

Ehsan Noroozinejad Farsangi

List of Publications by Citations

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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.

85
papers

381
citations

10
h-index

15
g-index

109
ext. papers

585
ext. citations

2.2
avg, IF

4.8
L-index

#	Paper	IF	Citations
85	The seismic vulnerability assessment methodologies: A state-of-the-art review. <i>Ain Shams Engineering Journal</i> , 2020 , 11, 849-864	4.4	35
84	Development of seismic vulnerability index methodology for reinforced concrete buildings based on nonlinear parametric analyses. <i>MethodsX</i> , 2019 , 6, 199-211	1.9	17
83	Seismic Risk Analysis of Steel-MRFs by Means of Fragility Curves in High Seismic Zones. <i>Advances in Structural Engineering</i> , 2014 , 17, 1227-1240	1.9	17
82	Supervised damage and deterioration detection in building structures using an enhanced autoregressive time-series approach. <i>Journal of Building Engineering</i> , 2020 , 30, 101292	5.2	16
81	Shake table tests and numerical investigation of a resilient damping device for seismic response control of building structures. <i>Structural Control and Health Monitoring</i> , 2019 , 26, e2443	4.5	15
80	Telescopic columns as a new base isolation system for vibration control of high-rise buildings. <i>Earthquake and Structures</i> , 2012 , 3, 853-867		13
79	Influence of concurrent horizontal and vertical ground excitations on the collapse margins of non-ductile RC frame buildings. <i>Structural Engineering and Mechanics</i> , 2016 , 59, 653-669		13
78	Probabilistic Evaluation of Structural Pounding Between Adjacent Buildings Subjected to Repeated Seismic Excitations. <i>Arabian Journal for Science and Engineering</i> , 2019 , 44, 4931-4945	2.5	11
77	The efficiency of an improved seismic vulnerability index under strong ground motions. <i>Structures</i> , 2020 , 23, 366-382	3.4	10
76	Influence of soil-structure interaction (SSI) on optimal design of passive damping devices. <i>Structures</i> , 2020 , 28, 847-862	3.4	10
75	The influence of coupled horizontal-vertical ground excitations on the collapse margins of modern RC-MRFs. <i>International Journal of Advanced Structural Engineering</i> , 2016 , 8, 169-192	2	9
74	Fragility assessment of RC-MRFs under concurrent vertical-horizontal seismic action effects. <i>Computers and Concrete</i> , 2015 , 16, 99-123		9
73	Ambient Vibration Testings and Field Investigations of Two Historical Buildings in Europe. <i>SDHM Structural Durability and Health Monitoring</i> , 2020 , 14, 315-338	1.9	9
72	Experimental and numerical investigations of a new hysteretic damper for seismic resilient steel moment connections. <i>Journal of Building Engineering</i> , 2021 , 43, 102811	5.2	9
71	Development of a Multiple Coil Magneto-Rheological Smart Damper to Improve the Seismic Resilience of Building Structures. <i>Open Civil Engineering Journal</i> , 2020 , 14, 78-93	0.8	8
70	Reliability Assessment and Sensitivity Analysis of Concrete Gravity Dams by Considering Uncertainty in Reservoir Water Levels and Dam Body Materials. <i>Civil and Environmental Engineering Reports</i> , 2020 , 30, 1-17	0.6	8
69	Trade-off Pareto optimum design of an innovative curved damper truss moment frame considering structural and non-structural objectives. <i>Structures</i> , 2020 , 28, 1338-1353	3.4	8

