

Bingwei He

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

57
papers

336
citations

8
h-index

16
g-index

74
ext. papers

456
ext. citations

3.6
avg, IF

3.94
L-index

#	Paper	IF	Citations
57	Coarse-to-fine airway segmentation using multi information fusion network and CNN-based region growing.. <i>Computer Methods and Programs in Biomedicine</i> , 2022 , 215, 106610	6.9	0
56	Immersive Virtual Reality-Based Cognitive Intervention for the Improvement of Cognitive Function, Depression, and Perceived Stress in Older Adults With Mild Cognitive Impairment and Mild Dementia: Pilot Pre-Post Study.. <i>JMIR Serious Games</i> , 2022 , 10, e32117	3.4	1
55	Augmented reality for oral and maxillofacial surgery: the feasibility of a marker-free registration method.. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , 2022 , e2401	2.9	1
54	A Flexible Temperature Sensor for Noncontact Human-Machine Interaction. <i>Materials</i> , 2021 , 14,	3.5	1
53	Low-complexity Prescribed Performance Control for Unmanned Aerial Manipulator Robot System Under Model Uncertainty and Unknown Disturbances. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 1-1	11.9	1
52	Marker-less augmented reality based on monocular vision for falx meningioma localization. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , 2021 , e2341	2.9	0
51	Textile-Based Mechanical Sensors: A Review. <i>Materials</i> , 2021 , 14,	3.5	3
50	The sliding mode control approach design for nonholonomic mobile robots based on non-negative piecewise predefined-time control law. <i>IET Control Theory and Applications</i> , 2021 , 15, 1286-1296	2.5	1
49	High-Accuracy Real-Time Fish Detection Based on Self-Build Dataset and RIRD-YOLOv3. <i>Complexity</i> , 2021 , 2021, 1-8	1.6	1
48	Find Outliers of Image Edge Consistency by Weighted Local Linear Regression with Equality Constraints. <i>Sensors</i> , 2021 , 21,	3.8	1
47	A virtual reality-based data analysis for optimizing freehand external ventricular drain insertion. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2021 , 16, 269-276	3.9	3
46	A Multi-Modal Edge Consistency Metric Based on Regression Robustness of Truncated SVD. <i>IEEE Signal Processing Letters</i> , 2021 , 28, 1065-1069	3.2	
45	Application evaluation of virtual reality technology in dental implant training: a new dental implant training system: A CONSORT-compliant trial. <i>Medicine (United States)</i> , 2021 , 100, e27355	1.8	
44	Adaptive Predefined-Time Synchronization of Two Different Fractional-Order Chaotic Systems With Time-Delay. <i>IEEE Access</i> , 2021 , 9, 31908-31920	3.5	7
43	ST-FMT*: A Fast Optimal Global Motion Planning for Mobile Robot. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	0
42	Haptic-based virtual reality simulator for lateral ventricle puncture operation. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , 2020 , 16, 1-10	2.9	2
41	An Extrinsic Calibration Method With Closed-Form Solution for Underwater Opti-Acoustic Imaging System. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2020 , 69, 6828-6842	5.2	5

40	Pose Synchronization of Multiple Networked Manipulators Using Nonsingular Terminal Sliding Mode Control. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 1-13	7.3	1
39	Boosting dark channel dehazing via weighted local constant assumption. <i>Signal Processing</i> , 2020 , 171, 107453	4.4	11
38	ALRe: Outlier Detection for Guided Refinement. <i>Lecture Notes in Computer Science</i> , 2020 , 788-802	0.9	
37	Efficient and High-Quality Monocular Depth Estimation via Gated Multi-Scale Network. <i>IEEE Access</i> , 2020 , 8, 7709-7718	3.5	4
36	Development and evaluation of a craniocerebral model with tactile-realistic feature and intracranial pressure for neurosurgical training. <i>Journal of NeuroInterventional Surgery</i> , 2020 , 12, 94-97	7.8	11
35	Multimodal Multiobject Tracking by Fusing Deep Appearance Features and Motion Information. <i>Complexity</i> , 2020 , 2020, 1-10	1.6	0
34	Robust Control for Unmanned Aerial Manipulator Under Disturbances. <i>IEEE Access</i> , 2020 , 8, 129869-129877	3.7	3
33	Enhancing the settling time estimation of fixed-time stability and applying it to the predefined-time synchronization of delayed memristive neural networks with external unknown disturbance. <i>Chaos</i> , 2020 , 30, 083110	3.3	5
32	Distributed Cooperative Obstacle Avoidance for Mobile Robots Using Independent Virtual Center Points. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2020 , 98, 791-805	2.9	4
31	Dark Channel: The Devil is in the Details. <i>IEEE Signal Processing Letters</i> , 2019 , 26, 981-985	3.2	8
30	Scene flow estimation by depth map upsampling and layer assignment for camera-LiDAR system. <i>Journal of Visual Communication and Image Representation</i> , 2019 , 64, 102616	2.7	1
29	Single Image Dehazing Based on Dark Channel Prior and Energy Minimization. <i>IEEE Signal Processing Letters</i> , 2018 , 25, 174-178	3.2	35
28	Scene flow for 3D laser scanner and camera system. <i>IET Image Processing</i> , 2018 , 12, 612-618	1.7	4
27	Static map reconstruction and dynamic object tracking for a camera and laser scanner system. <i>IET Computer Vision</i> , 2018 , 12, 384-392	1.4	4
26	Vision-and-Lidar Based Real-time Outdoor Localization for Unmanned Ground Vehicles without GPS 2018 ,		2
25	Automatic 3D model acquisition for unknown objects based on hybrid vision technology. <i>International Journal of Precision Engineering and Manufacturing</i> , 2017 , 18, 275-284	1.7	2
24	Atmospheric light estimation in hazy images based on color-plane model. <i>Computer Vision and Image Understanding</i> , 2017 , 165, 33-42	4.3	7
23	Force measurement system for invisalign based on thin film single force sensor. <i>Measurement: Journal of the International Measurement Confederation</i> , 2017 , 97, 1-7	4.6	6

