Amir R Masoodi

List of Publications by Year
in descending order

35	802	393982	525886
papers	citations	19 h-index	27 g-index

38	38	38	201
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Influence of shape memory alloy on seismic behaviour of hollow-section concrete columns. Proceedings of the Institution of Civil Engineers: Structures and Buildings, 2023, 176, 815-832.	0.4	2
2	Differential quadrature technique for frequencies of the coupled circular archâ€“arch beam bridge system. Mechanics of Advanced Materials and Structures, 2023, 30, 770-781.	1.5	11
3	On vibrational-based numerical simulation of a jet engine cowl shell-like structure. Mechanics of Advanced Materials and Structures, 2023, 30, 4016-4027.	1.5	24
4	Geometric and Material Nonlinear Analyses of Trusses Subjected to Thermomechanical Loads. Structural Engineering International: Journal of the International Association for Bridge and Structural Engineering (IABSE), 2023, 33, 302-313.	0.5	1
5	Hygro-thermo-elastic nonlinear analysis of functionally graded porous composite thin and moderately thick shallow panels. Mechanics of Advanced Materials and Structures, 2022, 29, 594-612.	1.5	25
6	Improved shell element for geometrically non-linear analysis of thin-walled structures. Proceedings of the Institution of Civil Engineers: Structures and Buildings, 2022, 175, 347-356.	0.4	5
7	Multifunctional trace of various reinforcements on vibrations of three-phase nanocomposite combined hemispherical-cylindrical shells. Composite Structures, 2022, 279, 114798.	3.1	39
8	Agglomerated impact of CNT vs. GNP nanofillers on hybridization of polymer matrix for vibration of coupled hemispherical-conical-conical shells. Aerospace Science and Technology, 2022, 120, 107257.	2.5	43
9	On the circumferential wave responses of connected elliptical-cylindrical shell-like submerged structures strengthened by nano-reinforcer. Ocean Engineering, 2022, 247, 110718.	1.9	22
10	Lateral-Torsional Buckling of a Bidirectional Exponentially Graded Thin-Walled C-Shaped Beam. Mechanics of Composite Materials, 2022, 58, 53-68.	0.9	4
11	Natural frequency analysis of FG-GOP/ polymer nanocomposite spheroid and ellipsoid doubly curved shells reinforced by transversely-isotropic carbon fibers. Engineering Analysis With Boundary Elements, 2022, 138, 369-389.	2.0	37
12	A comprehensive shell approach for vibration of porous nano-enriched polymer composite coupled spheroidal-cylindrical shells. Composite Structures, 2022, 289, 115464.	3.1	24
13	Seismic assessment of irregular RC frames with tall ground story incorporating nonlinear soilâ€“structure interaction. Structures, 2022, 41, 159-172.	1.7	5
14	Semi-analytical vibrational analysis of functionally graded carbon nanotubes coupled conical-conical shells. Thin-Walled Structures, 2021, 159, 107272.	2.7	38
15	Vibration of FG-CNT and FG-GNP sandwich composite coupled Conical-Cylindrical-Conical shell. Composite Structures, 2021, 273, 114281.	3.1	56
16	Natural frequency responses of hybrid polymer/carbon fiber/FG-GNP nanocomposites paraboloidal and hyperboloidal shells based on multiscale approaches. Aerospace Science and Technology, 2021, 119, 107111.	2.5	41
17	Free vibration analysis of functionally graded hybrid matrix/fiber nanocomposite conical shells using multiscale method. Aerospace Science and Technology, 2020, 105, 105998.	2.5	63
18	An efficient curved beam element for thermo-mechanical nonlinear analysis of functionally graded porous beams. Structures, 2020, 28, 1035-1049.	1.7	23

#	Article	IF	Citations
19	Analytical solution for optimum location of belt truss based on stability analysis. Proceedings of the Institution of Civil Engineers: Structures and Buildings, 2019, 172, 382-388.	0.4	4
20	Stability Analysis of Frame Having FG Tapered Beamâ€“Column. International Journal of Steel Structures, 2019, 19, 446-468.	0.6	20
21	Linear and geometrically nonlinear analysis of plane structures by using a new locking free triangular element. Engineering Structures, 2019, 196, 109312.	2.6	4
22	Shell instability analysis by using mixed interpolation. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1.	0.8	22
23	An efficient mixed interpolated curved beam element for geometrically nonlinear analysis. Applied Mathematical Modelling, 2019, 76, 252-273.	2.2	14
24	Nonlinear analysis of FG-sandwich plates and shells. Aerospace Science and Technology, 2019, 87, 178-189.	2.5	51
25	Analyzing FG shells with large deformations and finite rotations. World Journal of Engineering, 2019, 16, 636-647.	1.0	26
26	Tapered beamâ€“column analysis by analytical solution. Proceedings of the Institution of Civil Engineers: Structures and Buildings, 2019, 172, 789-804.	0.4	9
27	Exact natural frequencies and buckling load of functionally graded material tapered beam-columns considering semi-rigid connections. JVC/Journal of Vibration and Control, 2018, 24, 1787-1808.	1.5	41
28	A triangular shell element for geometrically nonlinear analysis. Acta Mechanica, 2018, 229, 323-342.	1.1	27
29	Geometrically nonlinear thermomechanical analysis of shell-like structures. Journal of Thermal Stresses, 2018, 41, 37-53.	1.1	25
30	Stability and free vibration analysis of tapered sandwich columns with functionally graded core and flexible connections. CEAS Aeronautical Journal, 2018, 9, 629-648.	0.9	19
31	A novel cable element for nonlinear thermo-elastic analysis. Engineering Structures, 2018, 167, 431-444.	2.6	25
32	On the shell thickness-stretching effects using seven-parameter triangular element. European Journal of Computational Mechanics, 2018, 27, 163-185.	0.6	19
33	Nonlinear dynamic analysis and natural frequencies of gabled frame having flexible restraints and connections. KSCE Journal of Civil Engineering, 2015, 19, 1819-1824.	0.9	10
34	Pushover analysis of gabled frames with semi-rigid connections. Steel and Composite Structures, 2015, 18, 1557-1568.	1.3	8
35	A 6-parameter triangular flat shell element for nonlinear analysis. European Journal of Computational Mechanics, 0, , 237-268.	0.0	9