

# Jian Zhong

## 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.

22 papers	263 citations	10 h-index	16 g-index
28 ext. papers	446 ext. citations	3 avg, IF	4.24 L-index

#	Paper	IF	Citations
22	An efficient axial-flexure-shear fiber beam model for dynamic analyses of beam-column framed structural systems under impact loading. <i>Ocean Engineering</i> , <b>2022</b> , 245, 110349	3.9	3
21	A simplified coupled model for predicting dynamic processes of vehicle impact on pier columns. <i>Structures</i> , <b>2022</b> , 41, 997-1013	3.4	0
20	Probabilistic seismic assessment of a new elastoplastic column-deck joint on the prefabricated frame-bridge. <i>Structures</i> , <b>2021</b> , 34, 3099-3112	3.4	0
19	Uniform Design-Based Gaussian Process Regression for Data-Driven Rapid Fragility Assessment of Bridges. <i>Journal of Structural Engineering</i> , <b>2021</b> , 147, 04021008	3	31
18	Risk-based design and optimization of shape memory alloy restrained sliding bearings for highway bridges under near-fault ground motions. <i>Engineering Structures</i> , <b>2021</b> , 241, 112421	4.7	10
17	Resilience-based performance and design of SMA/sliding bearing isolation system for highway bridges. <i>Bulletin of Earthquake Engineering</i> , <b>2021</b> , 19, 6187	3.7	3
16	Empirical models of bridge seismic fragility surface considering the vertical effect of near-fault ground motions. <i>Structures</i> , <b>2021</b> , 34, 2962-2973	3.4	1
15	The pulse effect on the isolation device optimization of simply supported bridges in near-fault regions. <i>Structures</i> , <b>2020</b> , 27, 853-867	3.4	12
14	Risk-informed sensitivity analysis and optimization of seismic mitigation strategy using Gaussian process surrogate model. <i>Soil Dynamics and Earthquake Engineering</i> , <b>2020</b> , 138, 106284	3.5	12
13	Seismic performance evaluation of fiber-reinforced concrete bridges under near-fault and far-field ground motions. <i>Structures</i> , <b>2020</b> , 28, 1366-1383	3.4	7
12	Near-fault seismic risk assessment of simply supported bridges. <i>Earthquake Spectra</i> , <b>2020</b> , 36, 1645-1669	3.4	17
11	Investigation of ground-motion spatial variability effects on component and system vulnerability of a floating cable-stayed bridge. <i>Advances in Structural Engineering</i> , <b>2019</b> , 22, 1923-1937	1.9	9
10	Optimal Seismic Intensity Measure Selection for Isolated Bridges under Pulse-Like Ground Motions. <i>Advances in Civil Engineering</i> , <b>2019</b> , 2019, 1-22	1.3	10
9	Influence of Multidirectional Cable Restrainer on Seismic Fragility of a Curved Bridge. <i>Journal of Bridge Engineering</i> , <b>2019</b> , 24, 04019001	2.7	12
8	Optimal Intensity Measures in Probabilistic Seismic Demand Models of Cable-Stayed Bridges Subjected to Pulse-Like Ground Motions. <i>Journal of Bridge Engineering</i> , <b>2019</b> , 24, 04018118	2.7	40
7	System-based probabilistic optimization of fluid viscous dampers equipped in cable-stayed bridges. <i>Advances in Structural Engineering</i> , <b>2018</b> , 21, 1815-1825	1.9	16
6	Risk assessment for a long-span cable-stayed bridge subjected to multiple support excitations. <i>Engineering Structures</i> , <b>2018</b> , 176, 220-230	4.7	17

5	Impact of Spatial Variability Parameters on Seismic Fragilities of a Cable-Stayed Bridge Subjected to Differential Support Motions. <i>Journal of Bridge Engineering</i> , <b>2017</b> , 22, 04017013	2.7	36
4	Seismic fragility assessment of long-span cable-stayed bridges in China. <i>Advances in Structural Engineering</i> , <b>2016</b> , 19, 1797-1812	1.9	16
3	Seismic Responses of a Cable-Stayed Bridge with Consideration of Uniform Temperature Load. <i>Applied Sciences (Switzerland)</i> , <b>2016</b> , 6, 408	2.6	3
2	A Novel Structure-Pulse Coupled Model for Quantifying the Column Ductility Demand under Pulse-Like GMs. <i>Journal of Earthquake Engineering</i> , 1-19	1.8	6
1	Seismic Fragility Analysis of Unbonded Prestressed Reinforced Concrete Bridge Column considering Residual Displacement. <i>Journal of Earthquake Engineering</i> , 1-22	1.8	