

Chieh-Chih Wang

List of Publications by Year in descending order

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34
papers

367
citations

1163117

8
h-index

1058476

14
g-index

35
all docs

35
docs citations

35
times ranked

412
citing authors

#	ARTICLE	IF	CITATIONS
1	On Solving Mirror Reflection in LIDAR Sensing. IEEE/ASME Transactions on Mechatronics, 2011, 16, 255-265.	5.8	39
2	Exploiting Moving Objects: Multi-Robot Simultaneous Localization and Tracking. IEEE Transactions on Automation Science and Engineering, 2016, 13, 810-827.	5.2	32
3	Characterizing Indoor Environment for Robot Navigation Using Velocity Space Approach With Region Analysis and Look-Ahead Verification. IEEE Transactions on Instrumentation and Measurement, 2011, 60, 442-451.	4.7	29
4	A Normal Distribution Transform-Based Radar Odometry Designed For Scanning and Automotive Radars. , 2021, , .		26
5	Simultaneous egomotion estimation, segmentation, and moving object detection. Journal of Field Robotics, 2011, 28, 565-588.	6.0	23
6	Cross-Device Wi-Fi Map Fusion with Gaussian Processes. IEEE Transactions on Mobile Computing, 2017, 16, 44-57.	5.8	21
7	Stereo-based simultaneous localization, mapping and moving object tracking. , 2010, , .		18
8	Vision-based cooperative simultaneous localization and tracking. , 2011, , .		18
9	Deep learning of spatio-temporal features with geometric-based moving point detection for motion segmentation. , 2014, , .		18
10	RANSAC matching: Simultaneous registration and segmentation. , 2010, , .		15
11	Dealing with laser scanner failure: Mirrors and windows. , 2008, , .		13
12	Challenges and Opportunities for Securing Intelligent Transportation System. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2013, 3, 96-105.	3.6	12
13	2-point RANSAC for scene image matching under large viewpoint changes. , 2015, , .		12
14	Interacting Object Tracking in Crowded Urban Areas. Proceedings - IEEE International Conference on Robotics and Automation, 2007, , .	0.0	8
15	Simultaneous localization and mapping using a short-range passive RFID reader with sparse tags in large environments. , 2010, , .		8
16	The annotated laser data set for navigation in urban areas. International Journal of Robotics Research, 2011, 30, 1095-1099.	8.5	8
17	3D AAM based face alignment under wide angular variations using 2D and 3D data. , 2012, , .		8
18	3D active appearance model for aligning faces in 2D images. , 2008, , .		7

#	ARTICLE	IF	CITATIONS
19	Multiple-model RANSAC for ego-motion estimation in highly dynamic environments. , 2009, , .		7
20	Radar Occupancy Prediction With Lidar Supervision While Preserving Long-Range Sensing and Penetrating Capabilities. IEEE Robotics and Automation Letters, 2022, 7, 2637-2643.	5.1	7
21	Achieving undelayed initialization in monocular SLAM with generalized objects using velocity estimate-based classification. , 2011, , .		5
22	Collision- and Freezing-Free Navigation in Dynamic Environments Using Learning to Search. , 2012, , .		5
23	Communication adaptive multi-robot simultaneous localization and tracking via hybrid measurement and belief sharing. , 2014, , .		5
24	A two-stage sampling for robust feature matching. Journal of Field Robotics, 2018, 35, 779-801.	6.0	4
25	What can we learn from accident videos?. , 2013, , .		3
26	Simultaneous Heterogeneous Sensor Localization, Joint Tracking, and Upper Extremity Modeling for Stroke Rehabilitation. IEEE Systems Journal, 2020, 14, 3570-3581.	4.6	3
27	K-Closest Points and Maximum Clique Pruning for Efficient and Effective 3-D Laser Scan Matching. IEEE Robotics and Automation Letters, 2022, 7, 1471-1477.	5.1	3
28	Reconstruction and Synthesis of Lidar Point Clouds of Spray. IEEE Robotics and Automation Letters, 2022, 7, 3765-3772.	5.1	3
29	1-point affine RANSAC for scene image matching in appearance-based localization. , 2014, , .		2
30	Orientation constraints for Wi-Fi SLAM using signal strength gradients. Autonomous Robots, 2020, 44, 1135-1146.	4.8	2
31	Hand posture recognition using Hidden Conditional Random Fields. , 2009, , .		1
32	A segmentation and data association annotation system for laser-based multi-target tracking evaluation. , 2012, , .		1
33	Detecting the Boundary of Sensor Networks from Limited Cyclic Information. International Journal of Distributed Sensor Networks, 2015, 11, 401838.	2.2	1
34	Probabilistic Structure from Sound. Advanced Robotics, 2009, 23, 1687-1702.	1.8	0