

# Junjie Chen

## List of Publications by Citations

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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.

24  
papers

182  
citations

10  
h-index

13  
g-index

28  
ext. papers

360  
ext. citations

6.7  
avg, IF

4.03  
L-index

#	Paper	IF	Citations
24	Dynamic BIM-augmented UAV safety inspection for water diversion project. <i>Computers in Industry</i> , <b>2019</b> , 108, 163-177	11.6	29
23	Collaborative operation and real-time control of roller fleet for asphalt pavement compaction. <i>Automation in Construction</i> , <b>2019</b> , 98, 16-29	9.6	21
22	Detecting, locating, and characterizing voids in disaster rubble for search and rescue. <i>Advanced Engineering Informatics</i> , <b>2019</b> , 42, 100974	7.4	13
21	Using computer vision to recognize composition of construction waste mixtures: A semantic segmentation approach. <i>Resources, Conservation and Recycling</i> , <b>2022</b> , 178, 106022	11.9	13
20	Integrating Building Information Model and Augmented Reality for Drone-Based Building Inspection. <i>Journal of Computing in Civil Engineering</i> , <b>2021</b> , 35, 04020073	5	13
19	An integrated visualization framework to support whole-process management of water pipeline safety. <i>Automation in Construction</i> , <b>2018</b> , 89, 24-37	9.6	12
18	Intelligent compaction practice and development: a bibliometric analysis. <i>Engineering, Construction and Architectural Management</i> , <b>2019</b> , 27, 1213-1232	3.1	11
17	Bottom-up image detection of water channel slope damages based on superpixel segmentation and support vector machine. <i>Advanced Engineering Informatics</i> , <b>2021</b> , 47, 101205	7.4	11
16	Registering georeferenced photos to a building information model to extract structures of interest. <i>Advanced Engineering Informatics</i> , <b>2019</b> , 42, 100937	7.4	10
15	"Looking beneath the surface": A visual-physical feature hybrid approach for unattended gauging of construction waste composition. <i>Journal of Environmental Management</i> , <b>2021</b> , 286, 112233	7.9	10
14	AiRobSim: Simulating a Multisensor Aerial Robot for Urban Search and Rescue Operation and Training. <i>Sensors</i> , <b>2020</b> , 20,	3.8	7
13	Real-Time Optimization of Precast Concrete Component Transportation and Storage. <i>Advances in Civil Engineering</i> , <b>2020</b> , 2020, 1-18	1.3	6
12	Energy consumption of 270 schools in Tianjin, China. <i>Frontiers in Energy</i> , <b>2015</b> , 9, 217-230	2.6	5
11	Computer vision for solid waste sorting: A critical review of academic research.. <i>Waste Management</i> , <b>2022</b> , 142, 29-43	8.6	5
10	Indoor camera pose estimation via style-transfer 3D models. <i>Computer-Aided Civil and Infrastructure Engineering</i> ,	8.4	5
9	Extracting water channels from aerial videos based on image-to-BIM registration and spatio-temporal continuity. <i>Automation in Construction</i> , <b>2021</b> , 132, 103970	9.6	3
8	Computer vision to recognize construction waste compositions: A novel boundary-aware transformer (BAT) model.. <i>Journal of Environmental Management</i> , <b>2022</b> , 305, 114405	7.9	2

7	Estimating construction waste truck payload volume using monocular vision. <i>Resources, Conservation and Recycling</i> , <b>2022</b> , 177, 106013	11.9	2
6	Sustainable built environment for facilitating public health of older adults: Evidence from Hong Kong. <i>Sustainable Development</i> ,	6.7	2
5	A Cyber-Physical System for Multi-Roller Control in Mega Infrastructure Projects <b>2020</b> ,		1
4	Reconstructing unseen spaces in collapsed structures for search and rescue via deep learning based radargram inversion. <i>Automation in Construction</i> , <b>2022</b> , 140, 104380	9.6	1
3	Align to locate: Registering photogrammetric point clouds to BIM for robust indoor localization. <i>Building and Environment</i> , <b>2022</b> , 209, 108675	6.5	0
2	Roller-Integrated Compaction Assessment of Earth-Rock Dam Materials Considering Operation Modes. <i>Geotechnical Testing Journal</i> , <b>2021</b> , 44, 20200126	1.3	0
1	Detecting, extracting and classifying foreign objects in inter-basin channels to ensure water supply safety. <i>Journal of Hydroinformatics</i> , <b>2022</b> , 24, 113-127	2.6	