

Chen Feng

List of Publications by Citations

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Version: 2024-04-23

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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.

51
papers

1,361
citations

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h-index

36
g-index

58
ext. papers

2,004
ext. citations

6.2
avg. IF

5.25
L-index

#	Paper	IF	Citations
51	FoldingNet: Point Cloud Auto-Encoder via Deep Grid Deformation 2018 ,		263
50	Mining Point Cloud Local Structures by Kernel Correlation and Graph Pooling 2018 ,		169
49	2013 ,		105
48	CASENet: Deep Category-Aware Semantic Edge Detection 2017 ,		101
47	Geometric distortion metrics for point cloud compression 2017 ,		88
46	Fast plane extraction in organized point clouds using agglomerative hierarchical clustering 2014 ,		82
45	Vision guided autonomous robotic assembly and as-built scanning on unstructured construction sites. <i>Automation in Construction</i> , 2015 , 59, 128-138	9.6	58
44	. <i>IEEE Transactions on Signal Processing</i> , 2018 , 66, 666-681	4.8	58
43	Deep Active Learning for Civil Infrastructure Defect Detection and Classification 2017 ,		40
42	An Occupancy Grid Mapping enhanced visual SLAM for real-time locating applications in indoor GPS-denied environments. <i>Automation in Construction</i> , 2019 , 104, 230-245	9.6	30
41	LUVLi Face Alignment: Estimating Landmarks Location, Uncertainty, and Visibility Likelihood 2020 ,		30
40	3D Point Cloud Processing and Learning for Autonomous Driving: Impacting Map Creation, Localization, and Perception. <i>IEEE Signal Processing Magazine</i> , 2021 , 38, 68-86	9.4	28
39	Sensitivity analysis of augmented reality-assisted building damage reconnaissance using virtual prototyping. <i>Automation in Construction</i> , 2013 , 33, 24-36	9.6	26
38	Simultaneous Edge Alignment and Learning. <i>Lecture Notes in Computer Science</i> , 2018 , 400-417	0.9	25
37	Conceptual Framework to Optimize Building Energy Consumption by Coupling Distributed Energy Simulation and Occupancy Models. <i>Journal of Computing in Civil Engineering</i> , 2014 , 28, 50-62	5	22
36	Plane Registration Leveraged by Global Constraints for Context-Aware AEC Applications. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2013 , 28, 325-343	8.4	19
35	2019 ,		19

34	Camera marker networks for articulated machine pose estimation. <i>Automation in Construction</i> , 2018 , 96, 148-160	9.6	18
33	VLASE: Vehicle Localization by Aggregating Semantic Edges 2018 ,		14
32	FasTFit: A fast T-spline fitting algorithm. <i>CAD Computer Aided Design</i> , 2017 , 92, 11-21	2.9	12
31	2012 ,		11
30	Siamese Anchor Proposal Network for High-Speed Aerial Tracking 2021 ,		11
29	Dynamic OriginDestination Matrix Prediction with Line Graph Neural Networks and Kalman Filter. <i>Transportation Research Record</i> , 2020 , 2674, 491-503	1.7	10
28	Deep Unsupervised Learning of 3D Point Clouds via Graph Topology Inference and Filtering. <i>IEEE Transactions on Image Processing</i> , 2019 ,	8.7	10
27	Contour-enhanced resampling of 3D point clouds via graphs 2017 ,		10
26	Onboard Real-Time Aerial Tracking With Efficient Siamese Anchor Proposal Network. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 1-13	8.1	10
25	A scene-adaptive descriptor for visual SLAM-based locating applications in built environments. <i>Automation in Construction</i> , 2020 , 112, 103067	9.6	9
24	Towards Autonomous Robotic In-Situ Assembly on Unstructured Construction Sites Using Monocular Vision 2014 ,		8
23	Real-Time Soft Body 3D Proprioception via Deep Vision-Based Sensing. <i>IEEE Robotics and Automation Letters</i> , 2020 , 5, 3382-3389	4.2	7
22	Compression of 3-D point clouds using hierarchical patch fitting 2017 ,		7
21	Real-Time Occlusion Handling for Dynamic Augmented Reality Using Geometric Sensing and Graphical Shading. <i>Journal of Computing in Civil Engineering</i> , 2013 , 27, 607-621	5	7
20	Vision-Based Articulated Machine Pose Estimation for Excavation Monitoring and Guidance 2015 ,		6
19	Mask strategy and layout decomposition for self-aligned quadruple patterning 2013 ,		5
18	Regularizing Neural Networks via Minimizing Hyperspherical Energy 2020 ,		5
17	User-Guided Dimensional Analysis of Indoor Building Environments from Single Frames of RGB-D Sensors. <i>Journal of Computing in Civil Engineering</i> , 2017 , 31, 04017006	5	4

16	Mobile projective augmented reality for collaborative robots in construction. <i>Automation in Construction</i> , 2021 , 127, 103704	9.6	4
15	Direct Multichannel Tracking 2017 ,		3
14	Marker-Assisted Structure from Motion for 3D Environment Modeling and Object Pose Estimation 2016 ,		3
13	Detecting and Grouping Identical Objects for Region Proposal and Classification 2017 ,		2
12	Coupling Distributed Energy Simulation and Occupancy Models for Comprehensive Building Energy Consumption Analysis 2013 ,		2
11	Rapid geometric modeling for visual simulation using semi-automated reconstruction from single image. <i>Engineering With Computers</i> , 2014 , 30, 31-39	4.5	2
10	Automatic Failure Recovery and Re-Initialization for Online UAV Tracking with Joint Scale and Aspect Ratio Optimization 2020 ,		2
9	Human-Robot Integration for Pose Estimation and Semi-Autonomous Navigation on Unstructured Construction Sites 2013 ,		2
8	An assistive low-vision platform that augments spatial cognition through proprioceptive guidance: Point-to-Tell-and-Touch 2019 ,		2
7	Occlusion Handling Method for Ubiquitous Augmented Reality Using Reality Capture Technology and GLSL 2011 ,		1
6	SPARE3D: A Dataset for SPATial REasoning on Three-View Line Drawings 2020 ,		1
5	UGLLI Face Alignment: Estimating Uncertainty with Gaussian Log-Likelihood Loss 2019 ,		1
4	Unsupervised Joint 3D Object Model Learning and 6D Pose Estimation for Depth-Based Instance Segmentation 2019 ,		1
3	Enhancing Visual SLAM with Occupancy Grid Mapping for Real-Time Locating Applications in Indoor GPS-Denied Environments 2019 ,		1
2	Real-Time Robust 3D Plane Extraction for Wearable Robot Perception and Control 2018 ,		1
1	Deep Weakly Supervised Positioning for Indoor Mobile Robots. <i>IEEE Robotics and Automation Letters</i> , 2022 , 7, 1206-1213	4.2	