

Mahmoud Reza Maheri

List of Publications by Year in descending order

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1001
citing authors

#	ARTICLE	IF	CITATIONS
1	Damage Detection of a Scaled Steel Frame Offshore Structure Using an Improved Imperialist Competitive Algorithm. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2022, 46, 1011-1025.	1.9	3
2	Performance of confined masonry buildings in November 2017, Sarpole Zahab earthquake (Mw=7.3), Iran. Bulletin of Earthquake Engineering, 2022, 20, 4065-4095.	4.1	7
3	Static Uplifting Analysis of Unanchored Ground-Based Cylindrical Steel Tanks. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2022, 46, 3591-3607.	1.9	1
4	An Enhanced Symbiotic Organism Search Algorithm (ESOS) for the Sizing Design of Pin Connected Structures. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2021, 45, 1371-1396.	1.9	6
5	The influence of the frequency content of ground motion on the nonlinear dynamic response and seismic vulnerability of historical masonry towers. Bulletin of Earthquake Engineering, 2021, 19, 2919-2940.	4.1	0
6	Optimum Design of Steel Frames Using Different Variants of Differential Evolution Algorithm. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2021, 45, 2091.	1.9	2
7	The effects of steel X-brace retrofitting of RC frames on the seismic performance of frames and their elements. Engineering Structures, 2020, 206, 110149.	5.3	29
8	Retrofitting external RC beam-column joints of an ordinary MRF through plastic hinge relocation using FRP laminates. Structures, 2019, 22, 65-75.	3.6	20
9	Extended finite element method and anisotropic damage plasticity for modelling crack propagation in concrete. Finite Elements in Analysis and Design, 2019, 165, 1-20.	3.2	29
10	In-plane seismic retrofitting of hollow concrete block masonry walls with RC layers. Structures, 2019, 20, 425-436.	3.6	11
11	Performance-based seismic design of steel frames using constraint control method. Advances in Structural Engineering, 2019, 22, 2648-2661.	2.4	4
12	A semi-analytical formulation for estimating the fundamental vibration frequency of historical masonry towers. Bulletin of Earthquake Engineering, 2019, 17, 2627-2645.	4.1	5
13	Structural damage detection using imperialist competitive algorithm and damage function. Applied Soft Computing Journal, 2019, 77, 1-23.	7.2	28
14	An Enhanced Imperialist Competitive Algorithm for optimum design of skeletal structures. Swarm and Evolutionary Computation, 2018, 40, 24-36.	8.1	28
15	Hot-pressed geopolymers: Dual effects of heat and curing time. Cement and Concrete Composites, 2018, 86, 1-8.	10.7	46
16	The effects of retrofitting RC frames by X-bracing on the seismic performance of columns. Engineering Structures, 2018, 173, 813-830.	5.3	28
17	The Seismic Investigation of Off-Diagonal Steel Braced RC Frames. Slovak Journal of Civil Engineering, 2018, 26, 49-64.	0.5	10
18	Sizing Optimization of Truss Structures by an Efficient Constraint-Handling Strategy in TLBO. Journal of Computing in Civil Engineering, 2017, 31, .	4.7	27

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19	An enhanced honey bee mating optimization algorithm for design of side sway steel frames. <i>Advances in Engineering Software</i> , 2017, 109, 62-72.	3.8	18
20	Hot-pressed geopolymer. <i>Cement and Concrete Research</i> , 2017, 100, 14-22.	11.0	84
21	Anisotropic Damage Plasticity Model for Concrete and Its Use in Plastic Hinge Relocation in RC Frames with FRP. <i>Structures</i> , 2017, 12, 212-226.	3.6	15
22	17.03: Dynamic properties of unanchored circular ground-based steel tanks. <i>Ce/Papers</i> , 2017, 1, 4313-4322.	0.3	0
23	Seismic Behaviour Factor for Unreinforced Concrete Block Masonry Walls Retrofitted by RC Layers. <i>Iranian Journal of Science and Technology - Transactions of Civil Engineering</i> , 2017, 41, 389-404.	1.9	1
24	Retrofitting RC Joints Using Flange-Bonded FRP Sheets. <i>Iranian Journal of Science and Technology - Transactions of Civil Engineering</i> , 2017, 41, 27-35.	1.9	10
25	Seismic Repair and Retrofit of RC Beam-Column Joints Using Stiffened Steel Plates. <i>Iranian Journal of Science and Technology - Transactions of Civil Engineering</i> , 2017, 41, 13-26.	1.9	25
26	Size and Topology Optimization of Trusses Using Hybrid Genetic-Particle Swarm Algorithms. <i>Iranian Journal of Science and Technology - Transactions of Civil Engineering</i> , 2016, 40, 179-193.	1.9	21
27	Seismic Performance of Different Types of Connections Between Steel Bracing and RC Frames. <i>Iranian Journal of Science and Technology - Transactions of Civil Engineering</i> , 2016, 40, 287-296.	1.9	9
28	Multi-stage approach for structural damage detection problem using basis pursuit and particle swarm optimization. <i>Journal of Sound and Vibration</i> , 2016, 384, 210-226.	3.9	42
29	Analytical evaluation of dynamic characteristics of unanchored circular ground-based steel tanks. <i>Thin-Walled Structures</i> , 2016, 109, 251-259.	5.3	13
30	Design of steel brace connection to an RC frame using Uniform Force Method. <i>Journal of Constructional Steel Research</i> , 2016, 116, 131-140.	3.9	11
31	Seismic Behavior of FRP-Retrofitted Reinforced Concrete Frames. <i>Journal of Earthquake Engineering</i> , 2014, 18, 1171-1197.	2.5	14
32	Definition of interaction curves for the in-plane and out-of-plane capacity in brick masonry walls. <i>Construction and Building Materials</i> , 2014, 55, 168-182.	7.2	29
33	An enhanced harmony search algorithm for optimum design of side sway steel frames. <i>Computers and Structures</i> , 2014, 136, 78-89.	4.4	55
34	A high performance fibre reinforced cement based plaster for retrofitting RC members. <i>Materials and Structures/Materiaux Et Constructions</i> , 2013, 46, 277-288.	3.1	2
35	Analytical investigation of response modification (behaviour) factor, R, for reinforced concrete frames rehabilitated by steel chevron bracing. <i>Structure and Infrastructure Engineering</i> , 2013, 9, 507-515.	3.7	8
36	The effects of long term uniform corrosion on the buckling of ground based steel tanks under seismic loading. <i>Thin-Walled Structures</i> , 2013, 62, 1-9.	5.3	23

