

# Behnam Sobhaniaragh

## List of Publications by Year in descending order

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Version: 2024-02-01

37  
papers

1,244  
citations

331538

21  
h-index

395590

33  
g-index

38  
all docs

38  
docs citations

38  
times ranked

684  
citing authors

#	ARTICLE	IF	CITATIONS
1	Eshelby-Mori-Tanaka approach for vibrational behavior of continuously graded carbon nanotube-reinforced cylindrical panels. <i>Composites Part B: Engineering</i> , 2012, 43, 1943-1954.	5.9	205
2	Mechanical buckling of nanocomposite rectangular plate reinforced by aligned and straight single-walled carbon nanotubes. <i>Composites Part B: Engineering</i> , 2012, 43, 2031-2040.	5.9	145
3	Influence of graded agglomerated CNTs on vibration of CNT-reinforced annular sectorial plates resting on Pasternak foundation. <i>Applied Mathematics and Computation</i> , 2012, 218, 8715-8735.	1.4	79
4	Stress analysis of functionally graded open cylindrical shell reinforced by agglomerated carbon nanotubes. <i>Thin-Walled Structures</i> , 2014, 80, 130-141.	2.7	68
5	Nonlinear free and forced thermo-electro-aero-elastic vibration and dynamic response of piezoelectric functionally graded laminated composite shells, Part I: Theory and analytical solutions. <i>Composite Structures</i> , 2013, 103, 179-187.	3.1	51
6	Three-dimensional analysis for thermoelastic response of functionally graded fiber reinforced cylindrical panel. <i>Composite Structures</i> , 2010, 92, 2391-2399.	3.1	48
7	Static response and free vibration of two-dimensional functionally graded metal/ceramic open cylindrical shells under various boundary conditions. <i>Acta Mechanica</i> , 2012, 223, 309-330.	1.1	47
8	Three-dimensional investigation of multiple stage hydraulic fracturing in unconventional reservoirs. <i>Journal of Petroleum Science and Engineering</i> , 2016, 146, 1063-1078.	2.1	47
9	Nonlinear free and forced thermo-electro-aero-elastic vibration and dynamic response of piezoelectric functionally graded laminated composite shells. <i>Composite Structures</i> , 2013, 103, 188-196.	3.1	40
10	Thermal response of ceramic matrix nanocomposite cylindrical shells using Eshelby-Mori-Tanaka homogenization scheme. <i>Composites Part B: Engineering</i> , 2017, 118, 41-53.	5.9	39
11	The role of stress interference in hydraulic fracturing of horizontal wells. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2018, 106, 153-164.	2.6	35
12	Three-dimensional free vibration of functionally graded fiber orientation and volume fraction cylindrical panels. <i>Materials &amp; Design</i> , 2010, 31, 4543-4552.	5.1	34
13	Natural frequency analysis of continuously graded carbon nanotube-reinforced cylindrical shells based on third-order shear deformation theory. <i>Mathematics and Mechanics of Solids</i> , 2013, 18, 264-284.	1.5	34
14	Static and free vibration analyses of continuously graded fiber-reinforced cylindrical shells using generalized power-law distribution. <i>Acta Mechanica</i> , 2010, 215, 155-173.	1.1	33
15	Free vibration analysis of continuous grading fiber reinforced plates on elastic foundation. <i>International Journal of Engineering Science</i> , 2010, 48, 1881-1895.	2.7	32
16	Three-dimensional analysis of thermal stresses in four-parameter continuous grading fiber reinforced cylindrical panels. <i>International Journal of Mechanical Sciences</i> , 2010, 52, 1047-1063.	3.6	32
17	A novel 2-D six-parameter power-law distribution for free vibration and vibrational displacements of two-dimensional functionally graded fiber-reinforced curved panels. <i>European Journal of Mechanics, A/Solids</i> , 2011, 30, 865-883.	2.1	31
18	Effect of continuously grading fiber orientation face sheets on vibration of sandwich panels with FGM core. <i>International Journal of Mechanical Sciences</i> , 2011, 53, 628-638.	3.6	27

