

Gholamreza Ghodrati Amiri

List of Publications by Year in descending order

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36
papers

392
citations

758635

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887659

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36
all docs

36
docs citations

36
times ranked

323
citing authors

#	ARTICLE	IF	CITATIONS
1	Design elastic input energy spectra based on Iranian earthquakes. Canadian Journal of Civil Engineering, 2008, 35, 635-646.	0.7	35
2	Probabilistic Vulnerability Assessment of Horizontally Curved Multiframe RC Box-Girder Highway Bridges. Journal of Performance of Constructed Facilities, 2016, 30, 04015038.	1.0	35
3	Damage detection of a cable-stayed bridge using feature extraction and selection methods. Structure and Infrastructure Engineering, 2019, 15, 1165-1177.	2.0	33
4	Probabilistic Seismic Assessment of Multiframe Concrete Box-Girder Bridges with Unequal-Height Piers. Journal of Performance of Constructed Facilities, 2016, 30, .	1.0	25
5	Estimation of inelastic displacement ratios for soil-structure systems with embedded foundation considering kinematic and inertial interaction effects. Engineering Structures, 2018, 159, 252-264.	2.6	22
6	Seismic vulnerability assessment of a Californian multi-frame curved concrete box girder viaduct using fragility curves. Structure and Infrastructure Engineering, 2016, 12, 1585-1601.	2.0	21
7	Unsupervised Structural Damage Detection Technique Based on a Deep Convolutional Autoencoder. Shock and Vibration, 2021, 2021, 1-11.	0.3	16
8	Time domain damage localization and quantification in seismically excited structures using a limited number of sensors. JVC/Journal of Vibration and Control, 2017, 23, 2942-2961.	1.5	15
9	Multiple crack identification in Euler beams by means of B-spline wavelet. Archive of Applied Mechanics, 2015, 85, 503-515.	1.2	14
10	Probabilistic Performance Assessment of Retrofitted Skewed Multi Span Continuous Concrete I-girder Bridges. Journal of Earthquake Engineering, 2014, 18, 945-963.	1.4	12
11	Seismic Fragility Estimates of LRB Base Isolated Frames Using Performance-Based Design. Shock and Vibration, 2017, 2017, 1-20.	0.3	12
12	An iterated IRS technique for cross-sectional damage modelling and identification in beams using limited sensors measurement. Inverse Problems in Science and Engineering, 2019, 27, 1145-1169.	1.2	12
13	Predicting the Formwork Lateral Pressure of Self-consolidating Concrete Based on Experimental Thixotropy Values. International Journal of Civil Engineering, 2019, 17, 1131-1144.	0.9	12
14	Damage detection of moment frames using ensemble Empirical Mode Decomposition and clustering techniques. KSCE Journal of Civil Engineering, 2015, 19, 1302-1311.	0.9	11
15	A vector intensity measure to reliably predict maximum drift in low- to mid-rise buildings. Proceedings of the Institution of Civil Engineers: Structures and Buildings, 2019, 172, 42-54.	0.4	11
16	Damage detection of a cable-stayed bridge based on combining effective intrinsic mode functions of empirical mode decomposition using the feature selection technique. Inverse Problems in Science and Engineering, 2021, 29, 861-881.	1.2	10
17	Generation of critical aftershocks using stochastic neural networks and wavelet packet transform. JVC/Journal of Vibration and Control, 2020, 26, 331-351.	1.5	9
18	Ensemble Classifiers and Feature-Based Methods for Structural Damage Assessment. Shock and Vibration, 2020, 2020, 1-14.	0.3	9

