Subhas Chandra Kattimani

List of Publications by Year
in descending order

39	605	759233 12	642732 23
papers	citations	h-index	g-index

39	39	39	194
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Static studies of stepped functionally graded magneto-electro-elastic beam subjected to different thermal loads. Composite Structures, 2017, 163, 216-237.	5.8	90
2	Static analysis of stepped functionally graded magneto-electro-elastic plates in thermal environment: A finite element study. Composite Structures, 2017, 178, 63-86.	5.8	84
3	Active control of large amplitude vibrations of smart magnetoâ€“electroâ€“elastic doubly curved shells. International Journal of Mechanics and Materials in Design, 2014, 10, 351-378.	3.0	49
4	Influence of coupled fields on free vibration and static behavior of functionally graded magneto-electro-thermo-elastic plate. Journal of Intelligent Material Systems and Structures, 2018, 29, 1430-1455.	2.5	49
5	Hygrothermal coupling analysis of magneto-electroelastic beams using finite element methods. Journal of Thermal Stresses, 2018, 41, 1063-1079.	2.0	32
6	Effect of BaTiO₃/CoFe₂O₄ micro-topological textures on the coupled static behaviour of magneto-electro-thermo-elastic beams in different thermal environment. Materials Research Express, 2018, 5, 125702.	1.6	29
7	Finite element simulation of controlled frequency response of skew multiphase magneto-electro-elastic plates. Journal of Intelligent Material Systems and Structures, 2019, 30, 1757-1771.	2.5	28
8	Influence of porosity distribution on nonlinear free vibration and transient responses of porous functionally graded skew plates. Defence Technology, 2021, 17, 1918-1935.	4.2	24
9	Nonlinear free vibration and transient responses of porous functionally graded magneto-electro-elastic plates. Archives of Civil and Mechanical Engineering, 2022, 22, 1.	3.8	24
10	Neural Network-Based Prediction Model to Investigate the Influence of Temperature and Moisture on Vibration Characteristics of Skew Laminated Composite Sandwich Plates. Materials, 2021, 14, 3170.	2.9	22
11	Effect of porosity on active damping of geometrically nonlinear vibrations of a functionally graded magneto-electro-elastic plate. Defence Technology, 2022, 18, 891-906.	4.2	20
12	Geometrically nonlinear behavior of two-directional functionally graded porous plates with four different materials. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2022, 236, 11008-11023.	2.1	19
13	Geometrically Nonlinear Study of Functionally Graded Saturated Porous Plates Based on Refined Shear Deformation Plate Theory and Biotâ€™s Theory. International Journal of Structural Stability and Dynamics, 2023, 23, .	2.4	15
14	Active damping of multiferroic composite plates using 1â€“3 piezoelectric composites. Smart Materials and Structures, 2017, 26, 125021.	3.5	12
15	Frequency response analysis of edge-cracked magneto-electro-elastic functionally graded plates using extended finite element method. Theoretical and Applied Fracture Mechanics, 2022, 120, 103417.	4.7	11
16	Influence of Temperature and Moisture on Free Vibration Behavior of Skew Laminated Composite Sandwich Panels with CNTRC Core. International Journal of Structural Stability and Dynamics, 2022, 22, .	2.4	10
17	Buckling analysis of skew magneto-electro-elastic plates under in-plane loading. Journal of Intelligent Material Systems and Structures, 2018, 29, 2206-2222.	2.5	9
18	Effect of temperature on the performance of active constrained layer damping of skew sandwich plate with CNT reinforced composite core. Mechanics of Advanced Materials and Structures, 2022, 29, 5423-5442.	2.6	9

#	Article	IF	Citations
19	Study of mechanical and dynamic mechanical behavior of halloysite nanotubeâ€reinforced multiscale syntactic foam. Journal of Applied Polymer Science, 2021, 138, 49855.	2.6	9
20	Effect of different geometrical non-uniformities on nonlinear vibration of porous functionally graded skew plates: A finite element study. Defence Technology, 2022, 18, 918-936.	4.2	8
21	Pseudoelastic Behavior of Boron-Doped $$eta_{1}$$-Type Cu-Al-Be Shape Memory Alloys. Journal of Materials Engineering and Performance, 2021, 30, 6068-6078.	2.5	8
22	Assessment of Vibrational Frequencies and Static Characteristics of Multilayered Skew Magneto-Electro-Elastic Plates: A Finite Element Study. Iranian Journal of Science and Technology - Transactions of Mechanical Engineering, 2020, 44, 61-82.	1.3	7
23	Static, buckling, and free vibration characteristics of porous skew partially functionally graded magneto-electro-elastic plate. Mechanics Based Design of Structures and Machines, 2023, 51, 5541-5576.	4.7	7
24	Investigation on Properties of Shape Memory Alloy Wire of Cu-Al-Be Doped with Zirconium. Journal of Materials Engineering and Performance, 2020, 29, 7260-7269.	2.5	6
25	Effect of similar and dissimilar interface layers on delamination in hybrid plain woven glass/carbon epoxy laminated composite double cantilever beam under Mode-I loading. Theoretical and Applied Fracture Mechanics, 2021, 114, 102988.	4.7	6
26	Modal analysis of laminated composite and sandwich plates using finite element method. AIP Conference Proceedings, 2020, , .	0.4	4
27	Effect of Piezoelectric Interphase Thickness on Nonlinear Behavior of Multiphase Magnetoâ€“Electroâ€“Elastic Fibrous Composite Plate. Journal of Vibration Engineering and Technologies, 0, , 1.	2.2	4
28	An experimental evaluation of the microstructure, mechanical and functional fatigue properties of the boron-doped Cu-Al-Be SMA wires. Materials and Design, 2021, 210, 110081.	7.0	4
29	Experimental investigation on free vibration of composite beams implanted Ni-Ti shape memory alloy wires. AIP Conference Proceedings, 2019, , .	0.4	3
30	Dynamic performance of laminated composite plates with a circular hole. AIP Conference Proceedings, 2020, , .	0.4	2
31	Vibration control of laminated composite cantilever beam operating in elevated thermal environments using fuzzy logic controller. Noise and Vibration Worldwide, 2022, 53, 261-273.	1.0	1
32	Finite element modelling for mode-I fracture behaviour of CFRP. AIP Conference Proceedings, 2018, , .	0.4	0
33	Investigation of free vibration characteristics for skew multiphase magneto-electro-elastic plate. AIP Conference Proceedings, 2018, , .	0.4	0
34	Experimental investigation on modal characteristics of plain woven glass/carbon hybrid composite beams with fixed-free end condition. AIP Conference Proceedings, 2019, , .	0.4	0
35	Flexural behavior of nanoclay filled glass fiber/epoxy polymer nanocomposites. AIP Conference Proceedings, 2020, , .	0.4	0
36	Hygrothermal response analysis of MEE beam embedded in adaptive wood through FE methods. AIP Conference Proceedings, 2020, , .	0.4	0

#	Article	IF	Citations
37	Dynamic analysis of laminated composite sandwich plates with a circular hole. IOP Conference Series: Materials Science and Engineering, 2021, 1136, 012050.	0.6	0
38	Prediction of Cohesive Zone Length and Accurate Numerical Simulation of Delamination under Mixed-mode Loading. Applied Composite Materials, 2021, 28, 1861-1898.	2.5	0
39	Experimental investigation of the pseudoelastic behavior on zirconium modified Cuâ€“Alâ€“Be shape memory alloys for seismic applications. Smart Materials and Structures, 2022, 31, 055009.	3.5	0