

# Liang Chen

## List of Publications by Year in descending order

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43  
papers

1,241  
citations

394421

19  
h-index

361022

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g-index

43  
all docs

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docs citations

43  
times ranked

1022  
citing authors

#	ARTICLE	IF	CITATIONS
1	Autonomous 3D Indoor Localization Based on Crowdsourced Wi-Fi Fingerprinting and MEMS Sensors. IEEE Sensors Journal, 2022, 22, 5248-5259.	4.7	22
2	Signal acquisition of Luojia-1A low earth orbit navigation augmentation system with software defined receiver. Geo-Spatial Information Science, 2022, 25, 47-62.	5.3	9
3	Carrier Phase Ranging for Indoor Positioning With 5G NR Signals. IEEE Internet of Things Journal, 2022, 9, 10908-10919.	8.7	55
4	H-WPS: Hybrid Wireless Positioning System Using an Enhanced Wi-Fi FTM/RSSI/MEMS Sensors Integration Approach. IEEE Internet of Things Journal, 2022, 9, 11827-11842.	8.7	18
5	Precise 3D Indoor Localization and Trajectory Optimization Based on Sparse Wi-Fi FTM Anchors and Built-In Sensors. IEEE Transactions on Vehicular Technology, 2022, 71, 4042-4056.	6.3	22
6	Interactive multiple-model vertical vibration detection of structures based on high-frequency GNSS observations. GPS Solutions, 2022, 26, 1.	4.3	9
7	An Enhanced Pedestrian Dead Reckoning Aided With DTMB Signals. IEEE Transactions on Broadcasting, 2022, 68, 407-413.	3.2	8
8	An ELM-Based Semi-Supervised Indoor Localization Technique With Clustering Analysis and Feature Extraction. IEEE Sensors Journal, 2021, 21, 3635-3644.	4.7	8
9	Smartphone-Based Indoor Positioning Technologies. Urban Book Series, 2021, , 467-490.	0.6	12
10	Short-Term Landslide Displacement Detection Based on GNSS Real-Time Kinematic Positioning. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-14.	4.7	12
11	Decoding PPP Corrections From BDS B2b Signals Using a Software-Defined Receiver: An Initial Performance Evaluation. IEEE Sensors Journal, 2021, 21, 7871-7883.	4.7	29
12	Performance of the non-iterative ToA-based positioning algorithms in complex indoor environments. Arabian Journal of Geosciences, 2021, 14, 1.	1.3	0
13	A Novel 3-D Indoor Localization Algorithm Based on BLE and Multiple Sensors. IEEE Internet of Things Journal, 2021, 8, 9359-9372.	8.7	49
14	A Robust Seamless Localization Framework Based on Wi-Fi FTM / GNSS and Built-In Sensors. IEEE Communications Letters, 2021, 25, 2226-2230.	4.1	12
15	Precise 3-D Indoor Localization Based on Wi-Fi FTM and Built-In Sensors. IEEE Internet of Things Journal, 2020, 7, 11753-11765.	8.7	48
16	Visual-Inertial Odometry of Smartphone under Manhattan World. Remote Sensing, 2020, 12, 3818.	4.0	6
17	Near Relation-Based Indoor Positioning Method under Sparse Wi-Fi Fingerprints. ISPRS International Journal of Geo-Information, 2020, 9, 714.	2.9	2
18	Wi-Fi Fine Time Measurement: Data Analysis and Processing for Indoor Localisation. Journal of Navigation, 2020, 73, 1106-1128.	1.7	22

#	ARTICLE	IF	CITATIONS
19	Site-specific real-time GPS multipath mitigation based on coordinate time series window matching. GPS Solutions, 2020, 24, 1.	4.3	18
20	Accurate DOA Estimation With Adjacent Angle Power Difference for Indoor Localization. IEEE Access, 2020, 8, 44702-44713.	4.2	22
21	An infant monitoring system with the support of accurate real-time indoor positioning. Geo-Spatial Information Science, 2019, 22, 279-289.	5.3	6
22	A Robust Dead Reckoning Algorithm Based on Wi-Fi FTM and Multiple Sensors. Remote Sensing, 2019, 11, 504.	4.0	55
23	Contemporary Mountainâ€Building of the Tianshan and its Relevance to Geodynamics Constrained by Integrating GPS and GRACE Measurements. Journal of Geophysical Research: Solid Earth, 2019, 124, 12171-12188.	3.4	17
24	A Pose Awareness Solution for Estimating Pedestrian Walking Speed. Remote Sensing, 2019, 11, 55.	4.0	34
25	A Review of Global Navigation Satellite System (GNSS)-based Dynamic Monitoring Technologies for Structural Health Monitoring. Remote Sensing, 2019, 11, 1001.	4.0	79
26	Error Analysis on Indoor Localization with Visible Light Communication. Remote Sensing, 2019, 11, 427.	4.0	4
27	Hybrid Kernel Based Machine Learning Using Received Signal Strength Measurements for Indoor Localization. IEEE Transactions on Vehicular Technology, 2018, 67, 2824-2829.	6.3	50
28	A Robust Filter for TOA Based Indoor Localization in Mixed LOS/NLOS Environment. , 2018, , .		4
29	Mobile Geospatial Computing Systems for Ubiquitous Positioning. Mobile Information Systems, 2018, 2018, 1-2.	0.6	4
30	Robustness, Security and Privacy in Location-Based Services for Future IoT: A Survey. IEEE Access, 2017, 5, 8956-8977.	4.2	240
31	Joint Wireless Positioning and Emitter Identification in DVB-T Single Frequency Networks. IEEE Transactions on Broadcasting, 2017, 63, 577-582.	3.2	19
32	An Improved Compressive Sensing and Received Signal Strength-Based Target Localization Algorithm with Unknown Target Population for Wireless Local Area Networks. Sensors, 2017, 17, 1246.	3.8	14
33	Visual Positioning Indoors: Human Eyes vs. Smartphone Cameras. Sensors, 2017, 17, 2645.	3.8	8
34	Analysis on the TOA Tracking With DVB-T Signals for Positioning. IEEE Transactions on Broadcasting, 2016, 62, 957-961.	3.2	31
35	TOA Estimation for Positioning With DVB-T Signals in Outdoor Static Tests. IEEE Transactions on Broadcasting, 2015, 61, 625-638.	3.2	45
36	Fast Fingerprint Database Maintenance for Indoor Positioning Based on UCV SLAM. Sensors, 2015, 15, 5311-5330.	3.8	41

#	ARTICLE	IF	CITATIONS
37	Delay estimation for DVB-T signals in adverse multipath scenarios. , 2014, , .		1
38	Adaptive mobile tracking in unknown non-line-of-sight conditions with application to digital TV networks. Eurasip Journal on Advances in Signal Processing, 2014, 2014, .	1.7	15
39	Bayesian Fusion for Indoor Positioning Using Bluetooth Fingerprints. Wireless Personal Communications, 2013, 70, 1735-1745.	2.7	111
40	Time delay tracking for positioning in DTV networks. , 2012, , .		10
41	Mobile Tracking in Mixed Line-of-Sight/Non-Line-of-Sight Conditions: Algorithm and Theoretical Lower Bound. Wireless Personal Communications, 2012, 65, 753-771.	2.7	25
42	Multi-sensor multi-network seamless positioning with visual aiding. , 2011, , .		13
43	Mobile Positioning in Mixed LOS/NLOS Conditions Using Modified EKF Banks and Data Fusion Method. IEICE Transactions on Communications, 2009, E92-B, 1318-1325.	0.7	32