

# Liang Chen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5785812/publications.pdf>

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43  
papers

1,241  
citations

394421

19  
h-index

361022

35  
g-index

43  
all docs

43  
docs citations

43  
times ranked

1022  
citing authors

#	ARTICLE	IF	CITATIONS
1	Robustness, Security and Privacy in Location-Based Services for Future IoT: A Survey. IEEE Access, 2017, 5, 8956-8977.	4.2	240
2	Bayesian Fusion for Indoor Positioning Using Bluetooth Fingerprints. Wireless Personal Communications, 2013, 70, 1735-1745.	2.7	111
3	A Review of Global Navigation Satellite System (GNSS)-based Dynamic Monitoring Technologies for Structural Health Monitoring. Remote Sensing, 2019, 11, 1001.	4.0	79
4	A Robust Dead Reckoning Algorithm Based on Wi-Fi FTM and Multiple Sensors. Remote Sensing, 2019, 11, 504.	4.0	55
5	Carrier Phase Ranging for Indoor Positioning With 5G NR Signals. IEEE Internet of Things Journal, 2022, 9, 10908-10919.	8.7	55
6	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
7	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
8	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
9	TOA Estimation for Positioning With DVB-T Signals in Outdoor Static Tests. IEEE Transactions on Broadcasting, 2015, 61, 625-638.	3.2	45
10	Fast Fingerprint Database Maintenance for Indoor Positioning Based on UGV SLAM. Sensors, 2015, 15, 5311-5330.	3.8	41
11	A Pose Awareness Solution for Estimating Pedestrian Walking Speed. Remote Sensing, 2019, 11, 55.	4.0	34
12	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
13	Analysis on the TOA Tracking With DVB-T Signals for Positioning. IEEE Transactions on Broadcasting, 2016, 62, 957-961.	3.2	31
14	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
15	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
16	Wi-Fi Fine Time Measurement: Data Analysis and Processing for Indoor Localisation. Journal of Navigation, 2020, 73, 1106-1128.	1.7	22
17	Accurate DOA Estimation With Adjacent Angle Power Difference for Indoor Localization. IEEE Access, 2020, 8, 44702-44713.	4.2	22
18	Autonomous 3D Indoor Localization Based on Crowdsourced Wi-Fi Fingerprinting and MEMS Sensors. IEEE Sensors Journal, 2022, 22, 5248-5259.	4.7	22

#	ARTICLE	IF	CITATIONS
19	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
20	Joint Wireless Positioning and Emitter Identification in DVB-T Single Frequency Networks. IEEE Transactions on Broadcasting, 2017, 63, 577-582.	3.2	19
21	Site-specific real-time GPS multipath mitigation based on coordinate time series window matching. GPS Solutions, 2020, 24, 1.	4.3	18
22	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
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	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
25	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
26	Multi-sensor multi-network seamless positioning with visual aiding. , 2011, , .		13
27	Smartphone-Based Indoor Positioning Technologies. Urban Book Series, 2021, , 467-490.	0.6	12
28	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
29	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
30	Time delay tracking for positioning in DTV networks. , 2012, , .		10
31	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
32	Interactive multiple-model vertical vibration detection of structures based on high-frequency GNSS observations. GPS Solutions, 2022, 26, 1.	4.3	9
33	Visual Positioning Indoors: Human Eyes vs. Smartphone Cameras. Sensors, 2017, 17, 2645.	3.8	8
34	An ELM-Based Semi-Supervised Indoor Localization Technique With Clustering Analysis and Feature Extraction. IEEE Sensors Journal, 2021, 21, 3635-3644.	4.7	8
35	An Enhanced Pedestrian Dead Reckoning Aided With DTMB Signals. IEEE Transactions on Broadcasting, 2022, 68, 407-413.	3.2	8
36	An infant monitoring system with the support of accurate real-time indoor positioning. Geo-Spatial Information Science, 2019, 22, 279-289.	5.3	6

#	ARTICLE	IF	CITATIONS
37	Visual-Inertial Odometry of Smartphone under Manhattan World. Remote Sensing, 2020, 12, 3818.	4.0	6
38	A Robust Filter for TOA Based Indoor Localization in Mixed LOS/NLOS Environment. , 2018, , .		4
39	Mobile Geospatial Computing Systems for Ubiquitous Positioning. Mobile Information Systems, 2018, 2018, 1-2.	0.6	4
40	Error Analysis on Indoor Localization with Visible Light Communication. Remote Sensing, 2019, 11, 427.	4.0	4
41	Near Relation-Based Indoor Positioning Method under Sparse Wi-Fi Fingerprints. ISPRS International Journal of Geo-Information, 2020, 9, 714.	2.9	2
42	Delay estimation for DVB-T signals in adverse multipath scenarios. , 2014, , .		1
43	Performance of the non-iterative ToA-based positioning algorithms in complex indoor environments. Arabian Journal of Geosciences, 2021, 14, 1.	1.3	0