Sihao Zhao

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5427581/publications.pdf

Version: 2024-02-01

31	384	759233 12	794594 19
papers	citations	h-index	g-index

32	32	32	293
all docs	docs citations	times ranked	citing authors

#	ARTICLE	IF	CITATIONS
1	A Kalman Filter-Based Short Baseline RTK Algorithm for Single-Frequency Combination of GPS and BDS. Sensors, 2014, 14, 15415-15433.	3.8	57
2	Anchor self-localization algorithm based on UWB ranging and inertial measurements. Tsinghua Science and Technology, 2019, 24, 728-737.	6.1	40
3	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
4	Mitigating Multipath Bias Using a Dual-Polarization Antenna: Theoretical Performance, Algorithm Design, and Simulation. Sensors, 2017, 17, 359.	3.8	25
5	Sequential TOA-Based Moving Target Localization in Multi-Agent Networks. IEEE Communications Letters, 2020, 24, 1719-1723.	4.1	23
6	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
7	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
8	A Tightly Coupled RTK/INS Algorithm with Ambiguity Resolution in the Position Domain for Ground Vehicles in Harsh Urban Environments. Sensors, 2018, 18, 2160.	3.8	18
9	Implementation and Performance Assessment of a Vector Tracking Method Based on a Software GPS Receiver. Journal of Navigation, 2011, 64, S151-S161.	1.7	17
10	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
11	Distributed Multi-Antenna Positioning for Automatic-Guided Vehicle. Sensors, 2020, 20, 1155.	3.8	14
12	Space-borne BDS receiver for LING QIAO satellite: design, implementation and preliminary in-orbit experiment results. GPS Solutions, 2016, 20, 837-847.	4.3	13
13	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
14	Analysis on coverage ability of BeiDou navigation satellite system for manned spacecraft. Acta Astronautica, 2014, 105, 487-494.	3.2	10
15	A Low-Cost INS-Integratable GNSS Ultra-Short Baseline Attitude Determination System. Sensors, 2018, 18, 2114.	3.8	10
16	Asymmetric Dual-Band Tracking Technique for Optimal Joint Processing of BDS B1I and B1C Signals. Sensors, 2017, 17, 2360.	3.8	9
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	A priori knowledge-free fast positioning approach for BeiDou receivers. GPS Solutions, 2017, 21, 715-725.	4.3	4
22	Single point positioning using full and fractional pseudorange measurements from GPS and BDS. Survey Review, 2021, 53, 27-34.	1.2	4
23	Range-only Collaborative Localization for Ground Vehicles. , 0, , .		4
24	Sequential Doppler-Shift-Based Optimal Localization and Synchronization With TOA. IEEE Internet of Things Journal, 2022, 9, 16234-16246.	8.7	4
25	New Closed-Form Joint Localization and Synchronization Using Sequential One-Way TOAs. IEEE Transactions on Signal Processing, 2022, 70, 2078-2092.	5.3	3
26	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
27	Optimal TOA Localization for Moving Sensor in Asymmetric Network. , 2021, , .		2
28	Design and Implementation of a Wireless Time Synchronization based Positioning System. , 0, , .		1
29	Indoor Autonomous Vehicle Navigation Based on a Wireless Position and Orientation Determination System. , 0, , .		1
30	A measurement discarding algorithm for robust multi-constellation multi-frequency RTK positioning. , 2016, , .		0
31	Space-borne BDS and GPS Receiver of LING QIAO: Results over Two Years In-orbit Operation. Lecture Notes in Electrical Engineering, 2017, , 753-762.	0.4	0