing of Handheld Devices for Indoor Navigation. <i>IEEE Transactions on Mobile Computing</i> , 2016, 15, 1982-1995. | 5.8 | 152 |
| 4 | An improved inertial/wifi/magnetic fusion structure for indoor navigation. <i>Information Fusion</i> , 2017, 34, 101-119. | 19.1 | 111 |
| 5 | PDR/INS/WiFi Integration Based on Handheld Devices for Indoor Pedestrian Navigation. <i>Micromachines</i> , 2015, 6, 793-812. | 2.9 | 98 |
| 6 | Indoor navigation: state of the art and future trends. <i>Satellite Navigation</i> , 2021, 2, . | 8.6 | 96 |
| 7 | Toward Location-Enabled IoT (LE-IoT): IoT Positioning Techniques, Error Sources, and Error Mitigation. <i>IEEE Internet of Things Journal</i> , 2021, 8, 4035-4062. | 8.7 | 91 |
| 8 | Toward Robust Crowdsourcing-Based Localization: A Fingerprinting Accuracy Indicator Enhanced Wireless/Magnetic/Inertial Integration Approach. <i>IEEE Internet of Things Journal</i> , 2019, 6, 3585-3600. | 8.7 | 87 |
| 9 | A Hybrid WiFi/Magnetic Matching/PDR Approach for Indoor Navigation With Smartphone Sensors. <i>IEEE Communications Letters</i> , 2016, 20, 169-172. | 4.1 | 86 |
| 10 | Fast Thermal Calibration of Low-Grade Inertial Sensors and Inertial Measurement Units. <i>Sensors</i> , 2013, 13, 12192-12217. | 3.8 | 83 |
| 11 | Wireless Access Point Localization Using Nonlinear Least Squares and Multi-Level Quality Control. <i>IEEE Wireless Communications Letters</i> , 2015, 4, 693-696. | 5.0 | 79 |
| 12 | Autonomous Calibration of MEMS Gyros in Consumer Portable Devices. <i>IEEE Sensors Journal</i> , 2015, 15, 4062-4072. | 4.7 | 76 |
| 13 | Deep Reinforcement Learning (DRL): Another Perspective for Unsupervised Wireless Localization. <i>IEEE Internet of Things Journal</i> , 2020, 7, 6279-6287. | 8.7 | 68 |
| 14 | A dual growing method for the automatic extraction of individual trees from mobile laser scanning data. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2016, 120, 37-52. | 11.1 | 62 |
| 15 | A Two-Filter Integration of MEMS Sensors and WiFi Fingerprinting for Indoor Positioning. <i>IEEE Sensors Journal</i> , 2016, 16, 5125-5126. | 4.7 | 59 |
| 16 | WiFi-Aided Magnetic Matching for Indoor Navigation with Consumer Portable Devices. <i>Micromachines</i> , 2015, 6, 747-764. | 2.9 | 58 |
| 17 | An <i>in situ</i> hand calibration method using a pseudo-observation scheme for low-end inertial measurement units. <i>Measurement Science and Technology</i> , 2012, 23, 105104. | 2.6 | 57 |
| 18 | A Pervasive Integration Platform of Low-Cost MEMS Sensors and Wireless Signals for Indoor Localization. <i>IEEE Internet of Things Journal</i> , 2018, 5, 4616-4631. | 8.7 | 52 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Multi-Sensor Multi-Floor 3D Localization With Robust Floor Detection. IEEE Access, 2018, 6, 76689-76699. | 4.2 | 50 |
| 20 | Self-Contained Indoor Pedestrian Navigation Using Smartphone Sensors and Magnetic Features. IEEE Sensors Journal, 2016, 16, 7173-7182. | 4.7 | 46 |
| 21 | 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 |
| 22 | 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 |
| 23 | Navigation Engine Design for Automated Driving Using INS/GNSS/3D LiDAR-SLAM and Integrity Assessment. Remote Sensing, 2020, 12, 1564. | 4.0 | 37 |
| 24 | Railway irregularity measuring using Rauch-Tung-Striebel smoothed multi-sensors fusion system: quad-GNSS PPP, IMU, odometer, and track gauge. GPS Solutions, 2018, 22, 1. | 4.3 | 34 |
