

Sihao Zhao

List of Publications by Year in descending order

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docs citations

32
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293
citing authors

#	ARTICLE	IF	CITATIONS
1	Closed-Form Two-Way TOA Localization and Synchronization for User Devices With Motion and Clock Drift. IEEE Signal Processing Letters, 2022, 29, 100-104.	3.6	11
2	Sequential Doppler-Shift-Based Optimal Localization and Synchronization With TOA. IEEE Internet of Things Journal, 2022, 9, 16234-16246.	8.7	4
3	New Closed-Form Joint Localization and Synchronization Using Sequential One-Way TOAs. IEEE Transactions on Signal Processing, 2022, 70, 2078-2092.	5.3	3
4	Robust Vehicle Positioning Based on Multi-Epoch and Multi-Antenna TOAs in Harsh Environments. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 21074-21089.	8.0	7
5	A Closed-Form Localization Method Utilizing Pseudorange Measurements From Two Nonsynchronized Positioning Systems. IEEE Internet of Things Journal, 2021, 8, 1082-1094.	8.7	17
6	Single point positioning using full and fractional pseudorange measurements from GPS and BDS. Survey Review, 2021, 53, 27-34.	1.2	4
7	Semidefinite Programming Two-Way TOA Localization for User Devices With Motion and Clock Drift. IEEE Signal Processing Letters, 2021, 28, 578-582.	3.6	7
8	Optimal Localization With Sequential Pseudorange Measurements for Moving Users in a Time-Division Broadcast Positioning System. IEEE Internet of Things Journal, 2021, 8, 8883-8896.	8.7	7
9	Optimal TOA Localization for Moving Sensor in Asymmetric Network. , 2021, , .		2
10	A New TOA Localization and Synchronization System With Virtually Synchronized Periodic Asymmetric Ranging Network. IEEE Internet of Things Journal, 2021, 8, 9030-9044.	8.7	28
11	Optimal Two-Way TOA Localization and Synchronization for Moving User Devices With Clock Drift. IEEE Transactions on Vehicular Technology, 2021, 70, 7778-7789.	6.3	19
12	A Two-Step Stochastic Hybrid Estimation for GNSS Carrier Phase Tracking in Urban Environments. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-18.	4.7	5
13	Sequential TOA-Based Moving Target Localization in Multi-Agent Networks. IEEE Communications Letters, 2020, 24, 1719-1723.	4.1	23
14	BLAS: Broadcast Relative Localization and Clock Synchronization for Dynamic Dense Multiagent Systems. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 3822-3839.	4.7	22
15	Distributed Multi-Antenna Positioning for Automatic-Guided Vehicle. Sensors, 2020, 20, 1155.	3.8	14
16	Anchor self-localization algorithm based on UWB ranging and inertial measurements. Tsinghua Science and Technology, 2019, 24, 728-737.	6.1	40
17	Transmission delay inconsistency in satellite array antennas cause elevation-dependent pseudorange biases in GNSS signals. Science China Information Sciences, 2018, 61, 1.	4.3	2
18	A Low-Cost INS-Integratable GNSS Ultra-Short Baseline Attitude Determination System. Sensors, 2018, 18, 2114.	3.8	10

#	ARTICLE	IF	CITATIONS
19	A Tightly Coupled RTK/INS Algorithm with Ambiguity Resolution in the Position Domain for Ground Vehicles in Harsh Urban Environments. <i>Sensors</i> , 2018, 18, 2160.	3.8	18
20	A priori knowledge-free fast positioning approach for BeiDou receivers. <i>GPS Solutions</i> , 2017, 21, 715-725.	4.3	4
21	Mitigating Multipath Bias Using a Dual-Polarization Antenna: Theoretical Performance, Algorithm Design, and Simulation. <i>Sensors</i> , 2017, 17, 359.	3.8	25
22	Asymmetric Dual-Band Tracking Technique for Optimal Joint Processing of BDS B1I and B1C Signals. <i>Sensors</i> , 2017, 17, 2360.	3.8	9
23	Space-borne BDS and GPS Receiver of LING QIAO: Results over Two Years In-orbit Operation. <i>Lecture Notes in Electrical Engineering</i> , 2017, , 753-762.	0.4	0
24	A measurement discarding algorithm for robust multi-constellation multi-frequency RTK positioning. , 2016, , .		0
25	Space-borne BDS receiver for LING QIAO satellite: design, implementation and preliminary in-orbit experiment results. <i>GPS Solutions</i> , 2016, 20, 837-847.	4.3	13
26	A Kalman Filter-Based Short Baseline RTK Algorithm for Single-Frequency Combination of GPS and BDS. <i>Sensors</i> , 2014, 14, 15415-15433.	3.8	57
27	Analysis on coverage ability of BeiDou navigation satellite system for manned spacecraft. <i>Acta Astronautica</i> , 2014, 105, 487-494.	3.2	10
28	Implementation and Performance Assessment of a Vector Tracking Method Based on a Software GPS Receiver. <i>Journal of Navigation</i> , 2011, 64, S151-S161.	1.7	17
29	Design and Implementation of a Wireless Time Synchronization based Positioning System. , 0, , .		1
30	Indoor Autonomous Vehicle Navigation Based on a Wireless Position and Orientation Determination System. , 0, , .		1
31	Range-only Collaborative Localization for Ground Vehicles. , 0, , .		4