Jian Zhong

List of Publications by Year in descending order

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25	613	623188 14	610482 24
papers	citations	h-index	g-index

28	28	28	275
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Seismic Fragility Analysis of Unbonded Prestressed Reinforced Concrete Bridge Column considering Residual Displacement. Journal of Earthquake Engineering, 2023, 27, 679-700.	1.4	6
2	A Novel Structure-Pulse Coupled Model for Quantifying the Column Ductility Demand under Pulse-Like GMs. Journal of Earthquake Engineering, 2022, 26, 8185-8203.	1.4	31
3	An efficient axial-flexure-shear fiber beam model for dynamic analyses of beamâ€“column framed structural systems under impact loading. Ocean Engineering, 2022, 245, 110349.	1.9	14
4	A simplified coupled model for predicting dynamic processes of vehicle impact on pier columns. Structures, 2022, 41, 997-1013.	1.7	8
5	Efficient numerical analyses of RC beams subjected to impact loading using axial-flexure-shear fiber beam model. Structures, 2022, 41, 1559-1569.	1.7	5
6	Numerical evaluation of novel crashworthy devices for protection of RC piers subjected to vessel impact. Ocean Engineering, 2022, 259, 111857.	1.9	4
7	Uniform Designâ€“Based Gaussian Process Regression for Data-Driven Rapid Fragility Assessment of Bridges. Journal of Structural Engineering, 2021, 147, .	1.7	68
8	Risk-based design and optimization of shape memory alloy restrained sliding bearings for highway bridges under near-fault ground motions. Engineering Structures, 2021, 241, 112421.	2.6	38
9	Resilience-based performance and design of SMA/sliding bearing isolation system for highway bridges. Bulletin of Earthquake Engineering, 2021, 19, 6187-6211.	2.3	23
10	Empirical models of bridge seismic fragility surface considering the vertical effect of near-fault ground motions. Structures, 2021, 34, 2962-2973.	1.7	14
11	Probabilistic seismic assessment of a new elastoplastic column-deck joint on the prefabricated frame-bridge. Structures, 2021, 34, 3099-3112.	1.7	4
12	Risk-informed sensitivity analysis and optimization of seismic mitigation strategy using Gaussian process surrogate model. Soil Dynamics and Earthquake Engineering, 2020, 138, 106284.	1.9	22
13	Seismic performance evaluation of fiber-reinforced concrete bridges under near-fault and far-field ground motions. Structures, 2020, 28, 1366-1383.	1.7	25
14	Near-fault seismic risk assessment of simply supported bridges. Earthquake Spectra, 2020, 36, 1645-1669.	1.6	38
15	The pulse effect on the isolation device optimization of simply supported bridges in near-fault regions. Structures, 2020, 27, 853-867.	1.7	27
16	Investigation of ground-motion spatial variability effects on component and system vulnerability of a floating cable-stayed bridge. Advances in Structural Engineering, 2019, 22, 1923-1937.	1.2	14
17	Optimal Seismic Intensity Measure Selection for Isolated Bridges under Pulse-Like Ground Motions. Advances in Civil Engineering, 2019, 2019, 1-22.	0.4	14
18	Influence of Multidirectional Cable Restrainer on Seismic Fragility of a Curved Bridge. Journal of Bridge Engineering, 2019, 24, .	1.4	20

#	Article	IF	Citations
19	Optimal Intensity Measures in Probabilistic Seismic Demand Models of Cable-Stayed Bridges Subjected to Pulse-Like Ground Motions. Journal of Bridge Engineering, 2019, 24, .	1.4	75
20	System-based probabilistic optimization of fluid viscous dampers equipped in cable-stayed bridges. Advances in Structural Engineering, 2018, 21, 1815-1825.	1.2	22
21	Seismic Risk Analysis for Simply-Supported Girder Bridges Based on Total Probability Theorem. , 2018, , .		0
22	Risk assessment for a long-span cable-stayed bridge subjected to multiple support excitations. Engineering Structures, 2018, 176, 220-230.	2.6	41
23	Impact of Spatial Variability Parameters on Seismic Fragilities of a Cable-Stayed Bridge Subjected to Differential Support Motions. Journal of Bridge Engineering, 2017, 22, .	1.4	63
24	Seismic Responses of a Cable-Stayed Bridge with Consideration of Uniform Temperature Load. Applied Sciences (Switzerland), 2016, 6, 408.	1.3	4
25	Seismic fragility assessment of long-span cable-stayed bridges in China. Advances in Structural Engineering, 2016, 19, 1797-1812.	1.2	32