

Yazhou Xie

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

644
citations

623699

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713444

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all docs

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docs citations

22
times ranked

394
citing authors

#	ARTICLE	IF	CITATIONS
1	The promise of implementing machine learning in earthquake engineering: A state-of-the-art review. <i>Earthquake Spectra</i> , 2020, 36, 1769-1801.	3.1	228
2	Seismic fragilities of single-column highway bridges with rocking column-footing. <i>Earthquake Engineering and Structural Dynamics</i> , 2019, 48, 843-864.	4.4	50
3	Sensitivity of seismic demands and fragility estimates of a typical California highway bridge to uncertainties in its soil-structure interaction modeling. <i>Engineering Structures</i> , 2019, 189, 605-617.	5.3	44
4	Probabilistic models of abutment backfills for regional seismic assessment of highway bridges in California. <i>Engineering Structures</i> , 2019, 180, 452-467.	5.3	37
5	Design and Optimization of Seismic Isolation and Damping Devices for Highway Bridges Based on Probabilistic Repair Cost Ratio. <i>Journal of Structural Engineering</i> , 2018, 144, .	3.4	34
6	Experimental and numerical investigations of replaceable moment-resisting viscoelastic damper for steel frames. <i>Journal of Constructional Steel Research</i> , 2020, 170, 106100.	3.9	34
7	Optimal Design of Seismic Protective Devices for Highway Bridges Using Performance-Based Methodology and Multiobjective Genetic Optimization. <i>Journal of Bridge Engineering</i> , 2017, 22, .	2.9	32
8	Seismic responses of bridges with rocking column-foundation: A dimensionless regression analysis. <i>Earthquake Engineering and Structural Dynamics</i> , 2019, 48, 152-170.	4.4	26
9	Performance-based seismic design and optimization of damper devices for cable-stayed bridge. <i>Engineering Structures</i> , 2021, 237, 112043.	5.3	22
10	Development and validation of p- δ modeling approach for seismic response predictions of highway bridges. <i>Earthquake Engineering and Structural Dynamics</i> , 2017, 46, 585-604.	4.4	19
11	Shake table tests of highway bridges installed with unbonded steel mesh reinforced rubber bearings. <i>Engineering Structures</i> , 2020, 206, 110124.	5.3	18
12	Effectiveness evaluation and optimal design of nonlinear viscous dampers for inelastic structures under pulse-type ground motions. <i>Earthquake Engineering and Structural Dynamics</i> , 2018, 47, 2802-2820.	4.4	17
13	Seismic fragility analyses of steel building frames installed with superelastic shape memory alloy dampers: Comparison with yielding dampers. <i>Journal of Intelligent Material Systems and Structures</i> , 2019, 30, 2670-2687.	2.5	17
14	Simplified Drift Demand Prediction of Bridges under Liquefaction-Induced Lateral Spreading. <i>Journal of Bridge Engineering</i> , 2018, 23, .	2.9	15
15	A comprehensive review of Bayesian statistics in natural hazards engineering. <i>Natural Hazards</i> , 2021, 108, 63-91.	3.4	12
16	Influence of abutment straight backwall fracture on the seismic response of bridges. <i>Earthquake Engineering and Structural Dynamics</i> , 2021, 50, 1824-1844.	4.4	8
17	Risk-Based Optimal Design of Seismic Protective Devices for a Multicomponent Bridge System Using Parameterized Annual Repair Cost Ratio. <i>Journal of Structural Engineering</i> , 2022, 148, .	3.4	8
18	Probabilistic Seismic Response and Capacity Models of Piles for Statewide Bridges in California. <i>Journal of Structural Engineering</i> , 2021, 147, .	3.4	6

#	ARTICLE	IF	CITATIONS
19	Seismic fragility of approach backfill differential settlement for statewide bridges in California. Soil Dynamics and Earthquake Engineering, 2022, 153, 107049.	3.8	6
20	Replaceable Rotational Viscoelastic Dampers for Improving Structural Damping and Resilience of Steel Frames. Journal of Earthquake Engineering, 2023, 27, 787-809.	2.5	6
21	In-plane stability of an underground support system with steel corrugated webs: Experimental study, finite element analysis, and design formula. Journal of Constructional Steel Research, 2021, 185, 106872.	3.9	5
22	Evaluating the Effectiveness and Optimal Design of Isolation Bearings and Fluid Dampers for a Highway Bridge Using a Fragility Function Method and Genetic Optimization. , 2016, , .		0