

Pejman Sharafi

List of Publications by Year in descending order

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57
papers

1,327
citations

361413

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59
docs citations

59
times ranked

672
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental and Numerical Study on the Robustness of Full-Scale Volumetric Steel Module under Sudden Support Removal Scenarios. <i>Journal of Performance of Constructed Facilities</i> , 2022, 36, .	2.0	1
2	Effect of MetaFoundation on the Seismic Responses of Liquid Storage Tanks. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 2514.	2.5	7
3	Experimental Study on the Natural Dynamic Characteristics of Steel-Framed Modular Structures. <i>Buildings</i> , 2022, 12, 587.	3.1	5
4	Artificial intelligence and smart vision for building and construction 4.0: Machine and deep learning methods and applications. <i>Automation in Construction</i> , 2022, 141, 104440.	9.8	189
5	Punching behaviour of foam filled modular sandwich panels with high-density polyethylene skins. <i>Journal of Building Engineering</i> , 2021, 33, 101634.	3.4	8
6	The influence of inter-module connections on the effective length of columns in multi-story modular steel frames. <i>Journal of Constructional Steel Research</i> , 2021, 177, 106450.	3.9	27
7	Structural performance and sustainability assessment of hybrid-cold formed modular steel frame. <i>Journal of Building Engineering</i> , 2021, 34, 101895.	3.4	8
8	Natural dynamic characteristics of volumetric steel modules with gypsum sheathed LSF walls: Experimental study. <i>Structures</i> , 2021, 33, 272-282.	3.6	12
9	Gravity-Induced Progressive Collapse Response of Precast Corner-Supported Modular Buildings. <i>Journal of Architectural Engineering</i> , 2021, 27, .	1.6	9
10	System Identification of a Volumetric Steel Modular Frame Using Experimental and Numerical Vibration Analysis. <i>Journal of Architectural Engineering</i> , 2021, 27, .	1.6	11
11	Robustness of multistory corner-supported modular steel frames against progressive collapse. <i>Structural Design of Tall and Special Buildings</i> , 2021, 30, e1896.	1.9	8
12	Prefabricated hybrid steel wall panels for mid-rise construction in seismic regions. <i>Journal of Building Engineering</i> , 2020, 27, 100942.	3.4	15
13	Reinforcement methods for compression perpendicular to grain in top/bottom plates of light timber frames. <i>Construction and Building Materials</i> , 2020, 231, 116377.	7.2	11
14	Experimental investigation on load bearing capacity of full scaled light timber framed wall for mid-rise buildings. <i>Construction and Building Materials</i> , 2020, 231, 117069.	7.2	8
15	Numerical modelling and design of hybrid cold-formed steel wall panels. <i>Thin-Walled Structures</i> , 2020, 157, 107084.	5.3	14
16	Operational Modal Analysis, Testing and Modelling of Prefabricated Steel Modules with Different LSF Composite Walls. <i>Materials</i> , 2020, 13, 5816.	2.9	13
17	Lateral performance of a new hybrid CFS shear wall panel for mid-rise construction. <i>Journal of Constructional Steel Research</i> , 2020, 168, 106000.	3.9	19
18	Collapse capacity of modular steel buildings subject to module loss scenarios: The role of inter-module connections. <i>Engineering Structures</i> , 2020, 210, 110373.	5.3	47

#	ARTICLE	IF	CITATIONS
19	Anti-collapse resistance mechanisms in corner-supported modular steel buildings. <i>Journal of Constructional Steel Research</i> , 2020, 170, 106083.	3.9	34
20	Seismic collapse assessment of a hybrid cold-formed hot-rolled steel building. <i>Journal of Constructional Steel Research</i> , 2019, 155, 504-516.	3.9	20
21	Structural Performance of Polyurethane Foam-Filled Building Composite Panels: A State-Of-The-Art. <i>Journal of Composites Science</i> , 2019, 3, 40.	3.0	8
22	Numerical models for lateral behaviour analysis of cold-formed steel framed walls: State of the art, evaluation and challenges. <i>Thin-Walled Structures</i> , 2019, 138, 252-285.	5.3	69
23	Effects of cold joints on the structural behaviour of polyurethane rigid foam panels. <i>Engineering Solid Mechanics</i> , 2019, , 1-12.	1.2	3
24	Identification of Factors and Decision Analysis of the Level of Modularization in Building Construction. <i>Journal of Architectural Engineering</i> , 2018, 24, 04018010.	1.6	62
25	Interlocking system for enhancing the integrity of multi-storey modular buildings. <i>Automation in Construction</i> , 2018, 85, 263-272.	9.8	106
26	Behavior of integrated connections between adjacent foam-filled modular sandwich panels. <i>Engineering Solid Mechanics</i> , 2018, , 361-370.	1.2	3
27	Edgewise and flatwise compressive behaviour of foam-filled sandwich panels with 3-D high density polyethylene skins. <i>Engineering Solid Mechanics</i> , 2018, , 285-298.	1.2	15
28	An experimental study on the lateral pressure in foam-filled wall panels with pneumatic formwork. <i>Case Studies in Construction Materials</i> , 2018, 9, e00203.	1.7	1
29	Flexural and shear performance of an innovative foam-filled sandwich panel with 3-D high density polyethylene skins. <i>Engineering Solid Mechanics</i> , 2018, , 113-128.	1.2	10
30	Lateral behaviour of hybrid cold-formed and hot-rolled steel wall systems: Experimental investigation. <i>Journal of Constructional Steel Research</i> , 2018, 147, 422-432.	3.9	27
31	Lateral force resisting systems in lightweight steel frames: Recent research advances. <i>Thin-Walled Structures</i> , 2018, 130, 231-253.	5.3	66
32	Development of an Innovative Modular Foam-Filled Panelized System for Rapidly Assembled Postdisaster Housing. <i>Buildings</i> , 2018, 8, 97.	3.1	10
33	Automated layout design of multi-span reinforced concrete beams using charged system search algorithm. <i>Engineering Computations</i> , 2018, 35, 1402-1413.	1.4	5
34	Enhancing the permeability and abrasion resistance of concrete using colloidal nano-SiO ₂ oxide and spraying nanosilicon practices. <i>Construction and Building Materials</i> , 2017, 146, 128-135.	7.2	76
35	A Comparative Life Cycle Assessment of Recycling the Platinum Group Metals from Automobile Catalytic Converter: An Australian Perspective. <i>Metallurgical and Materials Transactions E</i> , 2017, 4, 77-88.	0.5	4
36	Automated spatial design of multi-story modular buildings using a unified matrix method. <i>Automation in Construction</i> , 2017, 82, 31-42.	9.8	68

