

Seokho Chi

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.

63

papers

1,175

citations

19

h-index

32

g-index

76

ext. papers

1,596

ext. citations

5.4

avg, IF

5.57

L-index

#	Paper	IF	Citations
63	Automated system for construction specification review using natural language processing. <i>Advanced Engineering Informatics</i> , 2022 , 51, 101495	7.4	1
62	Development of training image database using web crawling for vision-based site monitoring. <i>Automation in Construction</i> , 2022 , 135, 104141	9.6	1
61	Damage Prediction on Bridge Decks considering Environmental Effects with the Application of Deep Neural Networks. <i>KSCE Journal of Civil Engineering</i> , 2021 , 25, 371-385	1.9	1
60	Natural language processing-based characterization of top-down communication in smart cities for enhancing citizen alignment. <i>Sustainable Cities and Society</i> , 2021 , 66, 102674	10.1	10
59	A few-shot learning approach for database-free vision-based monitoring on construction sites. <i>Automation in Construction</i> , 2021 , 124, 103566	9.6	4
58	Understanding the Influences of Urban-Specific Contexts for Smart City Development Using Structural Equation Modeling. <i>Journal of the Urban Planning and Development Division, ASCE</i> , 2021 , 147, 04021010	2.2	3
57	Automated Construction Specification Review with Named Entity Recognition Using Natural Language Processing. <i>Journal of Construction Engineering and Management - ASCE</i> , 2021 , 147, 04020147	4.2	12
56	Semantic text-pairing for relevant provision identification in construction specification reviews. <i>Automation in Construction</i> , 2021 , 128, 103780	9.6	6
55	Hybrid kinematic visual sensing approach for activity recognition of construction equipment. <i>Journal of Building Engineering</i> , 2021 , 44, 102709	5.2	0
54	Multi-camera vision-based productivity monitoring of earthmoving operations. <i>Automation in Construction</i> , 2020 , 112, 103121	9.6	26
53	UAV-RFID Integration for Construction Resource Localization. <i>KSCE Journal of Civil Engineering</i> , 2020 , 24, 1683-1695	1.9	15
52	Human activity classification based on sound recognition and residual convolutional neural network. <i>Automation in Construction</i> , 2020 , 114, 103177	9.6	18
51	Quantifying the dynamic effects of smart city development enablers using structural equation modeling. <i>Sustainable Cities and Society</i> , 2020 , 53, 101916	10.1	27
50	Bridge Damage Recognition from Inspection Reports Using NER Based on Recurrent Neural Network with Active Learning. <i>Journal of Performance of Constructed Facilities</i> , 2020 , 34, 04020119	2	8
49	Towards database-free vision-based monitoring on construction sites: A deep active learning approach. <i>Automation in Construction</i> , 2020 , 120, 103376	9.6	20
48	Occupant behavior monitoring and emergency event detection in single-person households using deep learning-based sound recognition. <i>Building and Environment</i> , 2020 , 181, 107092	6.5	9
47	Impact of Work Environment and Occupational Stress on Safety Behavior of Individual Construction Workers. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	4

46	Xgboost application on bridge management systems for proactive damage estimation. <i>Advanced Engineering Informatics</i> , 2019 , 41, 100922	7.4	36
45	Bridge Damage Prediction Using Deep Neural Network 2019 ,		1
44	Bridge Clustering for Systematic Recognition of Damage Patterns on Bridge Elements. <i>Journal of Computing in Civil Engineering</i> , 2019 , 33, 04019028	5	6
43	Action recognition of earthmoving excavators based on sequential pattern analysis of visual features and operation cycles. <i>Automation in Construction</i> , 2019 , 104, 255-264	9.6	50
42	Optimal route selection model for fire evacuations based on hazard prediction data. <i>Simulation Modelling Practice and Theory</i> , 2019 , 94, 321-333	3.9	20
41	Sequential Pattern Learning of Visual Features and Operation Cycles for Vision-Based Action Recognition of Earthmoving Excavators 2019 ,		2
40	Sequential Pattern Analyses of Damages on Bridge Elements for Preventive Maintenance 2019 , 521-527		1
39	Sound Event Recognition-Based Classification Model for Automated Emergency Detection in Indoor Environment 2019 , 529-535		1
38	Systematic Camera Placement Framework for Operation-Level Visual Monitoring on Construction Jobsites. <i>Journal of Construction Engineering and Management - ASCE</i> , 2019 , 145, 04019019	4.2	20
37	Automatic Review of Construction Specifications Using Natural Language Processing 2019 ,		4
36	Accident Case Retrieval and Analyses: Using Natural Language Processing in the Construction Industry. <i>Journal of Construction Engineering and Management - ASCE</i> , 2019 , 145, 04019004	4.2	42
35	Multimethod Supply Chain Simulation Model for High-Rise Building Construction Projects. <i>Journal of Computing in Civil Engineering</i> , 2018 , 32, 04018007	5	6
34	Interaction analysis for vision-based activity identification of earthmoving excavators and dump trucks. <i>Automation in Construction</i> , 2018 , 87, 297-308	9.6	58
33	Predicting Construction Cost Index Using the Autoregressive Fractionally Integrated Moving Average Model. <i>Journal of Management in Engineering - ASCE</i> , 2018 , 34, 04017063	5.3	8
32	A Progress Measurement Framework for Large-Scale Urban Construction Projects. <i>KSCE Journal of Civil Engineering</i> , 2018 , 22, 2188-2194	1.9	6
31	Selecting Network-Level Project Sections for Sustainable Pavement Management in Texas. <i>Sustainability</i> , 2018 , 10, 686	3.6	6
30	The Relationship between Unbilled Accounts Receivable and Financial Performance of Construction Contractors. <i>Sustainability</i> , 2018 , 10, 2679	3.6	1
29	Camera Placement Optimization for Vision-based Monitoring on Construction Sites 2018 ,		2