| 25 | Wireless Fingerprinting Uncertainty Prediction Based on Machine Learning. Sensors, 2019, 19, 324. | 3.8 | 33 |
| 26 | Study on Population Distribution Pattern at the County Level of China. Sustainability, 2018, 10, 3598. | 3.2 | 31 |
| 27 | Collaborative WiFi Fingerprinting Using Sensor-Based Navigation on Smartphones. Sensors, 2015, 15, 17534-17557. | 3.8 | 28 |
| 28 | A Novel Kalman Filter with State Constraint Approach for the Integration of Multiple Pedestrian Navigation Systems. Micromachines, 2015, 6, 926-952. | 2.9 | 27 |
| 29 | 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 |
| 30 | IMU/Magnetometer/Barometer/Mass-Flow Sensor Integrated Indoor Quadrotor UAV Localization with Robust Velocity Updates. Remote Sensing, 2019, 11, 838. | 4.0 | 25 |
| 31 | A Profile-Matching Method for Wireless Positioning. IEEE Communications Letters, 2016, 20, 2514-2517. | 4.1 | 23 |
| 32 | Odometer, low-cost inertial sensors, and four-GNSS data to enhance PPP and attitude determination. GPS Solutions, 2018, 22, 1. | 4.3 | 23 |
| 33 | RSS-Based Visible Light Positioning Using Nonlinear Optimization. IEEE Internet of Things Journal, 2022, 9, 14137-14150. | 8.7 | 22 |
| 34 | A Density-Based Clustering Method for Urban Scene Mobile Laser Scanning Data Segmentation. Remote Sensing, 2017, 9, 331. | 4.0 | 21 |
| 35 | Thermal Calibration Procedure and Thermal Characterisation of Low-cost Inertial Measurement Units. Journal of Navigation, 2016, 69, 373-390. | 1.7 | 20 |
| 36 | Using inertial sensors of iPhone 4 for car navigation. , 2012, , . | | 19 |

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|----|--|------|-----------|
| 37 | Evaluation on the impact of IMU grades on BDS + GPS PPP/INS tightly coupled integration. <i>Advances in Space Research</i> , 2017, 60, 1283-1299. | 2.6 | 19 |
| 38 | Inertial Sensing Meets Machine Learning: Opportunity or Challenge?. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 9995-10011. | 8.0 | 19 |
| 39 | Localization and Extraction of Road Poles in Urban Areas from Mobile Laser Scanning Data. <i>Remote Sensing</i> , 2019, 11, 401. | 4.0 | 18 |
| 40 | Modeling of multi-sensor tightly aided BDS triple-frequency precise point positioning and initial assessments. <i>Information Fusion</i> , 2020, 55, 184-198. | 19.1 | 17 |
| 41 | Cost-Effective Localization Using RSS From Single Wireless Access Point. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2020, 69, 1860-1870. | 4.7 | 17 |
| 42 | Real-time indoor navigation using smartphone sensors. , 2015, , . | | 16 |
| 43 | A Multi-Type Features Method for Leg Detection in 2-D Laser Range Data. <i>IEEE Sensors Journal</i> , 2018, 18, 1675-1684. | 4.7 | 16 |
| 44 | Simulation of the Separating Crowd Behavior in a T-Shaped Channel Based on the Social Force Model. <i>IEEE Access</i> , 2019, 7, 13668-13682. | 4.2 | 16 |
| 45 | Enhanced Gaussian Process-Based Localization Using a Low Power Wide Area Network. <i>IEEE Communications Letters</i> , 2019, 23, 164-167. | 4.1 | 15 |
| 46 | An Adaptive Low-Cost GNSS/MEMS-IMU Tightly-Coupled Integration System with Aiding Measurement in a GNSS Signal-Challenged Environment. <i>Sensors</i> , 2015, 15, 23953-23982. | 3.8 | 14 |
| 47 | Towards Location Enhanced IoT: Characterization of LoRa Signal For Wide Area Localization. , 2018, , . | | 14 |
| 48 | Robust Kalman Filter Aided GEO/IGSO/GPS Raw-PPP/INS Tight Integration. <i>Sensors</i> , 2019, 19, 417. | 3.8 | 14 |