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37	Experimental Investigation of a Base Isolation System Incorporating MR Dampers with the High-Order Single Step Control Algorithm. Applied Sciences (Switzerland), 2017, 7, 344.	2.5	28
38	Seismic Performance and Ice-Induced Vibration Control of Offshore Platform Structures Based on the ISO-PFD-SMA Brace System. Advances in Materials Science and Engineering, 2017, 2017, 1-15.	1.8	2
39	Optimum spanning for rectangular floor systems – part 2: an algorithm and practical applications. Australian Journal of Civil Engineering, 2016, 14, 106-113.	1.6	1
40	Optimum spanning for rectangular floor systems – part 1: a unified combinatorial approach. Australian Journal of Civil Engineering, 2016, 14, 97-105.	1.6	0
41	A new model for bridge management: Part B: decision support system for remediation planning. Australian Journal of Civil Engineering, 2016, 14, 46-53.	1.6	37
42	A new model for bridge management: Part A: condition assessment and priority ranking of bridges. Australian Journal of Civil Engineering, 2016, 14, 35-45.	1.6	39
43	Closure to – Geometric Design Optimization for Dynamic Response Problems of Continuous Reinforced Concrete Beams – by P. Sharafi, M. N. S. Hadi, and Lip H. Teh. Journal of Computing in Civil Engineering, 2015, 29, 07014003.	4.7	0
44	Conceptual design optimization of rectilinear building frames: A knapsack problem approach. Engineering Optimization, 2015, 47, 1303-1323.	2.6	22
45	Geometric Design Optimization for Dynamic Response Problems of Continuous Reinforced Concrete Beams. Journal of Computing in Civil Engineering, 2014, 28, 202-209.	4.7	27
46	Shape optimization of thin-walled steel sections using graph theory and ACO algorithm. Journal of Constructional Steel Research, 2014, 101, 331-341.	3.9	40
47	Cost Optimization of Column Layout Design of Reinforced Concrete Buildings. , 2013, , 129-146.		4
48	Sizing Optimization of Trapezoidal Corrugated Roof Sheeting, Supporting Solar Panels, Under Wind Loading. Conference Proceedings of the Society for Experimental Mechanics, 2013, , 535-542.	0.5	0
49	Heuristic Approach for Optimum Cost and Layout Design of 3D Reinforced Concrete Frames. Journal of Structural Engineering, 2012, 138, 853-863.	3.4	35
50	Optimum Column Layout Design of Reinforced Concrete Frames Under Wind Loading. Conference Proceedings of the Society for Experimental Mechanics, 2012, , 327-340.	0.5	7
51	Optimum Spans – Lengths of Multi-span Reinforced Concrete Beams Under Dynamic Loading. Conference Proceedings of the Society for Experimental Mechanics, 2012, , 353-361.	0.5	5
52	Nodal ordering for bandwidth reduction using ant system algorithm. Engineering Computations, 2009, 26, 313-323.	1.4	23
53	Adipocyte differentiation defect in mesenchymal stromal cells of patients with malignant infantile osteopetrosis. Cytotherapy, 2009, 11, 392-402.	0.7	22
54	Optimal priority functions for profile reduction using ant colony optimization. Finite Elements in Analysis and Design, 2008, 44, 131-138.	3.2	19

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55	Ant colony optimization for finding medians of weighted graphs. Engineering Computations, 2008, 25, 102-120.	1.4	14
56	A Methodology for Cost Optimization of the Layout Design of Multi-Span Reinforced Concrete Beams. , 0, , .		1
57	A Novel Formulation for Optimum Conceptual Design of Buildings of Rectangular Shapes. , 0, , .		0