

Cang Ye

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

315
citations

1307594

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1588992

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22
all docs

22
docs citations

22
times ranked

328
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	A Wearable Robotic Device for Assistive Navigation and Object Manipulation. , 2021, , .		0
3	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
4	Plane-Aided Visual-Inertial Odometry for 6-DOF Pose Estimation of a Robotic Navigation Aid. IEEE Access, 2020, 8, 90042-90051.	4.2	7
5	A Comparative Analysis of Visual-Inertial SLAM for Assisted Wayfinding of the Visually Impaired. , 2019, , .		6
6	Human-Robot Interaction for Assisted Wayfinding of a Robotic Navigation Aid for the Blind. , 2019, , .		5
7	Dynamic Spatiotemporal Pattern Identification and Analysis Using a Fingertip-based Electro-Tactile Display Array. , 2019, , .		6
8	A Wearable Robotic Object Manipulation Aid for the Visually Impaired. , 2018, , .		5
9	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
10	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
11	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
12	A Gaussian-mixture-model-based visual feature matching scheme for small-object detection from RGB-D data. , 2017, , .		3
13	An indoor navigation aid for the visually impaired. , 2016, , .		19
14	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
15	An EKF-SLAM method with filter consistency test for mobile robots using a 3D camera. , 2015, , .		3
16	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
17	A pose graph based visual SLAM algorithm for robot pose estimation. , 2014, , .		2
18	3D object recognition by geometric context and Gaussian-Mixture-Model-based plane classification. , 2014, , .		17

#	ARTICLE	IF	CITATIONS
19	A Co-Robotic Cane for blind navigation. , 2014, , .		10
20	A fast egomotion estimation method based on visual feature tracking and Iterative Closest Point. , 2014, , .		6
21	6-DOF pose estimation of a Portable Navigation Aid for the visually impaired. , 2013, , .		14