Hongsheng He

List of Publications by Year
in descending order

23 papers	192 citations	1937685 4 h-index	1281871 11 g-index
24 all docs	24 docs citations	24 times ranked	196 citing authors

#	Article	IF	Citations
1	Monocular Visual-Inertial and Robotic-Arm Calibration in a Unifying Framework. IEEE/CAA Journal of Automatica Sinica, 2022, 9, 146-159.	13.1	4
2	Learning Task-Oriented Dexterous Grasping from Human Knowledge. , 2021, , .		3
3	A Framework of Controlled Robot Language for Reliable Human-Robot Collaboration. Lecture Notes in Computer Science, 2021, , 339-349.	1.3	1
4	Comprehension of Spatial Constraints by Neural Logic Learning from a Single RGB-D Scan. , 2021, , .		0
5	MagicHand: Context-Aware Dexterous Grasping Using an Anthropomorphic Robotic Hand. , 2020, , .		10
6	Robotic Understanding of Object Semantics by Referringto a Dictionary. International Journal of Social Robotics, 2020, 12, 1251-1263.	4.6	5
7	Robotic Understanding of Spatial Relationships Using Neural-Logic Learning. , 2020, , .		6
8	Robust Vehicle and Surrounding Environment Dynamic Analysis for Assistive Driving Using Visual-Inertial Measurements. IEEE Access, 2019, 7, 8002-8017.	4.2	1
9	Robotic Scene Understanding by Using a Dictionary. , 2019, , .		4
10	Object Recall from Natural-Language Descriptions for Autonomous Robotic Grasping. , 2019, , .		5
11	Relative motion estimation using visual–inertial optical flow. Autonomous Robots, 2018, 42, 615-629.	4.8	11
12	Learning Robotic Grasping Strategy Based on Natural-Language Object Descriptions. , 2018, , .		15
13	Spatial Calibration for Thermal-RGB Cameras and Inertial Sensor System. , 2018, , .		2
14	Perception of Vehicle and Traffic Dynamics Using Visual-Inertial Sensors for Assistive Driving. , 2018, , .		4
15	MagicHand: In-Hand Perception of Object Characteristics for Dexterous Manipulation. Lecture Notes in Computer Science, 2018, , 523-532.	1.3	3
16	Semantics Comprehension of Entities in Dictionary Corpora for Robot Scene Understanding. Lecture Notes in Computer Science, 2018, , 359-368.	1.3	2
17	Kinematic chain based multi-joint capturing using monocular visual-inertial measurements. , 2017, , .		2
18	Data synthesis in the Community Land Model for ecosystem simulation. Journal of Computational Science, 2016, 13, 83-95.	2.9	1

#	Article	IF	Citations
19	Recognition of Car Makes and Models From a Single Traffic-Camera Image. IEEE Transactions on Intelligent Transportation Systems, 2015, 16, 3182-3192.	8.0	66
20	Wearable Ego-Motion Tracking for Blind Navigation in Indoor Environments. IEEE Transactions on Automation Science and Engineering, 2015, 12, 1181-1190.	5.2	34
21	Geometry constrained sparse embedding for multi-dimensional transfer function design in direct volume rendering. , 2014, , .		2
22	Ambient motion estimation in dynamic scenes using wearable visual-inertial sensors. , 2014, , .		3
23	Real-time face detection for human robot interaction. , 2009, , .		6