

Mahmoud Reza Maheri

List of Publications by Year in descending order

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61
papers

1,469
citations

304743

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docs citations

61
times ranked

1001
citing authors

#	ARTICLE	IF	CITATIONS
1	Seismic performance of ordinary RC frames retrofitted at joints by FRP sheets. <i>Engineering Structures</i> , 2010, 32, 2326-2336.	5.3	101
2	Seismic behaviour factor, R, for steel X-braced and knee-braced RC buildings. <i>Engineering Structures</i> , 2003, 25, 1505-1513.	5.3	100
3	Use of steel bracing in reinforced concrete frames. <i>Engineering Structures</i> , 1997, 19, 1018-1024.	5.3	97
4	Hot-pressed geopolymer. <i>Cement and Concrete Research</i> , 2017, 100, 14-22.	11.0	84
5	Pushover tests on steel X-braced and knee-braced RC frames. <i>Engineering Structures</i> , 2003, 25, 1697-1705.	5.3	74
6	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
7	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
8	Hot-pressed geopolymer: Dual effects of heat and curing time. <i>Cement and Concrete Composites</i> , 2018, 86, 1-8.	10.7	46
9	Experimental investigation and design of steel brace connection to RC frame. <i>Engineering Structures</i> , 2003, 25, 1707-1714.	5.3	45
10	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
11	Connection overstrength in steel-braced RC frames. <i>Engineering Structures</i> , 2008, 30, 1938-1948.	5.3	41
12	Performance of Adobe Residential Buildings in the 2003 Bam, Iran, Earthquake. <i>Earthquake Spectra</i> , 2005, 21, 337-344.	3.1	35
13	Experimental added-mass in modal vibration of cylindrical structures. <i>Engineering Structures</i> , 1992, 14, 163-175.	5.3	32
14	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
15	Extended finite element method and anisotropic damage plasticity for modelling crack propagation in concrete. <i>Finite Elements in Analysis and Design</i> , 2019, 165, 1-20.	3.2	29
16	The effects of steel X-brace retrofitting of RC frames on the seismic performance of frames and their elements. <i>Engineering Structures</i> , 2020, 206, 110149.	5.3	29
17	An Enhanced Imperialist Competitive Algorithm for optimum design of skeletal structures. <i>Swarm and Evolutionary Computation</i> , 2018, 40, 24-36.	8.1	28
18	The effects of retrofitting RC frames by X-bracing on the seismic performance of columns. <i>Engineering Structures</i> , 2018, 173, 813-830.	5.3	28

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19	Structural damage detection using imperialist competitive algorithm and damage function. Applied Soft Computing Journal, 2019, 77, 1-23.	7.2	28
20	The effects of pre and post construction moisture condition on the in-plane and out-of-plane strengths of brick walls. Materials and Structures/Materiaux Et Constructions, 2011, 44, 541-559.	3.1	27
21	Sizing Optimization of Truss Structures by an Efficient Constraint-Handling Strategy in TLBO. Journal of Computing in Civil Engineering, 2017, 31, .	4.7	27
22	Seismic Repair and Retrofit of RC Beam-Column Joints Using Stiffened Steel Plates. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2017, 41, 13-26.	1.9	25
23	Static and seismic design of one-way and two-way jack arch masonry slabs. Engineering Structures, 2003, 25, 1639-1654.	5.3	24
24	Optimum design of steel frames using a multiple-deme GA with improved reproduction operators. Journal of Constructional Steel Research, 2011, 67, 1232-1243.	3.9	23
25	The effects of long term uniform corrosion on the buckling of ground based steel tanks under seismic loading. Thin-Walled Structures, 2013, 62, 1-9.	5.3	23
26	Size and Topology Optimization of Trusses Using Hybrid Genetic-Particle Swarm Algorithms. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2016, 40, 179-193.	1.9	21
27	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
28	Coupled lateral-torsional behaviour of frame structures under earthquake loading. Earthquake Engineering and Structural Dynamics, 1991, 20, 61-85.	4.4	18
29	The effect of higher modes on the regularity of single-column-bent highway viaducts. Bridge Structures, 2009, 5, 29-43.	0.4	18
30	An enhanced honey bee mating optimization algorithm for design of side sway steel frames. Advances in Engineering Software, 2017, 109, 62-72.	3.8	18
31	The effects of long-term corrosion on the dynamic characteristics of ground based cylindrical liquid storage tanks. Thin-Walled Structures, 2010, 48, 888-896.	5.3	17
32	Seismic retrofitting methods for the jack arch masonry slabs. Engineering Structures, 2012, 36, 49-60.	5.3	17
33	Seismic Vulnerability of Post-Islamic Monumental Structures in Iran: Review of Historical Sources. Journal of Architectural Engineering, 2004, 10, 160-166.	1.6	16
34	The effects of humidity and other environmental parameters on the shear strength of brick walls: evaluation of field test data. Materials and Structures/Materiaux Et Constructions, 2012, 45, 941-956.	3.1	15
35	Anisotropic Damage Plasticity Model for Concrete and Its Use in Plastic Hinge Relocation in RC Frames with FRP. Structures, 2017, 12, 212-226.	3.6	15
36	Seismic Behavior of FRP-Retrofitted Reinforced Concrete Frames. Journal of Earthquake Engineering, 2014, 18, 1171-1197.	2.5	14