22	Teleoperation of multiple cooperative slave manipulators using graph-based non-singular terminal sliding-mode control 2017 ,			6
21	Dynamic objects detection and tracking for a laser scanner and camera system 2017 ,			2
20	Dehazing via graph cut. <i>Optical Engineering</i> , 2017 , 56, 1	1.1		10
19	An automatic calibration between an omni-directional camera and a laser rangefinder for dynamic scenes reconstruction 2016 ,			1
18	INFLUENCE OF FRICTION IN TRANSPARENT TOOTH CORRECTION TREATMENT: FINITE ELEMENT METHOD. <i>Journal of Mechanics in Medicine and Biology</i> , 2015 , 15, 1550052	0.7		4
17	Optimization of configuration of attachment in tooth translation with transparent tooth correction by appropriate moment-to-force ratios: Biomechanical analysis. <i>Bio-Medical Materials and Engineering</i> , 2015 , 26 Suppl 1, S507-17	1		5
16	Finite element method analysis of the periodontal ligament in mandibular canine movement with transparent tooth correction treatment. <i>BMC Oral Health</i> , 2015 , 15, 106	3.7		17
15	Calibration method for a structured light measurement system with two different focal length cameras. <i>Measurement: Journal of the International Measurement Confederation</i> , 2015 , 73, 462-472	4.6		5
14	Obtaining four-dimensional vibration information for vibrating surfaces with a Kinect sensor. <i>Measurement: Journal of the International Measurement Confederation</i> , 2015 , 65, 149-165	4.6		6
13	Geometric error compensation for multi-axis CNC machines based on differential transformation. <i>International Journal of Advanced Manufacturing Technology</i> , 2014 , 71, 635-642	3.2		47
12	GM-PHD-Based Multi-Target Visual Tracking Using Entropy Distribution and Game Theory. <i>IEEE Transactions on Industrial Informatics</i> , 2014 , 10, 1064-1076	11.9		58
11	Tracking humans in mutual occlusion based on game theory 2013 ,			3
10	Atomic force microscopy tip characteriser based on the fabrication of nanorod array structures. <i>Micro and Nano Letters</i> , 2013 , 8, 861-864	0.9		2
9	Multi-target visual tracking with game theory-based mutual occlusion handling 2013 ,			1
8	Birth intensity online estimation in GM-PHD filter for multi-target visual tracking 2012 ,			5
7	Calibration method for a central catadioptric-perspective camera system. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2012 , 29, 2514-24	1.8		11
6	Automatic view planning for 3D reconstruction and occlusion handling based on the integration of active and passive vision 2012 ,			2
5	A Novel Occlusion Planning Method for Unknown 3D Objects Automatic Reconstruction 2010 ,			1

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| 4 | A Simple Rectification Method of Stereo Image Pairs with Calibrated Cameras 2010 , | 7 |
| 3 | A Novel View Planning Method for Automatic Reconstruction of Unknown 3-D Objects Based on the Limit Visual Surface 2009 , | 2 |
| 2 | Research on new view planning method for automatic reconstruction of unknown 3D objects 2009 , | 2 |
| 1 | A novel virtual reality simulation training system with haptic feedback for improving lateral ventricle puncture skill. <i>Virtual Reality</i> ,1 | 6 0 |