68	Uniform deformation design of outrigger braced skyscrapers: A simplified method for the preliminary design stage. <i>Structures</i> , 2021 , 31, 395-405	3.4	8
67	Seismic Performance Evaluation of a Recently Developed Magnetorheological Damper: Experimental Investigation. <i>Practice Periodical on Structural Design and Construction</i> , 2021 , 26, 04020061 ^{1,2}		8
66	Probabilistic Safety Evaluation of a Concrete arch dam Based on Finite Element Modeling and A Reliability L-R Approach. <i>Civil and Environmental Engineering Reports</i> , 2019 , 29, 62-78	0.6	7
65	A Critical Review on Structural Health Monitoring: Definitions, Methods, and Perspectives. <i>Archives of Computational Methods in Engineering</i> , ¹	7.8	7
64	A hybrid seismic isolation system toward more resilient structures: Shaking table experiment and fragility analysis. <i>Journal of Building Engineering</i> , 2021 , 38, 102194	5.2	7
63	Seismic performance assessment of multi-story steel frames with curved dampers and semi-rigid connections. <i>Journal of Constructional Steel Research</i> , 2021 , 182, 106666	3.8	6
62	Performance evaluation of curved damper truss moment frames designed using equivalent energy design procedure. <i>Engineering Structures</i> , 2021 , 226, 111363	4.7	6
61	Comparative seismic RISK assessment of existing RC buildings using seismic vulnerability index approach. <i>Structures</i> , 2021 , 32, 889-913	3.4	6
60	Reliability-Based Safety Evaluation of the BISTOON Historic Masonry Arch Bridge. <i>Civil and Environmental Engineering Reports</i> , 2020 , 30, 87-110	0.6	5
59	Investigating the efficiency of DDBD approaches for RC buildings. <i>Structures</i> , 2020 , 27, 1501-1520	3.4	5
58	On the quantification of collapse margin of a retrofitted university building in Beirut using a probabilistic approach 2020 , 23, 373-381		5
57	Deterioration and damage identification in building structures using a novel feature selection method. <i>Structures</i> , 2021 , 29, 458-470	3.4	5
56	Simultaneous optimization approach for combined controlStructural design versus the conventional sequential optimization method. <i>Structural and Multidisciplinary Optimization</i> , 2021 , 63, 1367-1383	3.6	5
55	Reliability-based linear analysis of low-rise RC frames under earthquake excitation. <i>Journal of Building Pathology and Rehabilitation</i> , 2021 , 6, 1	1.8	5
54	Improved Vulnerability Index Methodology to Quantify Seismic Risk and Loss Assessment in Reinforced Concrete Buildings. <i>Journal of Earthquake Engineering</i> , ¹⁻³⁶	1.8	4
53	Punching Shear Behavior of Flat Slabs Utilizing Reactive Powder Concrete with and without Flexural Reinforcement. <i>Practice Periodical on Structural Design and Construction</i> , 2021 , 26, 04020060	1.2	4
52	Development of a novel cost-effective toggle-brace-curveddamper (TBCD) for mid-rise steel structures using multi-objective NSGA II optimization technique. <i>Structural and Multidisciplinary Optimization</i> , 2021 , 63, 661-688	3.6	4
51	Experimental characterization of quaternary blended mortar exposed to marine environment using mechanical strength, corrosion resistance and chemical composition. <i>Journal of Building Engineering</i> , 2021 , 42, 102822	5.2	4