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37	Performance of Building Roofs in the 2003 Bam, Iran, Earthquake. <i>Earthquake Spectra</i> , 2005, 21, 411-424.	3.1	13
38	Analytical evaluation of dynamic characteristics of unanchored circular ground-based steel tanks. <i>Thin-Walled Structures</i> , 2016, 109, 251-259.	5.3	13
39	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
40	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
41	In-plane seismic retrofitting of hollow concrete block masonry walls with RC layers. <i>Structures</i> , 2019, 20, 425-436.	3.6	11
42	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
43	The Seismic Investigation of Off-Diagonal Steel Braced RC Frames. <i>Slovak Journal of Civil Engineering</i> , 2018, 26, 49-64.	0.5	10
44	Impulsive hydrodynamic pressures in ground-based cylindrical structures. <i>Journal of Fluids and Structures</i> , 1989, 3, 555-557.	3.4	9
45	Seismic performance parameters of RC beams retrofitted by CARDIFRC [®] . <i>Engineering Structures</i> , 2004, 26, 2069-2079.	5.3	9
46	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
47	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
48	Performance of confined masonry buildings in November 2017, Sarpole Zahab earthquake ($M_w=7.3$), Iran. <i>Bulletin of Earthquake Engineering</i> , 2022, 20, 4065-4095.	4.1	7
49	An Enhanced Symbiotic Organism Search Algorithm (ESOS) for the Sizing Design of Pin Connected Structures. <i>Iranian Journal of Science and Technology - Transactions of Civil Engineering</i> , 2021, 45, 1371-1396.	1.9	6
50	A semi-analytical formulation for estimating the fundamental vibration frequency of historical masonry towers. <i>Bulletin of Earthquake Engineering</i> , 2019, 17, 2627-2645.	4.1	5
51	Performance-based seismic design of steel frames using constraint control method. <i>Advances in Structural Engineering</i> , 2019, 22, 2648-2661.	2.4	4
52	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
53	Damage Detection of a Scaled Steel Frame Offshore Structure Using an Improved Imperialist Competitive Algorithm. <i>Iranian Journal of Science and Technology - Transactions of Civil Engineering</i> , 2022, 46, 1011-1025.	1.9	3
54	A robust method for integrated design of trusses supporting distributed loads. <i>Engineering Structures</i> , 2012, 40, 339-349.	5.3	2

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55	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
56	An enhanced symbiotic organisms search algorithm for design optimization of trusses with frequency constraints. <i>Advances in Structural Engineering</i> , 0, , 136943322110262.	2.4	2
57	Optimum Design of Steel Frames Using Different Variants of Differential Evolution Algorithm. <i>Iranian Journal of Science and Technology - Transactions of Civil Engineering</i> , 2021, 45, 2091.	1.9	2
58	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
59	Static Uplifting Analysis of Unanchored Ground-Based Cylindrical Steel Tanks. <i>Iranian Journal of Science and Technology - Transactions of Civil Engineering</i> , 2022, 46, 3591-3607.	1.9	1
60	17.03: Dynamic properties of unanchored circular ground-based steel tanks. <i>Ce/Papers</i> , 2017, 1, 4313-4322.	0.3	0
61	The influence of the frequency content of ground motion on the nonlinear dynamic response and seismic vulnerability of historical masonry towers. <i>Bulletin of Earthquake Engineering</i> , 2021, 19, 2919-2940.	4.1	0