Shuai Li

List of Publications by Year
in descending order

28 papers	696 citations	516561 16 h-index	610775 24 g-index
28 all docs	28 docs citations	28 times ranked	507 citing authors

#	Article	IF	Citations
1	Uncertainty-aware geospatial system for mapping and visualizing underground utilities. Automation in Construction, 2015, 53, 105-119.	4.8	62
2	Real-Time Quality Monitoring and Control of Highway Compaction. Automation in Construction, 2016, 62, 114-123.	4.8	62
3	Improved Mask R-CNN with distance guided intersection over union for GPR signature detection and segmentation. Automation in Construction, 2021, 121, 103414.	4.8	56
4	Government incentive impacts on private investment behaviors under demand uncertainty. Transportation Research, Part E: Logistics and Transportation Review, 2017, 101, 115-129.	3.7	51
5	Integrating Building Information Model and Augmented Reality for Drone-Based Building Inspection. Journal of Computing in Civil Engineering, 2021, 35, .	2.5	48
6	Infrastructure financing with project bond and credit default swap under public-private partnerships. International Journal of Project Management, 2017, 35, 406-419.	2.7	45
7	Segmenting areas of potential contamination for adaptive robotic disinfection in built environments. Building and Environment, 2020, 184, 107226.	3.0	40
8	Deep Learning-Based Subsurface Target Detection From GPR Scans. IEEE Sensors Journal, 2021, 21, 8161-8171.	2.4	36
9	Collaborative operation and real-time control of roller fleet for asphalt pavement compaction. Automation in Construction, 2019, 98, 16-29.	4.8	34
10	Mixture Density Networks-Based Knock Simulator. IEEE/ASME Transactions on Mechatronics, 2022, 27, 159-168.	3.7	33
11	A real-time monitoring system for lift-thickness control in highway construction. Automation in Construction, 2016, 63, 27-36.	4.8	26
12	Government contracting with monopoly in infrastructure provision: Regulation or deregulation?. Transportation Research, Part E: Logistics and Transportation Review, 2019, 122, 506-523.	3.7	26
13	Indoor camera pose estimation via style€transfer 3D models. Computer-Aided Civil and Infrastructure Engineering, 2022, 37, 335-353.	6.3	26
14	Empirical Analysis of Capital Structure Determinants in Infrastructure Projects under Public€"Private Partnerships. Journal of Construction Engineering and Management - ASCE, 2019, 145, .	2.0	20
15	An integrated visualization framework to support whole-process management of water pipeline safety. Automation in Construction, 2018, 89, 24-37.	4.8	19
16	AiRobSim: Simulating a Multisensor Aerial Robot for Urban Search and Rescue Operation and Training. Sensors, 2020, 20, 5223.	2.1	17
17	Align to locate: Registering photogrammetric point clouds to BIM for robust indoor localization. Building and Environment, 2022, 209, 108675.	3.0	16
18	Comparative analysis of impact of human occupancy on indoor microbiomes. Frontiers of Environmental Science and Engineering, 2021, 15, 89.	3.3	14

#	Article	IF	Citations
19	Recognizing object surface materials to adapt robotic disinfection in infrastructure facilities. Computer-Aided Civil and Infrastructure Engineering, 2022, 37, 1521-1546.	6.3	14
20	Reconstructing unseen spaces in collapsed structures for search and rescue via deep learning based radargram inversion. Automation in Construction, 2022, 140, 104380.	4.8	14
21	Fusing Heterogeneous Information for Underground Utility Map Generation Based on Dempster-Shafer Theory. Journal of Computing in Civil Engineering, 2020, 34, 04020013.	2.5	10
22	Infrastructure privatization analysis: A public-private duopoly game. Transport Policy, 2019, 83, 80-87.	3.4	7
23	Pseudo-random Number Sequence Generator Based on Chaotic Logistic-Tent System. , 2019, , .		6
24	Real option-based optimization for financial incentive allocation in infrastructure projects under public-private partnerships. Frontiers of Engineering Management, 2020, 7, 413-425.	3.3	6
25	Influence of market structures on concession pricing in Public-Private-Partnership utilities with asymmetric information. Utilities Policy, 2021, 69, 101162.	2.1	5
26	A Cyber-Physical System for Multi-Roller Control in Mega Infrastructure Projects. , 2020, , .		1
27	Ground-penetrating radar-based root architecture detection and characterization. , 2020, , .		1
28	3D reconstruction of voids in disaster rubble using ground-penetrating radar. , 2020, , .		1