28	Document Management System Using Text Mining for Information Acquisition of International Construction. <i>KSCE Journal of Civil Engineering</i> , 2018 , 22, 4791-4798	1.9	10
27	Quantifying combination effects of project management practices on cost performance. <i>KSCE Journal of Civil Engineering</i> , 2017 , 21, 603-615	1.9	6
26	Trends of Fall Accidents in the U.S. Construction Industry. <i>Journal of Construction Engineering and Management - ASCE</i> , 2017 , 143, 04017043	4.2	64
25	A Preliminary Study on Disaster Waste Detection and Volume Estimation Based on 3D Spatial Information 2017 ,		4
24	Adaptive Detector and Tracker on Construction Sites Using Functional Integration and Online Learning. <i>Journal of Computing in Civil Engineering</i> , 2017 , 31, 04017026	5	25
23	Investigating residents' perceptions of green retrofit program in mature residential estates: The case of Singapore. <i>Habitat International</i> , 2017 , 63, 103-112	4.6	33
22	A Spatial Disaster Assessment Model of Social Resilience Based on Geographically Weighted Regression. <i>Sustainability</i> , 2017 , 9, 2222	3.6	23
21	Agent-Based Lift System Simulation Model for High-Rise Building Construction Projects. <i>Journal of Computing in Civil Engineering</i> , 2017 , 31, 04017064	5	6
20	Vision-Based Activity Analysis Framework Considering Interactive Operation of Construction Equipment 2017 ,		1
19	Development of a Safety Inspection Framework on Construction Sites Using Mobile Computing. <i>Journal of Management in Engineering - ASCE</i> , 2017 , 33, 04016048	5.3	19
18	An Exploratory Analysis of Risks in Green Residential Building Construction Projects: The Case of Singapore. <i>Sustainability</i> , 2017 , 9, 1116	3.6	34
17	Analyzing psychological conditions of field-workers in the construction industry. <i>International Journal of Occupational and Environmental Health</i> , 2017 , 23, 261-281		17
16	Assessment of staffing needs for construction inspection. <i>KSCE Journal of Civil Engineering</i> , 2016 , 20, 2598-2603	1.9	1
15	A Framework for Developing an Estimation Model of Damages on Bridge Elements Using Big Data Analytics 2016 ,		3
14	ACCIDENT RISK IDENTIFICATION AND ITS IMPACT ANALYSES FOR STRATEGIC CONSTRUCTION SAFETY MANAGEMENT. <i>Journal of Civil Engineering and Management</i> , 2015 , 21, 524-538	3	14
13	Negotiating subcontract conditions in the Australian construction industry. <i>KSCE Journal of Civil Engineering</i> , 2015 , 19, 485-497	1.9	3
12	Sustainable Road Management in Texas: Network-Level Flexible Pavement Structural Condition Analysis Using Data-Mining Techniques. <i>Journal of Computing in Civil Engineering</i> , 2014 , 28, 156-165	5	7
11	Analyses of systems theory for construction accident prevention with specific reference to OSHA accident reports. <i>International Journal of Project Management</i> , 2013 , 31, 1027-1041	7.6	82

10	Development of Network-Level Project Screening Methods Supporting the 4-Year Pavement Management Plan in Texas. <i>Journal of Management in Engineering - ASCE</i> , 2013 , 29, 482-494	5.3	19
9	Relationship between Unsafe Working Conditions and Workers' Behavior and Impact of Working Conditions on Injury Severity in U.S. Construction Industry. <i>Journal of Construction Engineering and Management - ASCE</i> , 2013 , 139, 826-838	4.2	79
8	Real-Time Information Support for Strategic Safety Inspection on Construction Sites 2013 ,		3
7	Design of a preliminary error impact analysis model for spatial safety assessment of earthmoving operations. <i>Automation in Construction</i> , 2012 , 22, 212-222	9.6	5
6	Development of a data mining-based analysis framework for multi-attribute construction project information. <i>Advanced Engineering Informatics</i> , 2012 , 26, 574-581	7.4	18
5	Image-Based Safety Assessment: Automated Spatial Safety Risk Identification of Earthmoving and Surface Mining Activities. <i>Journal of Construction Engineering and Management - ASCE</i> , 2012 , 138, 341-351	4.2	75
4	Automated Object Identification Using Optical Video Cameras on Construction Sites. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2011 , 26, 368-380	8.4	126
3	A Methodology for Object Identification and Tracking in Construction Based on Spatial Modeling and Image Matching Techniques. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2009 , 24, 199-211	8.4	54
2	Intelligent Computing and Sensing for Active Safety on Construction Sites. <i>Lecture Notes in Computer Science</i> , 2006 , 101-108	0.9	1
1	Internal Communication Effectiveness Model for Construction Companies: A Case Study of the Korean Construction Industry. <i>KSCE Journal of Civil Engineering</i> , 1	1.9	0