

Ran Liu

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,122
citations

840776

11
h-index

888059

17
g-index

30
all docs

30
docs citations

30
times ranked

1230
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent Advances in Indoor Localization: A Survey on Theoretical Approaches and Applications. IEEE Communications Surveys and Tutorials, 2017, 19, 1327-1346.	39.4	638
2	Collaborative SLAM Based on WiFi Fingerprint Similarity and Motion Information. IEEE Internet of Things Journal, 2020, 7, 1826-1840.	8.7	61
3	Personal Dead Reckoning Using IMU Mounted on Upper Torso and Inverted Pendulum Model. IEEE Sensors Journal, 2016, 16, 7600-7608.	4.7	53
4	Cooperative positioning for emergency responders using self IMU and peer-to-peer radios measurements. Information Fusion, 2020, 56, 93-102.	19.1	44
5	Fusing Similarity-Based Sequence and Dead Reckoning for Indoor Positioning Without Training. IEEE Sensors Journal, 2017, 17, 4197-4207.	4.7	43
6	Cooperative relative positioning of mobile users by fusing IMU inertial and UWB ranging information. , 2017, , .		39
7	Tightly Coupling Fusion of UWB Ranging and IMU Pedestrian Dead Reckoning for Indoor Localization. IEEE Access, 2021, 9, 164206-164222.	4.2	29
8	An Empirical Evaluation of Customersâ€™ Adoption of Drone Food Delivery Services: An Extended Technology Acceptance Model. Sustainability, 2022, 14, 2922.	3.2	27
9	Moving Object Localization Based on UHF RFID Phase and Laser Clustering. Sensors, 2018, 18, 825.	3.8	25
10	Cost-Effective Mapping of Mobile Robot Based on the Fusion of UWB and Short-Range 2-D LiDAR. IEEE/ASME Transactions on Mechatronics, 2022, 27, 1321-1331.	5.8	20
11	Dynamic objects tracking with a mobile robot using passive UHF RFID tags. , 2014, , .		15
12	Relative Localization of Mobile Robots with Multiple Ultra-WideBand Ranging Measurements. , 2021, , .		15
13	Localization of Moving Objects Based on RFID Tag Array and Laser Ranging Information. Electronics (Switzerland), 2019, 8, 887.	3.1	13
14	Multi-AGV's Temporal Memory-Based RRT Exploration in Unknown Environment. IEEE Robotics and Automation Letters, 2022, 7, 9256-9263.	5.1	12
15	Design of an infrastructureless in-door localization device using an IMU sensor. , 2015, , .		11
16	On Tracking Dynamic Objects with Long Range Passive UHF RFID Using a Mobile Robot. International Journal of Distributed Sensor Networks, 2015, 11, 781380.	2.2	11
17	A Method of Multiple Dynamic Objects Identification and Localization Based on Laser and RFID. Sensors, 2020, 20, 3948.	3.8	10
18	Systematic Review of Dynamic Multi-Object Identification and Localization: Techniques and Technologies. IEEE Access, 2021, 9, 122924-122950.	4.2	10

#	ARTICLE	IF	CITATIONS
19	Continuously tracking of moving object by a combination of ultra-high frequency radio-frequency identification and laser range finder. International Journal of Distributed Sensor Networks, 2019, 15, 155014771986099.	2.2	8
20	Path following with passive UHF RFID received signal strength in unknown environments. , 2012, , .		7
21	Identifying Indoor Points of Interest via Mobile Crowdsensing: An Experimental Study. , 2019, , .		7
22	WiFi Fingerprint Clustering for Urban Mobility Analysis. IEEE Access, 2021, 9, 69527-69538.	4.2	7
23	Indoor positioning using similarity-based sequence and dead reckoning without training. , 2017, , .		6
24	Mobile Robot Localization Based On Low-Cost LTE And Odometry In GPS-Denied Outdoor Environment. , 2019, , .		5
25	Collaborative Radio SLAM for Multiple Robots based on WiFi Fingerprint Similarity. , 2021, , .		2
26	FGRSC: Improved Calibration for Spinning LiDAR in Unprepared Scenes. IEEE Sensors Journal, 2022, 22, 14250-14262.	4.7	2
27	Mapping UHF RFID tags with a mobile robot using a 3D sensor model. , 2013, , .		1
28	Localizing Heterogeneous Access Points using Similarity-based Sequence. , 2018, , .		1
29	Personal dead reckoning using IMU device at upper torso for walking and running. , 2016, , .		0
30	Follow a Human using a Mobile Robot Regardless of the Walking Speed. , 2018, , .		0