

Yazhou Xie

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.

20
papers

280
citations

11
h-index

16
g-index

22
ext. papers

455
ext. citations

3.5
avg, IF

4.37
L-index

#	Paper	IF	Citations
20	Seismic fragility of approach backfill differential settlement for statewide bridges in California. <i>Soil Dynamics and Earthquake Engineering</i> , 2022 , 153, 107049	3.5	
19	A comprehensive review of Bayesian statistics in natural hazards engineering. <i>Natural Hazards</i> , 2021 , 108, 63-91	3	4
18	Performance-based seismic design and optimization of damper devices for cable-stayed bridge. <i>Engineering Structures</i> , 2021 , 237, 112043	4.7	6
17	Influence of abutment straight backwall fracture on the seismic response of bridges. <i>Earthquake Engineering and Structural Dynamics</i> , 2021 , 50, 1824-1844	4	2
16	Probabilistic Seismic Response and Capacity Models of Piles for Statewide Bridges in California. <i>Journal of Structural Engineering</i> , 2021 , 147, 04021127	3	1
15	In-plane stability of an underground support system with steel corrugated webs: Experimental study, finite element analysis, and design formula. <i>Journal of Constructional Steel Research</i> , 2021 , 185, 106872	3.8	1
14	Experimental and numerical investigations of replaceable moment-resisting viscoelastic damper for steel frames. <i>Journal of Constructional Steel Research</i> , 2020 , 170, 106100	3.8	15
13	The promise of implementing machine learning in earthquake engineering: A state-of-the-art review. <i>Earthquake Spectra</i> , 2020 , 36, 1769-1801	3.4	72
12	Shake table tests of highway bridges installed with unbonded steel mesh reinforced rubber bearings. <i>Engineering Structures</i> , 2020 , 206, 110124	4.7	5
11	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	2.3	11
10	Seismic fragilities of single-column highway bridges with rocking column-footing. <i>Earthquake Engineering and Structural Dynamics</i> , 2019 , 48, 843-864	4	26
9	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	4.7	23
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	16
7	Probabilistic models of abutment backfills for regional seismic assessment of highway bridges in California. <i>Engineering Structures</i> , 2019 , 180, 452-467	4.7	19
6	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		11
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, 04018125	3	21
4	Simplified Drift Demand Prediction of Bridges under Liquefaction-Induced Lateral Spreading. <i>Journal of Bridge Engineering</i> , 2018 , 23, 04018053	2.7	10

3	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, 04016129	2.7	22
2	Development and validation of p-y modeling approach for seismic response predictions of highway bridges. <i>Earthquake Engineering and Structural Dynamics</i> , 2017 , 46, 585-604	4	11
1	Replaceable Rotational Viscoelastic Dampers for Improving Structural Damping and Resilience of Steel Frames. <i>Journal of Earthquake Engineering</i> , 1-23	1.8	3