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37	Capacity interaction in brick masonry under simultaneous in-plane and out-of-plane loads. <i>Construction and Building Materials</i> , 2013, 38, 619-626.	7.2	56
38	The effects of humidity and other environmental parameters on the shear strength of brick walls: evaluation of field test data. <i>Materials and Structures/Materiaux Et Constructions</i> , 2012, 45, 941-956.	3.1	15
39	Seismic retrofitting methods for the jack arch masonry slabs. <i>Engineering Structures</i> , 2012, 36, 49-60.	5.3	17
40	A robust method for integrated design of trusses supporting distributed loads. <i>Engineering Structures</i> , 2012, 40, 339-349.	5.3	2
41	Improving the Durability of Straw-Reinforced Clay Plaster Cladding for Earthen Buildings. <i>International Journal of Architectural Heritage</i> , 2011, 5, 349-366.	3.1	11
42	The effects of pre and post construction moisture condition on the in-plane and out-of-plane strengths of brick walls. <i>Materials and Structures/Materiaux Et Constructions</i> , 2011, 44, 541-559.	3.1	27
43	Optimum design of steel frames using a multiple-deme GA with improved reproduction operators. <i>Journal of Constructional Steel Research</i> , 2011, 67, 1232-1243.	3.9	23
44	Seismic performance of ordinary RC frames retrofitted at joints by FRP sheets. <i>Engineering Structures</i> , 2010, 32, 2326-2336.	5.3	101
45	Application of displacement-based design method to assess the level of structural damage due to blast loads. <i>Journal of Mechanical Science and Technology</i> , 2010, 24, 649-655.	1.5	3
46	The effects of long-term corrosion on the dynamic characteristics of ground based cylindrical liquid storage tanks. <i>Thin-Walled Structures</i> , 2010, 48, 888-896.	5.3	17
47	The effect of higher modes on the regularity of single-column-bent highway viaducts. <i>Bridge Structures</i> , 2009, 5, 29-43.	0.4	18
48	Connection overstrength in steel-braced RC frames. <i>Engineering Structures</i> , 2008, 30, 1938-1948.	5.3	41
49	Performance of Building Roofs in the 2003 Bam, Iran, Earthquake. <i>Earthquake Spectra</i> , 2005, 21, 411-424.	3.1	13
50	Performance of Adobe Residential Buildings in the 2003 Bam, Iran, Earthquake. <i>Earthquake Spectra</i> , 2005, 21, 337-344.	3.1	35
51	Seismic Vulnerability of Post-Islamic Monumental Structures in Iran: Review of Historical Sources. <i>Journal of Architectural Engineering</i> , 2004, 10, 160-166.	1.6	16
52	Seismic performance parameters of RC beams retrofitted by CARDIFRCÂ®. <i>Engineering Structures</i> , 2004, 26, 2069-2079.	5.3	9
53	Seismic behaviour factor, R, for steel X-braced and knee-braced RC buildings. <i>Engineering Structures</i> , 2003, 25, 1505-1513.	5.3	100
54	Static and seismic design of one-way and two-way jack arch masonry slabs. <i>Engineering Structures</i> , 2003, 25, 1639-1654.	5.3	24

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55	Pushover tests on steel X-braced and knee-braced RC frames. Engineering Structures, 2003, 25, 1697-1705.	5.3	74
56	Experimental investigation and design of steel brace connection to RC frame. Engineering Structures, 2003, 25, 1707-1714.	5.3	45
57	Use of steel bracing in reinforced concrete frames. Engineering Structures, 1997, 19, 1018-1024.	5.3	97
58	Experimental added-mass in modal vibration of cylindrical structures. Engineering Structures, 1992, 14, 163-175.	5.3	32
59	Coupled lateral-torsional behaviour of frame structures under earthquake loading. Earthquake Engineering and Structural Dynamics, 1991, 20, 61-85.	4.4	18
60	Impulsive hydrodynamic pressures in ground-based cylindrical structures. Journal of Fluids and Structures, 1989, 3, 555-557.	3.4	9
61	An enhanced symbiotic organisms search algorithm for design optimization of trusses with frequency constraints. Advances in Structural Engineering, 0, , 136943322110262.	2.4	2