| 49 | A survey on indoor 3D modeling and applications via RGB-D devices. <i>Frontiers of Information Technology and Electronic Engineering</i> , 2021, 22, 815-826. | 2.6 | 14 |
| 50 | IVPR: An Instant Visual Place Recognition Approach Based on Structural Lines in Manhattan World. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2020, 69, 4173-4187. | 4.7 | 13 |
| 51 | OdoNet: Untethered Speed Aiding for Vehicle Navigation Without Hardware Wheeled Odometer. <i>IEEE Sensors Journal</i> , 2022, 22, 12197-12208. | 4.7 | 13 |
| 52 | Research on Time-Related Errors Using Allan Variance in a Kalman Filter Applicable to Vector-Tracking-Based GNSS Software-Defined Receiver for Autonomous Ground Vehicle Navigation. <i>Remote Sensing</i> , 2019, 11, 1026. | 4.0 | 12 |
| 53 | Calibrating Multi-Channel RSS Observations for Localization Using Gaussian Process. <i>IEEE Wireless Communications Letters</i> , 2019, 8, 1116-1119. | 5.0 | 12 |
| 54 | The Impact of Vehicle Maneuvers on the Attitude Estimation of GNSS+INS for Mobile Mapping. <i>Journal of Applied Geodesy</i> , 2015, 9, . | 1.1 | 11 |

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|----|---|-----|-----------|
| 55 | Distribution Characteristics of the Transportation Network in China at the County Level. IEEE Access, 2019, 7, 49251-49261. | 4.2 | 11 |
| 56 | Fast and Automatic Reconstruction of Semantically Rich 3D Indoor Maps from Low-quality RGB-D Sequences. Sensors, 2019, 19, 533. | 3.8 | 11 |
| 57 | 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 |
| 58 | Enhanced Wireless Localization Based on Orientation-Compensation Model and Differential Received Signal Strength. IEEE Sensors Journal, 2019, 19, 4201-4210. | 4.7 | 10 |
| 59 | Orientation-Aided Stochastic Magnetic Matching for Indoor Localization. IEEE Sensors Journal, 2020, 20, 1003-1010. | 4.7 | 10 |
| 60 | Using Inertial Sensors in Smartphones for Curriculum Experiments of Inertial Navigation Technology. Education Sciences, 2015, 5, 26-46. | 2.6 | 9 |
| 61 | FusionVLP: The Fusion of Photodiode and Camera for Visible Light Positioning. IEEE Transactions on Vehicular Technology, 2021, 70, 11796-11811. | 6.3 | 8 |
| 62 | A modularized real-time indoor navigation algorithm on smartphones. , 2015, , . | | 7 |
| 63 | 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 |
| 64 | 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 |
| 65 | 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 |
| 66 | Real-time attitude tracking of mobile devices. , 2015, , . | | 5 |
| 67 | An IMU Evaluation Method Using a Signal Grafting Scheme. Sensors, 2016, 16, 854. | 3.8 | 5 |
| 68 | 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 |
| 69 | An automatic multi-level gyro calibration architecture for consumer portable devices. , 2014, , . | | 2 |
| 70 | Near Relation-Based Indoor Positioning Method under Sparse Wi-Fi Fingerprints. ISPRS International Journal of Geo-Information, 2020, 9, 714. | 2.9 | 2 |
| 71 | Indoors Positioning Based on Spatial Relationships in Locality Description. IEEE Access, 2020, 8, 34794-34809. | 4.2 | 2 |
| 72 | An efficient method for evaluating the performance of integrated multiple pedestrian navigation systems. , 2015, , . | | 0 |

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|----|--|-----|-----------|
| 73 | Parametric/fingerprinting integrated angle and location estimation using RSS from single multi-antenna access point. Electronics Letters, 2019, 55, 563-565. | 1.0 | 0 |