

Bin Yang

List of Publications by Year in descending order

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33
papers

551
citations

1039406

9
h-index

642321

23
g-index

33
all docs

33
docs citations

33
times ranked

470
citing authors

#	ARTICLE	IF	CITATIONS
1	Comprehensive study on mechanical properties of coated biaxial warp-knitted fabrics. <i>Journal of Reinforced Plastics and Composites</i> , 2022, 41, 3-19.	1.6	3
2	Automatic detection of falling hazard from surveillance videos based on computer vision and building information modeling. <i>Structure and Infrastructure Engineering</i> , 2022, 18, 1049-1063.	2.0	8
3	Spatiotemporal correlation analysis of the dynamic response of supertall buildings under ambient wind conditions. <i>Structural Design of Tall and Special Buildings</i> , 2022, 31, .	0.9	2
4	A BIM-Based Approach to Automated Prefabricated Building Construction Site Layout Planning. <i>KSCE Journal of Civil Engineering</i> , 2022, 26, 1535-1552.	0.9	10
5	In-situ monitoring of glass fiber/epoxy composites by the embedded multi-walled carbon nanotube coated glass fiber sensor: From fabrication to application. <i>Polymer Composites</i> , 2022, 43, 4210-4222.	2.3	7
6	Wind characteristics atop Shanghai Tower during typhoon Jongdari using field monitoring data. <i>Journal of Building Engineering</i> , 2021, 33, 101815.	1.6	6
7	Vision-Based Framework for Automatic Progress Monitoring of Precast Walls by Using Surveillance Videos during the Construction Phase. <i>Journal of Computing in Civil Engineering</i> , 2021, 35, .	2.5	56
8	Review of Optimization Dynamically Applied in the Construction and the Application Potential of ICT. <i>Sustainability</i> , 2021, 13, 5478.	1.6	6
9	IFC-Based 4D Construction Management Information Model of Prefabricated Buildings and Its Application in Graph Database. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 7270.	1.3	10
10	Computer Vision-Based Construction Process Sensing for Cyber-Physical Systems: A Review. <i>Sensors</i> , 2021, 21, 5468.	2.1	5
11	Degradation of PVDF-Coated Fabrics after Engineering Applications: Correlations between Surface Microstructure, Physical Properties, and Mechanical Properties Based on Statistical Analysis. <i>Advances in Polymer Technology</i> , 2021, 2021, 1-16.	0.8	4
12	Reidentification-Based Automated Matching for 3D Localization of Workers in Construction Sites. <i>Journal of Computing in Civil Engineering</i> , 2021, 35, .	2.5	7
13	A novel construction scheduling framework for a mixed construction process of precast components and cast-in-place parts in prefabricated buildings. <i>Journal of Building Engineering</i> , 2021, 43, 103181.	1.6	8
14	Monitoring of wind effects on a wind-sensitive hybrid structure with single-layer cable-net curtain walls under Typhoon Muifa. <i>Journal of Building Engineering</i> , 2021, 44, 102960.	1.6	4
15	Realizing, Twinning, and Applying IFC-based 4D Construction Management Information Model of Prefabricated Buildings. , 2021, , .		1
16	The nonlinear orthotropic material model describing biaxial tensile behavior of PVC coated fabrics. <i>Composite Structures</i> , 2020, 236, 111850.	3.1	11
17	Semiautomatic Structural BIM-Model Generation Methodology Using CAD Construction Drawings. <i>Journal of Computing in Civil Engineering</i> , 2020, 34, .	2.5	13
18	Test and Numerical Study on Monotonic Behavior of Complex CFT Column Joints. <i>Advances in Civil Engineering</i> , 2019, 2019, 1-20.	0.4	0

#	ARTICLE	IF	CITATIONS
19	Statistical characteristics of naturally aged PVDF-coated fabricsâ€™ mechanical properties and structural reliability index. <i>Polymer Testing</i> , 2019, 80, 106143.	2.3	11
20	Experimental and Numerical Study on the Capability Behavior of a Thick-Walled Spatial Cast-Steel Joint under Complex Load Conditions. <i>Advances in Civil Engineering</i> , 2019, 2019, 1-19.	0.4	0
21	A BIM-based Quantity Calculation Framework for Frame-shear Wall Structure. <i>Structural Engineering International: Journal of the International Association for Bridge and Structural Engineering (IABSE)</i> , 2019, 29, 282-291.	0.5	10
22	T-CNN: Tubelets With Convolutional Neural Networks for Object Detection From Videos. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2018, 28, 2896-2907.	5.6	310
23	Health Monitoring System Developed for Tianjin 117 High-Rise Building. <i>Journal of Aerospace Engineering</i> , 2017, 30, .	0.8	23
24	Wind-Induced Response of an L-Shaped Cable Support Glass Curtain Wall. <i>Shock and Vibration</i> , 2017, 2017, 1-16.	0.3	4
25	Effects of Natural Ageing on Mechanical Properties of PVDF-Coated Fabrics. <i>Structural Engineering International: Journal of the International Association for Bridge and Structural Engineering (IABSE)</i> , 2016, 26, 348-356.	0.5	15
26	Solving truss topological optimization with discrete design variables via swarm intelligence. <i>KSCE Journal of Civil Engineering</i> , 2015, 19, 952-963.	0.9	3
27	Solving truss topological optimization via Swarm Intelligence. <i>KSCE Journal of Civil Engineering</i> , 2015, 19, 1962-1972.	0.9	3
28	Development and application of construction monitoring system for Shanghai Tower. <i>Smart Structures and Systems</i> , 2015, 15, 1019-1039.	1.9	0
29	Frame structural sizing and topological optimization via a parallel implementation of a modified particle Swarm algorithm. <i>KSCE Journal of Civil Engineering</i> , 2013, 17, 1359-1370.	0.9	4
30	Applying a Modified Particle Swarm Optimizer to Discrete Truss Topology Optimization. , 2010, , .		3
31	Frame Sizing and Topological Optimization Using a Modified Particle Swarm Algorithm. , 2010, , .		4
32	Free form design for single layer shell structures. , 2010, , .		0
33	A Parellelzing Modified Particle Swarm Optimizer and its Application to Discrete Topological Optimization. <i>Advanced Materials Research</i> , 0, 433-440, 4401-4408.	0.3	0