Ehsan Noroozinejad Farsangi

List of Publications by Year in Descending Order

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	On the seismic performance evaluation of dam-foundation-reservoir system for the effect of frequency content and foundation flexibility. *Ocean Engineering*, **2022**, 247, 110586	3.9	1
84	An innovative methodology for hybrid vibration control (MR+TMD) of buildings under seismic excitations. *Soil Dynamics and Earthquake Engineering*, **2022**, 155, 107175	3.5	0
83	Modified plate frame interaction method for evaluation of steel plate shear walls with beam-connected web plates. *Journal of Building Engineering*, **2022**, 45, 103682	5.2	0
82	Development of empirical models for reinforced concrete flat-slab structures using experimental results. *Journal of Building Pathology and Rehabilitation*, **2022**, 7, 1	1.8	
81	Development of a uniform seismic vulnerability index framework for reinforced concrete building typology. *Journal of Building Engineering*, **2022**, 47, 103838	5.2	1
80	Acceleration Response-Based Adaptive Strategy for Vibration Control and Location Optimization of Magnetorheological Dampers in Multistoried Structures. *Practice Periodical on Structural Design and Construction*, **2022**, 27,	1.2	2
79	Scientific Perspectives to Earthquake Resistant Design of RC Buildings: A Global Approach. *Lecture Notes in Civil Engineering*, **2022**, 399-413	0.3	1
78	Effect of Flexibly Attached Secondary Systems on Dynamic Behavior of Light Structures. *Practice Periodical on Structural Design and Construction*, **2022**, 27, 04021057	1.2	
77	Seismic Loss Estimation Using Experimental Fragility and Vulnerability Functions: Case Study of Buzau County, Romania. *Natural Hazards Review*, **2022**, 23, 05021016	3.5	
76	Investigation of Resilience of Eccentrically Braced Frames Equipped with Shape Memory Alloys. *Civil and Environmental Engineering Reports*, **2022**, 32, 176-190	0.6	
75	A novel approach for deterioration and damage identification in building structures based on Stockwell-Transform and deep convolutional neural network. *Journal of Structural Integrity and Maintenance*, **2022**, 7, 136-150	1.5	0
74	Effect of Link Beam Length of the Eccentric Bracing System on Seismic Rehabilitation of Weak Reinforced Concrete Frames. *Civil and Environmental Engineering Reports*, **2022**, 32, 152-175	0.6	
73	In-Plane measurements using a novel streamed digital image correlation for shake table test of steel structures controlled with MR dampers. *Engineering Structures*, **2022**, 256, 113998	4.7	1
72	Optimal design of Magnetorheological damper for seismic response reduction of Base-Isolated structures considering Soil-Structure interaction. *Structures*, **2022**, 38, 733-752	3.4	2
71	Rehabilitation of SDOF systems under air blast loading with a modified negative stiffness amplifying damper. *Journal of Building Pathology and Rehabilitation*, **2022**, 7, 1	1.8	0
70	A state-of-the-art review on the experimental investigations of bendable concrete. *Journal of Building Pathology and Rehabilitation*, **2022**, 7, 1	1.8	
69	Development of probabilistic seismic hazard microzonation maps at the surface level for central-east Iran (Kerman region), using a hybrid site condition model. *Soil Dynamics and Earthquake Engineering*, **2022**, 159, 107354	3.5	0

68	A Novel MRE Adaptive Seismic Isolator Using Curvelet Transform Identification. *Applied Sciences (Switzerland)*, **2021**, 11, 11409	2.6	3
67	A hybrid seismic isolation system toward more resilient structures: Shaking table experiment and fragility analysis. *Journal of Building Engineering*, **2021**, 38, 102194	5.2	7
66	Uniform deformation design of outrigger braced skyscrapers: A simplified method for the preliminary design stage. *Structures*, **2021**, 31, 395-405	3.4	8
65	Seismic performance assessment of multi-story steel frames with curved dampers and semi-rigid connections. *Journal of Constructional Steel Research*, **2021**, 182, 106666	3.8	6
64	Seismic Performance Evaluation of a Recently Developed Magnetorheological Damper: Experimental Investigation. *Practice Periodical on Structural Design and Construction*, **2021**, 26, 04020061	1.2	8
63	Performance evaluation of curved damper truss moment frames designed using equivalent energy design procedure. *Engineering Structures*, **2021**, 226, 111363	4.7	6
62	Deterioration and damage identification in building structures using a novel feature selection method. *Structures*, **2021**, 29, 458-470	3.4	5
61	Development of risk-targeted seismic hazard maps for the Iranian plateau. *Soil Dynamics and Earthquake Engineering*, **2021**, 141, 106506	3.5	3
60	Punching Shear Behavior of Flat Slabs Utilizing Reactive Powder Concrete with and without Flexural Reinforcement. *Practice Periodical on Structural Design and Construction*, **2021**, 26, 04020060	1.2	4
59	Simultaneous optimization approach for combined control□structural design versus the conventional sequential optimization method. *Structural and Multidisciplinary Optimization*, **2021**, 63, 1367-1383	3.6	5
58	Risk-Based Evaluation of Economic Feasibility for Strengthening of Low-Code RC Structures. *Practice Periodical on Structural Design and Construction*, **2021**, 26, 05020013	1.2	1
57	Development of a novel cost-effective toggle-brace-curveddamper (TBCD) for mid-rise steel structures using multi-objective NSGA II optimization technique. *Structural and Multidisciplinary Optimization*, **2021**, 63, 661-688	3.6	4
56	Estimation of dynamic design parameters for buildings with multiple sliding non-structural elements using machine learning. *International Journal of Structural Engineering*, **2021**, 11, 147	0.9	3
55	Strengthening of RC beam-column joints using steel plate with shear connectors: Experimental investigation. *Structures*, **2021**,	3.4	1
54	Comparative seismic RISK assessment of existing RC buildings using seismic vulnerability index approach. *Structures*, **2021**, 32, 889-913	3.4	6
53	Response Control of Structures with Friction Dampers under Blast Loading. *Open Civil Engineering Journal*, **2021**, 15, 244-265	0.8	
52	Reliability-based linear analysis of low-rise RC frames under earthquake excitation. *Journal of Building Pathology and Rehabilitation*, **2021**, 6, 1	1.8	5
51	Experimental characterization of quaternary blended mortar exposed to marine environment using mechanical strength, corrosion resistance and chemical composition. *Journal of Building Engineering*, **2021**, 42, 102822	5.2	4

