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	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
2	Vibration of FG-CNT and FG-GNP sandwich composite coupled Conical-Cylindrical-Conical shell. Composite Structures, 2021, 273, 114281.	3.1	56
3	Nonlinear analysis of FG-sandwich plates and shells. Aerospace Science and Technology, 2019, 87, 178-189.	2.5	51
4	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
5	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
6	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
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	Semi-analytical vibrational analysis of functionally graded carbon nanotubes coupled conical-conical shells. Thin-Walled Structures, 2021, 159, 107272.	2.7	38
9	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
10	A triangular shell element for geometrically nonlinear analysis. Acta Mechanica, 2018, 229, 323-342.	1.1	27
11	Analyzing FG shells with large deformations and finite rotations. World Journal of Engineering, 2019, 16, 636-647.	1.0	26
12	Geometrically nonlinear thermomechanical analysis of shell-like structures. Journal of Thermal Stresses, 2018, 41, 37-53.	1.1	25
13	A novel cable element for nonlinear thermo-elastic analysis. Engineering Structures, 2018, 167, 431-444.	2.6	25
14	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
15	A comprehensive shell approach for vibration of porous nano-enriched polymer composite coupled spheroidal-cylindrical shells. Composite Structures, 2022, 289, 115464.	3.1	24
16	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
17	An efficient curved beam element for thermo-mechanical nonlinear analysis of functionally graded porous beams. Structures, 2020, 28, 1035-1049.	1.7	23
18	Shell instability analysis by using mixed interpolation. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1.	0.8	22

#	Article	IF	Citations
19	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
20	Stability Analysis of Frame Having FG Tapered Beamâ€“Column. International Journal of Steel Structures, 2019, 19, 446-468.	0.6	20
21	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
22	On the shell thickness-stretching effects using seven-parameter triangular element. European Journal of Computational Mechanics, 2018, 27, 163-185.	0.6	19
23	An efficient mixed interpolated curved beam element for geometrically nonlinear analysis. Applied Mathematical Modelling, 2019, 76, 252-273.	2.2	14
24	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
25	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
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	A 6-parameter triangular flat shell element for nonlinear analysis. European Journal of Computational Mechanics, 0, , 237-268.	0.0	9
28	Pushover analysis of gabled frames with semi-rigid connections. Steel and Composite Structures, 2015, 18, 1557-1568.	1.3	8
29	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
30	Seismic assessment of irregular RC frames with tall ground story incorporating nonlinear soilâ€“structure interaction. Structures, 2022, 41, 159-172.	1.7	5
31	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
32	Linear and geometrically nonlinear analysis of plane structures by using a new locking free triangular element. Engineering Structures, 2019, 196, 109312.	2.6	4
33	Lateral-Torsional Buckling of a Bidirectional Exponentially Graded Thin-Walled C-Shaped Beam. Mechanics of Composite Materials, 2022, 58, 53-68.	0.9	4
34	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
35	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