

Mohammad Reza Ghasemi

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.

34 papers	334 citations	11 h-index	17 g-index
37 ext. papers	438 ext. citations	2.9 avg, IF	4.4 L-index

#	Paper	IF	Citations
34	Comparative studies of metamodeling and AI-Based techniques in damage detection of structures. <i>Advances in Engineering Software</i> , 2018 , 125, 101-112	3.6	36
33	Investigating the effects of maximum aggregate size on self-compacting steel fiber reinforced concrete fracture parameters. <i>Construction and Building Materials</i> , 2018 , 162, 674-682	6.7	36
32	Engineering optimization based on ideal gas molecular movement algorithm. <i>Engineering With Computers</i> , 2017 , 33, 71-93	4.5	34
31	Performance of a novel bent-up bars system not interacting with concrete. <i>Frontiers of Structural and Civil Engineering</i> , 2019 , 13, 1301-1315	2.5	29
30	Wave-induced vibration control of offshore jacket platforms through SMA dampers. <i>Applied Ocean Research</i> , 2019 , 90, 101848	3.4	19
29	Seismic performance and damage incurred by monolithic concrete self-centering rocking walls under the effect of axial stress ratio. <i>Bulletin of Earthquake Engineering</i> , 2018 , 16, 831-858	3.7	18
28	A fast multi-objective optimization using an efficient ideal gas molecular movement algorithm. <i>Engineering With Computers</i> , 2017 , 33, 477-496	4.5	17
27	An adaptive divergence-based method for structural reliability analysis via multiple Kriging models. <i>Applied Mathematical Modelling</i> , 2018 , 62, 542-561	4.5	14
26	Vibration control of offshore jacket platforms through shape memory alloy pounding tuned mass damper (SMA-PTMD). <i>Ocean Engineering</i> , 2019 , 191, 106348	3.9	13
25	Role of slanted reinforcement on bending capacity SS beams. <i>Vibroengineering PROCEDIA</i> , 2017 , 11, 1956-199	1.9	12
24	Enhanced IGMM optimization algorithm based on vibration for numerical and engineering problems. <i>Engineering With Computers</i> , 2018 , 34, 91-116	4.5	11
23	A novel heuristic search algorithm for optimization with application to structural damage identification. <i>Smart Structures and Systems</i> , 2017 , 19, 449-461		11
22	New neural network-based response surface method for reliability analysis of structures. <i>Neural Computing and Applications</i> , 2019 , 31, 777-791	4.8	11
21	Ranked-Based Sensitivity Analysis for Size Optimization of Structures. <i>Journal of Mechanical Design, Transactions of the ASME</i> , 2015 , 137,	3	10
20	A novel method for quantifying damage to cast-in-place self-centering concrete stepping walls. <i>Structural Concrete</i> , 2018 , 19, 1713-1726	2.6	9
19	A fast decoupled reliability-based design optimization of structures using B-spline interpolation curves. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2016 , 38, 1817-1829	2	7
18	Modified particle swarm optimization with novel population initialization. <i>Journal of Information and Optimization Sciences</i> , 2019 , 40, 1167-1179	1.1	6

17	Evaluation of Three Support Shapes on Behavior of New Bolted Connection BBCC in Modularized Prefabricated Steel Structures. <i>International Journal of Steel Structures</i> , 2018 , 18, 1639-1653	1.3	5
16	An efficient method for reliable optimum design of trusses. <i>Steel and Composite Structures</i> , 2016 , 21, 1069-1084		4
15	Probability-Based Damage Detection of Structures Using Surrogate Model and Enhanced Ideal Gas Molecular Movement Algorithm 2018 , 1657-1674		4
14	Total and Partial Updating Technique: A Swift Approach for Cross-Section and Geometry Optimization of Truss Structures. <i>KSCE Journal of Civil Engineering</i> , 2020 , 24, 1219-1227	1.9	3
13	A swift technique for damage detection of determinate truss structures. <i>Engineering With Computers</i> , 2020 , 37, 2183	4.5	3
12	Ant colony optimisation-based multiobjective frame design under seismic conditions. <i>Proceedings of the Institution of Civil Engineers: Structures and Buildings</i> , 2011 , 164, 421-432	0.9	3
11	Optimized SMA Dampers in Vibration Control of Jacket-type Offshore Structures (Regular Waves). <i>International Journal of Coastal and Offshore Engineering</i> , 2019 , 2, 25-35	0.1	3
10	Formulation and evaluation of a new four-node quadrilateral element for analysis of the shell structures. <i>Engineering With Computers</i> , 2020 , 36, 1289-1303	4.5	3
9	The life-cycle cost analysis based on probabilistic optimization using a novel algorithm. <i>Journal of Building Engineering</i> , 2021 , 43, 103032	5.2	3
8	Border-search and jump reduction method for size optimization of spatial truss structures. <i>Frontiers of Structural and Civil Engineering</i> , 2019 , 13, 123-134	2.5	2
7	An Element-Free Galerkin-Based Multi-objective Optimization of Laminated Composite Plates. <i>Journal of Optimization Theory and Applications</i> , 2013 , 156, 330-344	1.6	2
6	Modified Ideal Gas Molecular Movement Algorithm Based on Quantum Behavior 2018 , 1997-2010		2
5	Damping vibration-based IGMM optimization algorithm: fast and significant. <i>Soft Computing</i> , 2019 , 23, 451-481	3.5	2
4	Novel decoupled framework for reliability-based design optimization of structures using a robust shifting technique. <i>Frontiers of Structural and Civil Engineering</i> , 2019 , 13, 800-820	2.5	1
3	Design of a Novel Prefabricated Bolted I-Beam to Box-Column Connection Using Numerical Analysis Under Cyclic Load. <i>International Journal of Steel Structures</i> , 2019 , 19, 1431-1445	1.3	1
2	ANFIS-based Optimum Design of Real Power Transmission Towers with Size, Shape and Panel Variables using BBO Algorithm. <i>IEEE Transactions on Power Delivery</i> , 2021 , 1-1	4.3	0
1	A swift technique for damage detection of determinate truss structures (2). <i>Engineering With Computers</i> , 1	4.5	0