Yazhou Xie

List of Publications by Year in descending order

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Υλζησιι Χιε

#	Article	IF	CITATIONS
1	The promise of implementing machine learning in earthquake engineering: A state-of-the-art review. Earthquake Spectra, 2020, 36, 1769-1801.	3.1	228
2	Seismic fragilities of singleâ€column highway bridges with rocking columnâ€footing. Earthquake Engineering and Structural Dynamics, 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. Engineering Structures, 2019, 189, 605-617.	5.3	44
4	Probabilistic models of abutment backfills for regional seismic assessment of highway bridges in California. Engineering Structures, 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. Journal of Structural Engineering, 2018, 144, .	3.4	34
6	Experimental and numerical investigations of replaceable moment-resisting viscoelastic damper for steel frames. Journal of Constructional Steel Research, 2020, 170, 106100.	3.9	34
7	Optimal Design of Seismic Protective Devices for Highway Bridges Using Performance-Based Methodology and Multiobjective Genetic Optimization. Journal of Bridge Engineering, 2017, 22, .	2.9	32
8	Seismic responses of bridges with rocking columnâ€foundation: A dimensionless regression analysis. Earthquake Engineering and Structural Dynamics, 2019, 48, 152-170.	4.4	26
9	Performance-based seismic design and optimization of damper devices for cable-stayed bridge. Engineering Structures, 2021, 237, 112043.	5.3	22
10	Development and validation of pâ€y modeling approach for seismic response predictions of highway bridges. Earthquake Engineering and Structural Dynamics, 2017, 46, 585-604.	4.4	19
11	Shake table tests of highway bridges installed with unbonded steel mesh reinforced rubber bearings. Engineering Structures, 2020, 206, 110124.	5.3	18
12	Effectiveness evaluation and optimal design of nonlinear viscous dampers for inelastic structures under pulseâ€ŧype ground motions. Earthquake Engineering and Structural Dynamics, 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. Journal of Intelligent Material Systems and Structures, 2019, 30, 2670-2687.	2.5	17
14	Simplified Drift Demand Prediction of Bridges under Liquefaction-Induced Lateral Spreading. Journal of Bridge Engineering, 2018, 23, .	2.9	15
15	A comprehensive review of Bayesian statistics in natural hazards engineering. Natural Hazards, 2021, 108, 63-91.	3.4	12
16	Influence of abutment straight backwall fracture on the seismic response of bridges. Earthquake Engineering and Structural Dynamics, 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. Journal of Structural Engineering, 2022, 148, .	3.4	8
18	Probabilistic Seismic Response and Capacity Models of Piles for Statewide Bridges in California. Journal of Structural Engineering, 2021, 147, .	3.4	6

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#	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