50	Shaking table tests and numerical investigations of a novel response-based adaptive control strategy for multi-story structures with magnetorheological dampers. <i>Journal of Building Engineering</i> , 2021 , 44, 102685	5.2	4
49	A Novel MRE Adaptive Seismic Isolator Using Curvelet Transform Identification. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 11409	2.6	3
48	Development of risk-targeted seismic hazard maps for the Iranian plateau. <i>Soil Dynamics and Earthquake Engineering</i> , 2021 , 141, 106506	3.5	3
47	Estimation of dynamic design parameters for buildings with multiple sliding non-structural elements using machine learning. <i>International Journal of Structural Engineering</i> , 2021 , 11, 147	0.9	3
46	Investigation of Proposed Integrated Control Strategies based on Performance and Positioning of MR dampers on Shaking Table. <i>Smart Materials and Structures</i> ,	3.4	3
45	Active control of building structures under seismic load using a new uniform deformation-based control algorithm. <i>Structures</i> , 2021 , 33, 593-605	3.4	3
44	Experimental Study on the Behavior of Steel-Concrete Composite Decks with Different Shear Span-to-Depth Ratios. <i>Buildings</i> , 2021 , 11, 624	3.2	3
43	Improvement of Building Resilience by Viscous Dampers 2019 , 105-127		2
42	Assessment of Structure-Specific Fragility Curves for Soft Storey Buildings Implementing IDA and SPO Approaches. <i>International Journal of Engineering, Transactions B: Applications</i> , 2018 , 31,	1.9	2
41	Direct Displacement Based Design of Reinforced Concrete Elevated Water Tanks Frame Staging. <i>International Journal of Engineering, Transactions A: Basics</i> , 2019 , 32,	1	2
40	Acceleration Response-Based Adaptive Strategy for Vibration Control and Location Optimization of Magnetorheological Dampers in Multistoried Structures. <i>Practice Periodical on Structural Design and Construction</i> , 2022 , 27,	1.2	2
39	The effects of earthquake incidence angle on the seismic fragility of reinforced concrete box-girder bridges of unequal pier heights. <i>Structure and Infrastructure Engineering</i> , 2020 , 1-16	2.9	2
38	Critical response evaluation of damped bilinear hysteretic SDOF model under long duration ground motion simulated by multi impulse motion. <i>International Journal of Earthquake and Impact Engineering</i> , 2018 , 2, 298	0.5	2
37	Reliability-Based Analysis and Design of Structures and Infrastructure		2
36	Influence of Pulse-Like Near-Fault Ground Motions on the Base-Isolated Buildings with LRB Devices. <i>Practice Periodical on Structural Design and Construction</i> , 2021 , 26, 04021027	1.2	2
35	Optimal design of Magnetorheological damper for seismic response reduction of Base-Isolated structures considering Soil-Structure interaction. <i>Structures</i> , 2022 , 38, 733-752	3.4	2
34	Assessment of Seismic Scenario-Structure Based Limit State Criteria for a Reinforced Concrete High-Rise Building. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 920, 012012	0.4	1
33	On the seismic performance evaluation of dam-foundation-reservoir system for the effect of frequency content and foundation flexibility. <i>Ocean Engineering</i> , 2022 , 247, 110586	3.9	1

32	Proposing a Novel Oriented Genetic Algorithm for Optimum Seismic Design of Steel Moment Resisting Frames. <i>Arabian Journal for Science and Engineering</i> ,	2.5	1
31	Development of a uniform seismic vulnerability index framework for reinforced concrete building typology. <i>Journal of Building Engineering</i> , 2022 , 47, 103838	5.2	1
30	A new approach in simulation of soil-structure interaction problems including damper effects. <i>International Journal of Earthquake and Impact Engineering</i> , 2020 , 3, 1	0.5	1
29	Risk-Based Evaluation of Economic Feasibility for Strengthening of Low-Code RC Structures. <i>Practice Periodical on Structural Design and Construction</i> , 2021 , 26, 05020013	1.2	1
28	Strengthening of RC beam-column joints using steel plate with shear connectors: Experimental investigation. <i>Structures</i> , 2021 ,	3.4	1
27	Scientific Perspectives to Earthquake Resistant Design of RC Buildings A Global Approach. <i>Lecture Notes in Civil Engineering</i> , 2022 , 399-413	0.3	1
26	In-Plane measurements using a novel streamed digital image correlation for shake table test of steel structures controlled with MR dampers. <i>Engineering Structures</i> , 2022 , 256, 113998	4.7	1
25	Investigation of the Occurrence of Progressive Collapse in High-Rise Steel Buildings with Different Braced Configurations. <i>Civil and Environmental Engineering Reports</i> , 2021 , 31, 33-54	0.6	1
24	A data-driven approach for linear and nonlinear damage detection using variational mode decomposition and GARCH model. <i>Engineering With Computers</i> , 1	4.5	0
23	An innovative methodology for hybrid vibration control (MR+TMD) of buildings under seismic excitations. <i>Soil Dynamics and Earthquake Engineering</i> , 2022 , 155, 107175	3.5	0
22	Application of Buckling Restrained Braces to Upgrade Vertical Stiffness of Existing RC Frames. <i>Civil and Environmental Engineering Reports</i> , 2020 , 30, 68-93	0.6	0
21	Modified plate frame interaction method for evaluation of steel plate shear walls with beam-connected web plates. <i>Journal of Building Engineering</i> , 2022 , 45, 103682	5.2	0
20	Seismic Control of Base-Isolated Liquid Storage Tanks Subjected to Bi-directional Strong Ground Motions. <i>Arabian Journal for Science and Engineering</i> , 1	2.5	0
19	Structural assessment of glass used in façade industry. <i>Structures</i> , 2021 , 33, 4817-4827	3.4	0
18	A novel approach for deterioration and damage identification in building structures based on Stockwell-Transform and deep convolutional neural network. <i>Journal of Structural Integrity and Maintenance</i> , 2022 , 7, 136-150	1.5	0
17	Rehabilitation of SDOF systems under air blast loading with a modified negative stiffness amplifying damper. <i>Journal of Building Pathology and Rehabilitation</i> , 2022 , 7, 1	1.8	0
16	Development of probabilistic seismic hazard microzonation maps at the surface level for central-east Iran (Kerman region), using a hybrid site condition model. <i>Soil Dynamics and Earthquake Engineering</i> , 2022 , 159, 107354	3.5	0
15	BASYS-MTB: An integrative structural simulation platform based on adjacency matrices. <i>Advances in Engineering Software</i> , 2020 , 142, 102772	3.6	