#	ARTICLE	IF	CITATIONS
19	Axisymmetric analysis of a thermoelastic isotropic half-space under buried sources in displacement and temperature potentials. <i>Journal of Thermal Stresses</i> , 2017, 40, 237-254.	1.1	8
20	Seismic Performance Assessment of Quintuple Friction Pendulum Isolator with a Focus on Frictional Behavior Impressionability from Velocity and Temperature. <i>Journal of Earthquake Engineering</i> , 2021, 25, 1256-1286.	1.4	8
21	Structural Health Monitoring for Multi-story Shear Frames Based on Signal Processing Approach. <i>Iranian Journal of Science and Technology - Transactions of Civil Engineering</i> , 2018, 42, 287-303.	1.0	7
22	Numerical Development and Assessment of 3D Quintuple Friction Pendulum Isolator Element Based on Its Analytical and Mathematical Models. <i>Journal of Earthquake Engineering</i> , 2021, 25, 2718-2757.	1.4	7
23	Damage detection of bridges based on combining efficient cepstral coefficients. <i>JVC/Journal of Vibration and Control</i> , 2021, 27, 2279-2290.	1.5	6
24	Generative Adversarial Network for Damage Identification in Civil Structures. <i>Shock and Vibration</i> , 2021, 2021, 1-12.	0.3	6
25	EVALUATION OF CAPACITY SPECTRUM METHOD IN ESTIMATING SEISMIC DEMANDS OF TRIPLE PENDULUM BEARINGS UNDER NEAR-FIELD GROUND MOTIONS. <i>International Journal of Structural Stability and Dynamics</i> , 2014, 14, 1350062.	1.5	5
26	Estimation of spectral acceleration based on neural networks. <i>Proceedings of the Institution of Civil Engineers: Structures and Buildings</i> , 2014, 167, 457-468.	0.4	5
27	Estimation of inelastic displacement factor of soilâ€šshallowâ€š foundation <scp>MDOF</scp> systems incorporating higher modes effect. <i>Structural Design of Tall and Special Buildings</i> , 2017, 26, e1402.	0.9	5
28	Effects of inâ€šcycle strength degradation on collapse capacity of steel moment frames. <i>Structural Design of Tall and Special Buildings</i> , 2014, 23, 801-813.	0.9	4
29	Behavior factor prediction equations for reinforced concrete frames under critical mainshock-aftershock sequences using artificial neural networks. <i>Sustainable and Resilient Infrastructure</i> , 2022, 7, 552-567.	1.7	4
30	SIMULATION OF EARTHQUAKE RECORDS BY MEANS OF EMPIRICAL MODE DECOMPOSITION AND HILBERT SPECTRAL ANALYSIS. <i>Journal of Earthquake and Tsunami</i> , 2014, 08, 1450002.	0.7	3
31	Damage evaluation of reinforced concrete and steel frames under critical successive scenarios. <i>International Journal of Steel Structures</i> , 2017, 17, 1495-1514.	0.6	3
32	Numerical Analysis and Vulnerability Assessment of Horizontally Curved Multiframed RC Box-Girder and CFRP Retrofitting of Existing Bridges. <i>ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering</i> , 2022, 8, .	1.1	3
33	A Random Vibration-Based Simulation Model for Nonlinear Seismic Assessment of Steel Structures Subjected to Fling-Step Ground Motion Records. <i>Journal of Vibration Engineering and Technologies</i> , 0, , .	1.3	2
34	Developing a simplified method for analysis and design of isolated structures with the novel quintuple friction pendulum system under bidirectional near-field excitations. <i>JVC/Journal of Vibration and Control</i> , 0, , 107754632110482.	1.5	1
35	Output-Only Method for Defect Identification in the Internal Edge of the Plates with a Circular Hole Using Guided Ultrasonic Waves and Discrete Wavelet Transform. <i>Iranian Journal of Science and Technology - Transactions of Civil Engineering</i> , 0, , 1.	1.0	1
36	The effect of ductility on the seismic collapse risk of residential steel moment-resisting frames at Alborz and Zagros Seismic zones, Iran. <i>Sustainable and Resilient Infrastructure</i> , 2022, 7, 715-743.	1.7	0