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19	Numerical simulation of MZF design with non-planar hydraulic fracturing from multi-lateral horizontal wells. <i>Journal of Natural Gas Science and Engineering</i> , 2017, 46, 93-107.	2.1	25
20	Buckling modelling of ring and stringer stiffened cylindrical shells aggregated by graded CNTs. <i>Composites Part B: Engineering</i> , 2017, 124, 120-133.	5.9	24
21	Elasticity solution for free vibration analysis of four-parameter functionally graded fiber orientation cylindrical panels using differential quadrature method. <i>European Journal of Mechanics, A/Solids</i> , 2011, 30, 631-638.	2.1	23
22	On the thermal analysis of 2-D temperature-dependent functionally graded open cylindrical shells. <i>Composite Structures</i> , 2013, 96, 773-785.	3.1	22
23	Pore pressure and stress coupling in closely-spaced hydraulic fracturing designs on adjacent horizontal wellbores. <i>European Journal of Mechanics, A/Solids</i> , 2018, 67, 18-33.	2.1	18
24	3-D thermo-elastic solution for continuously graded isotropic and fiber-reinforced cylindrical shells resting on two-parameter elastic foundations. <i>Applied Mathematical Modelling</i> , 2013, 37, 6556-6576.	2.2	15
25	On the crack onset and growth in martensitic micro-structures; a phase-field approach. <i>International Journal of Mechanical Sciences</i> , 2021, 194, 106187.	3.6	14
26	Manufacturable insight into modelling and design considerations in fibre-steered composite laminates: State of the art and perspective. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2021, 379, 113752.	3.4	13
27	Three-dimensional free vibration analysis of four-parameter continuous grading fiber reinforced cylindrical panels resting on Pasternak foundations. <i>Archive of Applied Mechanics</i> , 2011, 81, 1759-1779.	1.2	12
28	Computational modelling of multi-stage hydraulic fractures under stress shadowing and intersecting with pre-existing natural fractures. <i>Acta Mechanica</i> , 2019, 230, 1037-1059.	1.1	12
29	Two-Dimensional Differential Quadrature Solution for Vibration Characteristics of Two-Dimensional Functionally Graded Metal/Ceramic Open Cylindrical Shells. <i>Mechanics of Advanced Materials and Structures</i> , 2014, 21, 305-320.	1.5	9
30	Three-dimensional free vibration analysis of functionally graded fiber reinforced cylindrical panels using differential quadrature method. <i>Structural Engineering and Mechanics</i> , 2011, 37, 529-542.	1.0	9
31	Towards the prediction of hydrogen-induced crack growth in high-strength steels. <i>Thin-Walled Structures</i> , 2021, 159, 107245.	2.7	8
32	Free Vibration Analysis of Nanocomposite Plates Reinforced by Graded Carbon Nanotubes Based on First-Order Shear Deformation Plate Theory. <i>Advances in Applied Mathematics and Mechanics</i> , 2013, 5, 90-112.	0.7	5
33	Three-dimensional finite element modelling of welding residual stresses of medium carbon steel pipes with consideration of solid-state austenite-martensite transformation and post-weld heat treatment. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2019, 233, 2352-2364.	0.7	4
34	On the stress-shadow effects of multiple-stage hydraulic fracturing in unconventional reservoirs by using cohesive phantom node method. , 2016, , .		3
35	Numerical Simulation of Non-Uniform Modified Zipper-Fracture Design. , 2017, , .		1
36	Hydrogen Degradation Effects on Crack Propagation in High-Strength Steels: A Fully Coupled Approach. <i>Lecture Notes in Mechanical Engineering</i> , 2021, , 165-178.	0.3	0

#	ARTICLE	IF	CITATIONS
37	Fully Coupled Numerical Simulation of Altered-stress Zones in Modified Zipper-frac Completion Design. , 2017, , .		0