14	Intelligent method to cryptocurrency price variation forecasting. <i>Journal of Engineering</i> , 2020 , 2020, 745-750	0.7
13	Performance Evaluation of the Base Isolation Technique on the Blast Mitigation of Spatial Structures. <i>Civil and Environmental Engineering Reports</i> , 2020 , 30, 134-160	0.6
12	Development of empirical models for reinforced concrete flat-slab structures using experimental results. <i>Journal of Building Pathology and Rehabilitation</i> , 2022 , 7, 1	1.8
11	Seismic Performance Evaluation of a Proposed Buckling-Restrained Brace for RC-MRFS. <i>Civil and Environmental Engineering Reports</i> , 2019 , 29, 164-173	0.6
10	Seismic Behavior of Earth Dams with Different Reservoir Water Levels Under Near-Field and Far-Field Earthquakes. <i>Civil and Environmental Engineering Reports</i> , 2020 , 30, 125-141	0.6
9	A Study on the Significance of the Design Parameters of Steel Plate Shear Walls Subjected to Monotonic Loading. <i>Civil and Environmental Engineering Reports</i> , 2020 , 30, 142-154	0.6
8	Response Control of Structures with Friction Dampers under Blast Loading. <i>Open Civil Engineering Journal</i> , 2021 , 15, 244-265	0.8
7	Enhancing the Structural Performance of RC Beam-Column Joints Using a Novel Optimized Stochastic Lattice Structure. <i>Practice Periodical on Structural Design and Construction</i> , 2021 , 26, 04021033 ^{1,2}	
6	Effect of Flexibly Attached Secondary Systems on Dynamic Behavior of Light Structures. <i>Practice Periodical on Structural Design and Construction</i> , 2022 , 27, 04021057	1.2
5	Seismic Loss Estimation Using Experimental Fragility and Vulnerability Functions: Case Study of Buzau County, Romania. <i>Natural Hazards Review</i> , 2022 , 23, 05021016	3.5
4	Investigation of Resilience of Eccentrically Braced Frames Equipped with Shape Memory Alloys. <i>Civil and Environmental Engineering Reports</i> , 2022 , 32, 176-190	0.6
3	Effect of Link Beam Length of the Eccentric Bracing System on Seismic Rehabilitation of Weak Reinforced Concrete Frames. <i>Civil and Environmental Engineering Reports</i> , 2022 , 32, 152-175	0.6
2	Finite Element Modeling of Self-Compacting Concrete Beams Under Shear. <i>Civil and Environmental Engineering Reports</i> , 2021 , 31, 1-16	0.6
1	A state-of-the-art review on the experimental investigations of bendable concrete. <i>Journal of Building Pathology and Rehabilitation</i> , 2022 , 7, 1	1.8