50	Active control of building structures under seismic load using a new uniform deformation-based control algorithm. *Structures*, **2021**, 33, 593-605	3.4	3
49	Structural assessment of glass used in façade industry. *Structures*, **2021**, 33, 4817-4827	3.4	0
48	Influence of Pulse-Like Near-Fault Ground Motions on the Base-Isolated Buildings with LRB Devices. *Practice Periodical on Structural Design and Construction*, **2021**, 26, 04021027	1.2	2
47	Enhancing the Structural Performance of RC Beam-Column Joints Using a Novel Optimized Stochastic Lattice Structure. *Practice Periodical on Structural Design and Construction*, **2021**, 26, 04021033	1.2	
46	Experimental and numerical investigations of a new hysteretic damper for seismic resilient steel moment connections. *Journal of Building Engineering*, **2021**, 43, 102811	5.2	9
45	Shaking table tests and numerical investigations of a novel response-based adaptive control strategy for multi-story structures with magnetorheological dampers. *Journal of Building Engineering*, **2021**, 44, 102685	5.2	4
44	Investigation of the Occurrence of Progressive Collapse in High-Rise Steel Buildings with Different Braced Configurations. *Civil and Environmental Engineering Reports*, **2021**, 31, 33-54	0.6	1
43	Finite Element Modeling of Self-Compacting Concrete Beams Under Shear. *Civil and Environmental Engineering Reports*, **2021**, 31, 1-16	0.6	
42	Experimental Study on the Behavior of Steel–Concrete Composite Decks with Different Shear Span-to-Depth Ratios. *Buildings*, **2021**, 11, 624	3.2	3
41	Assessment of Seismic Scenario-Structure Based Limit State Criteria for a Reinforced Concrete High-Rise Building. *IOP Conference Series: Materials Science and Engineering*, **2020**, 920, 012012	0.4	1
40	The seismic vulnerability assessment methodologies: A state-of-the-art review. *Ain Shams Engineering Journal*, **2020**, 11, 849-864	4.4	35
39	BASYS-MTB: An integrative structural simulation platform based on adjacency matrices. *Advances in Engineering Software*, **2020**, 142, 102772	3.6	
38	Supervised damage and deterioration detection in building structures using an enhanced autoregressive time-series approach. *Journal of Building Engineering*, **2020**, 30, 101292	5.2	16
37	Intelligent method to cryptocurrency price variation forecasting. *Journal of Engineering*, **2020**, 2020, 745-750	0.7	
36	Application of Buckling Restrained Braces to Upgrade Vertical Stiffness of Existing RC Frames. *Civil and Environmental Engineering Reports*, **2020**, 30, 68-93	0.6	0
35	Performance Evaluation of the Base Isolation Technique on the Blast Mitigation of Spatial Structures. *Civil and Environmental Engineering Reports*, **2020**, 30, 134-160	0.6	
34	Development of a Multiple Coil Magneto-Rheological Smart Damper to Improve the Seismic Resilience of Building Structures. *Open Civil Engineering Journal*, **2020**, 14, 78-93	0.8	8
33	Reliability Assessment and Sensitivity Analysis of Concrete Gravity Dams by Considering Uncertainty in Reservoir Water Levels and Dam Body Materials. *Civil and Environmental Engineering Reports*, **2020**, 30, 1-17	0.6	8

