Yuli Huang

List of Publications by Year in descending order

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26 papers	1,303 citations	840119 11 h-index	676716 22 g-index
27 all docs	27 docs citations	27 times ranked	786 citing authors

#	Article	IF	Citations
1	Theoretical Model for Fiber-Reinforced Polymer-Confined Concrete. Journal of Composites for Construction, 2007, 11, 201-210.	1.7	424
2	A shear wall element for nonlinear seismic analysis of super-tall buildings using OpenSees. Finite Elements in Analysis and Design, 2015, 98, 14-25.	1.7	221
3	On the BFGS monolithic algorithm for the unified phase field damage theory. Computer Methods in Applied Mechanics and Engineering, 2020, 360, 112704.	3.4	139
4	Comprehensive implementations of phase-field damage models in Abaqus. Theoretical and Applied Fracture Mechanics, 2020, 106, 102440.	2.1	99
5	A variationally consistent phase-field anisotropic damage model for fracture. Computer Methods in Applied Mechanics and Engineering, 2020, 358, 112629.	3.4	80
6	Automated structural design of shear wall residential buildings using generative adversarial networks. Automation in Construction, 2021, 132, 103931.	4.8	71
7	Three-dimensional phase-field modeling of mode I + II/III failure in solids. Computer Methods in Applied Mechanics and Engineering, 2021, 373, 113537.	3.4	61
8	Real-Time Seismic Damage Prediction and Comparison of Various Ground Motion Intensity Measures Based on Machine Learning. Journal of Earthquake Engineering, 2022, 26, 4259-4279.	1.4	37
9	Intelligent structural design of shear wall residence using physicsâ€enhanced generative adversarial networks. Earthquake Engineering and Structural Dynamics, 2022, 51, 1657-1676.	2.5	37
10	A damping model for nonlinear dynamic analysis providing uniform damping over a frequency range. Computers and Structures, 2019, 212, 101-109.	2.4	31
11	Deep Transfer Learning and Time-Frequency Characteristics-Based Identification Method for Structural Seismic Response. Frontiers in Built Environment, 0, 7, .	1.2	16
12	Quantitative Analysis of Site-city Interaction Effects on Regional Seismic Damage of Buildings. Journal of Earthquake Engineering, 2022, 26, 4365-4385.	1.4	12
13	Regional Ground-Motion Simulation Using Recorded Ground Motions. Bulletin of the Seismological Society of America, 2021, 111, 825-838.	1.1	11
14	Automated Simulation Framework for Urban Wind Environments Based on Aerial Point Clouds and Deep Learning. Remote Sensing, 2021, 13, 2383.	1.8	9
15	Multi-Layer Shell Element for Shear Walls in OpenSees. , 2014, , .		8
16	Crack nucleation and propagation in the phase-field cohesive zone model with application to Hertzian indentation fracture. International Journal of Solids and Structures, 2022, 241, 111462.	1.3	8
17	Simulated Wave-Induced Erosion of the Mississippi Riverâ€“Gulf Outlet Levees during Hurricane Katrina. Journal of Waterway, Port, Coastal and Ocean Engineering, 2010, 136, 177-189.	0.5	7
18	Near real-time prediction of wind-induced tree damage at a city scale: Simulation framework and case study for Tsinghua University campus. International Journal of Disaster Risk Reduction, 2021, 53, 102003.	1.8	7

#	Article	IF	Citations
19	Advanced corrective training strategy for surrogating complex hysteretic behavior. Structures, 2022, 41, 1792-1803.	1.7	6
20	An efficient and unconditionally stable numerical algorithm for nonlinear structural dynamics. International Journal for Numerical Methods in Engineering, 2020, 121, 4614-4629.	1.5	5
21	Near-real-time prompt assessment for regional earthquake-induced landslides using recorded ground motions. Computers and Geosciences, 2021, 149, 104709.	2.0	4
22	Real-time seismic damage prediction and comparison of various ground motion intensity measures based on machine learning. , 2021, , .		3
23	Response Spectrum Analysis of Peak Floor Accelerations of Buildings under Earthquakes. Journal of Earthquake Engineering, 2022, 26, 7337-7352.	1.4	3
24	A universal rate-dependent damping model for arbitrary damping-frequency distribution. Engineering Structures, 2022, 255, 113894.	2.6	3
25	Structural Finite Element Software Coupling Using Adapter Elements. CMES - Computer Modeling in Engineering and Sciences, 2019, 120, 719-737.	0.8	1
26	Closure to â€œSimulated Wave-Induced Erosion of the Mississippi Riverâ€“Gulf Outlet Levees during Hurricane Katrinaâ€•by Rune Storesund, Robert G. Bea, and Yuli Huang. Journal of Waterway, Port, Coastal and Ocean Engineering, 2011, 137, 360-363.	0.5	0