

Souhir Zghal

List of Publications by Year in descending order

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29
papers

1,000
citations

516710

16
h-index

642732

23
g-index

30
all docs

30
docs citations

30
times ranked

387
citing authors

#	ARTICLE	IF	CITATIONS
1	Post-buckling behavior of functionally graded and carbon-nanotubes based structures with different mechanical loadings. <i>Mechanics Based Design of Structures and Machines</i> , 2022, 50, 2997-3039.	4.7	33
2	Static bending analysis of beams made of functionally graded porous materials. <i>Mechanics Based Design of Structures and Machines</i> , 2022, 50, 1012-1029.	4.7	49
3	Transient Response of Functionally Graded Porous Plate. <i>Lecture Notes in Mechanical Engineering</i> , 2022, , 150-155.	0.4	1
4	Frequency Response of FGM Beams. <i>Lecture Notes in Mechanical Engineering</i> , 2022, , 301-305.	0.4	0
5	Buckling Response of Nanocomposite Plate Under Uniaxial In-Plane Loads. <i>Lecture Notes in Mechanical Engineering</i> , 2022, , 313-318.	0.4	1
6	Buckling responses of porous structural components with gradient power-based and sigmoid material variations under different types of compression loads. <i>Composite Structures</i> , 2021, 273, 114313.	5.8	28
7	Vibration characteristics of plates and shells with functionally graded pores imperfections using an enhanced finite shell element. <i>Computers and Mathematics With Applications</i> , 2021, 99, 52-72.	2.7	24
8	Large deflection response-based geometrical nonlinearity of nanocomposite structures reinforced with carbon nanotubes. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2020, 41, 1227-1250.	3.6	37
9	Vibrational behavior of beams made of functionally graded materials by using a mixed formulation. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2020, 234, 3650-3666.	2.1	29
10	Thermo-elastic buckling and post-buckling analysis of functionally graded thin plate and shell structures. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2020, 42, 1.	1.6	37
11	Forced Vibration Analysis of Functionally Graded Carbon Nanotubes-Reinforced Composite Plates with Finite Element Strategy. <i>Lecture Notes in Mechanical Engineering</i> , 2020, , 778-785.	0.4	1
12	A Finite Element Procedure for Thermal Buckling Analysis of Functionally Graded Shell Structures. <i>Lecture Notes in Mechanical Engineering</i> , 2020, , 409-416.	0.4	1
13	A modified FSDT-based four nodes finite shell element for thermal buckling analysis of functionally graded plates and cylindrical shells. <i>Engineering Structures</i> , 2019, 178, 444-459.	5.3	109
14	Non-linear bending analysis of nanocomposites reinforced by graphene-nanotubes with finite shell element and membrane enhancement. <i>Engineering Structures</i> , 2018, 158, 95-109.	5.3	57
15	Dynamic analysis of functionally graded carbon nanotubes-reinforced plate and shell structures using a double directors finite shell element. <i>Aerospace Science and Technology</i> , 2018, 78, 438-451.	4.8	95
16	Finite rotation three and four nodes shell elements for functionally graded carbon nanotubes-reinforced thin composite shells analysis. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2018, 329, 289-311.	6.6	62
17	Free vibration analysis of carbon nanotube-reinforced functionally graded composite shell structures. <i>Applied Mathematical Modelling</i> , 2018, 53, 132-155.	4.2	119
18	Static Behavior of Carbon Nanotubes Reinforced Functionally Graded Nanocomposite Cylindrical Panels. <i>Lecture Notes in Mechanical Engineering</i> , 2018, , 199-207.	0.4	1

#	ARTICLE	IF	CITATIONS
19	A Four-Node Shell Element for Geometrically Nonlinear Analysis of Thin FGM Plates and Shells. Lecture Notes in Mechanical Engineering, 2018, , 209-215.	0.4	0
20	Post-buckling of FSDT of Functionally Graded Material Shell Structures. Lecture Notes in Mechanical Engineering, 2018, , 217-225.	0.4	1
21	Thermal post-buckling analysis of functionally graded material structures using a modified FSDT. International Journal of Mechanical Sciences, 2018, 144, 74-89.	6.7	81
22	Mechanical buckling analysis of functionally graded power-based and carbon nanotubes-reinforced composite plates and curved panels. Composites Part B: Engineering, 2018, 150, 165-183.	12.0	103
23	Static analysis of functionally graded carbon nanotube-reinforced plate and shell structures. Composite Structures, 2017, 176, 1107-1123.	5.8	87
24	Non-linear Model Reduction Method Applied to Viscoelastically Damped Sandwich Structures. Lecture Notes in Mechanical Engineering, 2015, , 553-562.	0.4	0
25	Model reduction methods for viscoelastic sandwich structures in frequency and time domains. Finite Elements in Analysis and Design, 2015, 93, 12-29.	3.2	30
26	Reduced-order model for non-linear dynamic analysis of viscoelastic sandwich structures in time domain. MATEC Web of Conferences, 2014, 16, 08003.	0.2	1
27	Reduction Method Applied to Viscoelastically Damped Finite Element Models. Lecture Notes in Mechanical Engineering, 2013, , 119-126.	0.4	0
28	Thermal free vibration analysis of functionally graded plates and panels with an improved finite shell element. Journal of Thermal Stresses, 0, , 1-27.	2.0	7
29	Free vibration analysis of porous beams with gradually varying mechanical properties. Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment, 0, , 147509022110477.	0.5	4