Sunglok Choi

List of Publications by Year
in descending order

32 papers	1,099 citations	1478505 6 h-index	1474206 9 g-index
33 all docs	33 docs citations	33 times ranked	1240 citing authors

#	Article	IF	Citations
1	Can expensive research equipment boost research and development performances?. Scientometrics, 2021, 126, 7715-7742.	3.0	2
2	Leveraging Localization Accuracy With Off-Centered GPS. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 2277-2286.	8.0	6
3	Electroactive Soft Photonic Devices for the Synesthetic Perception of Color and Sound. Advanced Materials, 2019, 31, e1804080.	21.0	64
4	Fast and reliable minimal relative pose estimation under planar motion. Image and Vision Computing, 2018, 69, 103-112.	4.5	22
5	Detection of High-Risk Intoxicated Passengers in Video Surveillance. , 2018, , .		2
6	The Visual Object Tracking VOT2017 Challenge Results. , 2017, , .		255
7	The Visual Object Tracking VOT2016 Challenge Results. Lecture Notes in Computer Science, 2016, , 777-823.	1.3	312
8	The Thermal Infrared Visual Object Tracking VOT-TIR2015 Challenge Results. , 2015, , .		41
9	Fast magnetic field simulation with linear system approach. , 2015, , .		1
10	Simple optimization toolbox for engineers. , 2015, , .		0
11	Simplified epipolar geometry for real-time monocular visual odometry on roads. International Journal of Control, Automation and Systems, 2015, 13, 1454-1464.	2.7	13
12	Triangulation Toolbox: Open-source algorithms and benchmarks for landmark-based localization. , 2014, , .		2
13	Quadtree sampling-based superpixels for 3D range data. , 2014, , .		3
14	Robust ground plane detection from 3D point clouds. , 2014, , .		19
15	Segmentation for outdoor urban scenes. , 2013, , .		0
16	Personal driving diary: Automated recognition of driving events from first-person videos. Computer Vision and Image Understanding, 2013, 117, 1299-1312.	4.7	5
17	A study on navigation performance evaluation of educational robots. , 2013, , .		0
18	Resolving scale ambiguity for monocular visual odometry. , 2013, , .		14

#	ARTICLE	IF	CITATIONS
19	Reliable object detection and segmentation using inpainting. , 2012, , .		2
20	Milk: Monocular visual odometry with motion constraints. , 2012, , .		1
21	Automated robotic service in large-scale exhibition environments. , 2012, , .		0
22	Global path planning on uneven elevation maps. , 2012, , .		17
23	Background-aware pedestrian/vehicle detection system for driving environments. , 2011, , .		2
24	Personal driving diary: Constructing a video archive of everyday driving events. , 2011, , .		4
25	Any-angle path planning on non-uniform costmaps. , 2011, , .		17
26	Fast any-angle path planning on grid maps with non-collision pruning. , 2010, , .		17
27	uRON v1.5: A device-independent and reconfigurable robot navigation library. , 2010, , .		6
28	Autonomous navigation of mobile robot based on DGPS/INS sensor fusion by EKF in semi-outdoor structured environment. , 2010, , .		13
29	Incremental learning of novel activity categories from videos. , 2010, , .		2
30	Robust video stabilization to outlier motion using adaptive RANSAC. , 2009, , .		16
31	Performance Evaluation of RANSAC Family. , 2009, , .		228
32	Robust regression to varying data distribution and its application to landmark-based localization. Conference Proceedings IEEE International Conference on Systems, Man, and Cybernetics, 2008, , .	0.0	12