Jan Wietrzykowski

List of Publications by Year in descending order

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19 papers	217 citations	1478505 6 h-index	1281871 11 g-index
20 all docs	20 docs citations	20 times ranked	194 citing authors

#	Article	IF	Citations
1	Stereo Plane R-CNN: Accurate Scene Geometry Reconstruction Using Planar Segments and Camera-Agnostic Representation. IEEE Robotics and Automation Letters, 2022, 7, 4345-4352.	5.1	4
2	PlaneLoc2: Indoor Global Localization Using Planar Segments and Passive Stereo Camera. IEEE Access, 2022, 10, 67219-67229.	4.2	1
3	Large-Scale LiDAR SLAM with Factor Graph Optimization on High-Level Geometric Features. Sensors, 2021, 21, 3445.	3.8	15
4	On the descriptive power of LiDAR intensity images for segment-based loop closing in 3-D SLAM. , 2021, , .		4
5	A fast and practical method of indoor localization for resource-constrained devices with limited sensing. , 2020, , .		1
6	PlaneLoc: Probabilistic global localization in 3-D using local planar features. Robotics and Autonomous Systems, 2019, 113, 160-173.	5.1	9
7	Context-Aware Recognition of Drivable Terrain with Automated Parameters Estimation. Advances in Intelligent Systems and Computing, 2019, , 626-638.	0.6	0
8	Employing Natural Terrain Semantics in Motion Planning for a Multi-Legged Robot. Journal of Intelligent and Robotic Systems: Theory and Applications, 2019, 93, 723-743.	3.4	31
9	Probabilistic reasoning for indoor positioning with sequences of WiFi fingerprints. , 2018, , .		2
10	Real-Time Visual Place Recognition for Personal Localization on a Mobile Device. Wireless Personal Communications, 2017, 97, 213-244.	2.7	9
11	A probabilistic framework for global localization with segmented planes. , 2017, , .		3
12	Low-Effort Place Recognition with WiFi Fingerprints Using Deep Learning. Advances in Intelligent Systems and Computing, 2017, , 575-584.	0.6	89
13	Adopting the FAB-MAP Algorithm for Indoor Localization with WiFi Fingerprints. Advances in Intelligent Systems and Computing, 2017, , 585-594.	0.6	6
14	TERRAIN CLASSIFICATION FOR AUTONOMOUS NAVIGATION IN PUBLIC URBAN AREAS. , 2017, , .		2
15	Experimental evaluation of visual place recognition algorithms for personal indoor localization. , 2016, , .		4
16	Simplicity or flexibility? Complementary Filter vs. EKF for orientation estimation on mobile devices. , 2015, , .		14
17	Lightweight RGB-D SLAM System for Search and Rescue Robots. Advances in Intelligent Systems and Computing, 2015, , 11-21.	0.6	13
18	Exploring OpenStreetMap Publicly Available Information for Autonomous Robot Navigation. Advances in Intelligent Systems and Computing, 2015, , 309-318.	0.6	5

#	Article	IF	Citations
19	Boosting Support Vector Machines for RGB-D Based Terrain Classification. Journal of Automation, Mobile Robotics and Intelligent Systems, 2014, 8, 28-34.	0.4	4