

Chunhee Cho

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.

16 papers	154 citations	7 h-index	12 g-index
16 ext. papers	212 ext. citations	3.1 avg, IF	3.06 L-index

#	Paper	IF	Citations
16	Strength prediction of steel CHS X-joints via leveraging finite element method and machine learning solutions. <i>Journal of Constructional Steel Research</i> , 2021 , 176, 106394	3.8	4
15	Framework for Automated Generation of Constructible Steel Erection Sequences Using Structural Information of Static Indeterminacy Variation in BIM. <i>KSCE Journal of Civil Engineering</i> , 2020 , 24, 3169-3178	1.9	2
14	Automated scaffolding safety analysis: strain feature investigation using support vector machines. <i>Canadian Journal of Civil Engineering</i> , 2020 , 47, 921-928	1.3	
13	Emergency response: Effect of human detection resolution on risks during indoor mass shooting events. <i>Safety Science</i> , 2019 , 114, 160-170	5.8	9
12	Enhanced Machine Learning Classification Accuracy for Scaffolding Safety Using Increased Features. <i>Journal of Construction Engineering and Management - ASCE</i> , 2019 , 145, 04018133	4.2	14
11	Energy loss in cement-based material for efficient sensor deployment at a site. <i>Canadian Journal of Civil Engineering</i> , 2018 , 45, 547-553	1.3	
10	An Embedded Sensory System for Worker Safety: Prototype Development and Evaluation. <i>Sensors</i> , 2018 , 18,	3.8	6
9	Data-Driven Monitoring System for Preventing the Collapse of Scaffolding Structures. <i>Journal of Construction Engineering and Management - ASCE</i> , 2018 , 144, 04018077	4.2	13
8	Machine Learning for Assessing Real-Time Safety Conditions of Scaffolds 2018 ,		2
7	Automated and Optimized Sensor Deployment using Building Models and Electromagnetic Simulation. <i>KSCE Journal of Civil Engineering</i> , 2018 , 22, 4739-4749	1.9	3
6	Automated Generation of Optimal Steel Sequences with Discrete Action, Status, and Interaction Simulation in BIM 2018 ,		1
5	An Eigenvalue Perturbation Solution for the Multiphysics Simulation of Antenna Strain Sensors. <i>IEEE Journal on Multiscale and Multiphysics Computational Techniques</i> , 2017 , 1-1	1.5	
4	Battery-free slotted patch antenna sensor for wireless strain and crack monitoring. <i>Smart Structures and Systems</i> , 2016 , 18, 1217-1231		8
3	Passive Wireless Frequency Doubling Antenna Sensor for Strain and Crack Sensing. <i>IEEE Sensors Journal</i> , 2016 , 16, 5725-5733	4	47
2	Wireless Mobile Sensor Network for the System Identification of a Space Frame Bridge. <i>IEEE/ASME Transactions on Mechatronics</i> , 2012 , 17, 499-507	5.5	38
1	Prediction of Column Axial Forces in Inverted V-braced Seismic Steel Frames Considering Brace Buckling. <i>Journal of Structural Engineering</i> , 2011 , 137, 1440-1450	3	7