32	Reliability-Based Safety Evaluation of the BISTOON Historic Masonry Arch Bridge. *Civil and Environmental Engineering Reports*, **2020**, 30, 87-110	0.6	5
31	Ambient Vibration Testings and Field Investigations of Two Historical Buildings in Europe. *SDHM Structural Durability and Health Monitoring*, **2020**, 14, 315-338	1.9	9
30	Seismic Behavior of Earth Dams with Different Reservoir Water Levels Under Near-Field and Far-Field Earthquakes. *Civil and Environmental Engineering Reports*, **2020**, 30, 125-141	0.6	
29	A Study on the Significance of the Design Parameters of Steel Plate Shear Walls Subjected to Monotonic Loading. *Civil and Environmental Engineering Reports*, **2020**, 30, 142-154	0.6	
28	The efficiency of an improved seismic vulnerability index under strong ground motions. *Structures*, **2020**, 23, 366-382	3.4	10
27	Influence of soil-structure interaction (SSI) on optimal design of passive damping devices. *Structures*, **2020**, 28, 847-862	3.4	10
26	Trade-off Pareto optimum design of an innovative curved damper truss moment frame considering structural and non-structural objectives. *Structures*, **2020**, 28, 1338-1353	3.4	8
25	A new approach in simulation of soil-structure interaction problems including damper effects. *International Journal of Earthquake and Impact Engineering*, **2020**, 3, 1	0.5	1
24	The effects of earthquake incidence angle on the seismic fragility of reinforced concrete box-girder bridges of unequal pier heights. *Structure and Infrastructure Engineering*, **2020**, 1-16	2.9	2
23	Investigating the efficiency of DDBD approaches for RC buildings. *Structures*, **2020**, 27, 1501-1520	3.4	5
22	On the quantification of collapse margin of a retrofitted university building in Beirut using a probabilistic approach **2020**, 23, 373-381		5
21	Shake table tests and numerical investigation of a resilient damping device for seismic response control of building structures. *Structural Control and Health Monitoring*, **2019**, 26, e2443	4.5	15
20	Development of seismic vulnerability index methodology for reinforced concrete buildings based on nonlinear parametric analyses. *MethodsX*, **2019**, 6, 199-211	1.9	17
19	Improvement of Building Resilience by Viscous Dampers **2019**, 105-127		2
18	Probabilistic Safety Evaluation of a Concrete arch dam Based on Finite Element Modeling and A Reliability L-R Approach. *Civil and Environmental Engineering Reports*, **2019**, 29, 62-78	0.6	7
17	Direct Displacement Based Design of Reinforced Concrete Elevated Water Tanks Frame Staging. *International Journal of Engineering, Transactions A: Basics*, **2019**, 32,	1	2
16	Seismic Performance Evaluation of a Proposed Buckling-Restrained Brace for RC-MRFS. *Civil and Environmental Engineering Reports*, **2019**, 29, 164-173	0.6	
15	Probabilistic Evaluation of Structural Pounding Between Adjacent Buildings Subjected to Repeated Seismic Excitations. *Arabian Journal for Science and Engineering*, **2019**, 44, 4931-4945	2.5	11

14	Assessment of Structure-Specific Fragility Curves for Soft Storey Buildings Implementing IDA and SPO Approaches. *International Journal of Engineering, Transactions B: Applications*, **2018**, 31,	1.9	2
13	Critical response evaluation of damped bilinear hysteretic SDOF model under long duration ground motion simulated by multi impulse motion. *International Journal of Earthquake and Impact Engineering*, **2018**, 2, 298	0.5	2
12	The influence of coupled horizontal-vertical ground excitations on the collapse margins of modern RC-MRFs. *International Journal of Advanced Structural Engineering*, **2016**, 8, 169-192	2	9
11	Influence of concurrent horizontal and vertical ground excitations on the collapse margins of non-ductile RC frame buildings. *Structural Engineering and Mechanics*, **2016**, 59, 653-669		13
10	Fragility assessment of RC-MRFs under concurrent vertical-horizontal seismic action effects. *Computers and Concrete*, **2015**, 16, 99-123		9
9	Seismic Risk Analysis of Steel-MRFs by Means of Fragility Curves in High Seismic Zones. *Advances in Structural Engineering*, **2014**, 17, 1227-1240	1.9	17
8	Telescopic columns as a new base isolation system for vibration control of high-rise buildings. *Earthquake and Structures*, **2012**, 3, 853-867		13
7	A data-driven approach for linear and nonlinear damage detection using variational mode decomposition and GARCH model. *Engineering With Computers*,1	4.5	0
6	Proposing a Novel Oriented Genetic Algorithm for Optimum Seismic Design of Steel Moment Resisting Frames. *Arabian Journal for Science and Engineering*,	2.5	1
5	A Critical Review on Structural Health Monitoring: Definitions, Methods, and Perspectives. *Archives of Computational Methods in Engineering*,1	7.8	7
4	Improved Vulnerability Index Methodology to Quantify Seismic Risk and Loss Assessment in Reinforced Concrete Buildings. *Journal of Earthquake Engineering*,1-36	1.8	4
3	Reliability-Based Analysis and Design of Structures and Infrastructure		2
2	Seismic Control of Base-Isolated Liquid Storage Tanks Subjected to Bi-directional Strong Ground Motions. *Arabian Journal for Science and Engineering*,1	2.5	0
1	Investigation of Proposed Integrated Control Strategies based on Performance and Positioning of MR dampers on Shaking Table. *Smart Materials and Structures*,	3.4	3