Cang Ye

List of Publications by Year
in descending order

		1307594	1588992
21 papers	315 citations	7 h-index	8 g-index
22 all docs	22 docs citations	22 times ranked	328 citing authors

#	Article	IF	Citations
1	An Indoor Wayfinding System Based on Geometric Features Aided Graph SLAM for the Visually Impaired. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2017, 25, 1592-1604.	4.9	66
2	Co-Robotic Cane: A New Robotic Navigation Aid for the Visually Impaired. IEEE Systems, Man, and Cybernetics Magazine, 2016, 2, 33-42.	1.4	43
3	6-DOF Pose Estimation of a Robotic Navigation Aid by Tracking Visual and Geometric Features. IEEE Transactions on Automation Science and Engineering, 2015, 12, 1169-1180.	5.2	32
4	An RGB-D Camera Based Visual Positioning System for Assistive Navigation by a Robotic Navigation Aid. IEEE/CAA Journal of Automatica Sinica, 2021, 8, 1389-1400.	13.1	26
5	Camera Intrinsic Parameters Estimation by Visual–Inertial Odometry for a Mobile Phone With Application to Assisted Navigation. IEEE/ASME Transactions on Mechatronics, 2020, 25, 1803-1811.	5.8	25
6	An indoor navigation aid for the visually impaired. , 2016, , .		19
7	3D object recognition by geometric context and Gaussian-Mixture-Model-based plane classification. , 2014, , .		17
8	6-DOF pose estimation of a Portable Navigation Aid for the visually impaired. , 2013, , .		14
9	RGB-D camera based walking pattern recognition by support vector machines for a smart rollator. International Journal of Intelligent Robotics and Applications, 2017, 1, 32-42.	2.8	12
10	A Co-Robotic Cane for blind navigation. , 2014, , .		10
11	Learning of Holism-Landmark Graph Embedding for Place Recognition in Long-Term Autonomy. IEEE Robotics and Automation Letters, 2018, 3, 3669-3676.	5.1	8
12	Plane-Aided Visual-Inertial Odometry for 6-DOF Pose Estimation of a Robotic Navigation Aid. IEEE Access, 2020, 8, 90042-90051.	4.2	7
13	A fast egomotion estimation method based on visual feature tracking and Iterative Closest Point. , 2014, , .		6
14	A Comparative Analysis of Visual-Inertial SLAM for Assisted Wayfinding of the Visually Impaired. , 2019, , .		6
15	Dynamic Spatiotemporal Pattern Identification and Analysis Using a Fingertip-based Electro-Tactile Display Array. , 2019, , .		6
16	A Wearable Robotic Object Manipulation Aid for the Visually Impaired. , 2018, , .		5
17	Human-Robot Interaction for Assisted Wayfinding of a Robotic Navigation Aid for the Blind. , 2019, , .		5
18	An EKF-SLAM method with filter consistency test for mobile robots using a 3D camera. , 2015, , .		3

#	ARTICLE	IF	CITATIONS
19	A Gaussian-mixture-model-based visual feature matching scheme for small-object detection from RGB-D data. , 2017, , .		3
20	A pose graph based visual SLAM algorithm for robot pose estimation. , 2014, , .		2
21	A Wearable Robotic Device for Assistive Navigation and Object Manipulation. , 2021, , .		0