

S Pradyumna

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

472
citations

933447

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h-index

794594

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g-index

20
all docs

20
docs citations

20
times ranked

279
citing authors

#	ARTICLE	IF	CITATIONS
1	Free vibration of functionally graded sandwich plates in thermal environment using a layerwise theory. <i>European Journal of Mechanics, A/Solids</i> , 2015, 51, 55-66.	3.7	92
2	A finite element formulation for thermally induced vibrations of functionally graded material sandwich plates and shell panels. <i>Composite Structures</i> , 2017, 160, 877-886.	5.8	74
3	Analysis of functionally graded sandwich plates using a higher-order layerwise theory. <i>Composites Part B: Engineering</i> , 2018, 153, 325-336.	12.0	61
4	A new C0 higher-order layerwise finite element formulation for the analysis of laminated and sandwich plates. <i>Composite Structures</i> , 2015, 131, 1-16.	5.8	40
5	A layerwise finite element formulation for free vibration analysis of functionally graded sandwich shells. <i>Composite Structures</i> , 2015, 133, 438-450.	5.8	39
6	Transient stress analysis of sandwich plate and shell panels with functionally graded material core under thermal shock. <i>Journal of Thermal Stresses</i> , 2018, 41, 543-567.	2.0	34
7	Nonlinear dynamic stability of laminated composite shells integrated with piezoelectric layers in thermal environment. <i>Acta Mechanica</i> , 2011, 218, 295-308.	2.1	24
8	Free vibration analysis of non-rectangular plates in contact with bounded fluid using element free Galerkin method. <i>Ocean Engineering</i> , 2018, 160, 438-448.	4.3	23
9	Geometrically nonlinear dynamic analysis of variable stiffness composite laminated and sandwich shell panels. <i>Thin-Walled Structures</i> , 2022, 173, 109021.	5.3	19
10	Geometrically Nonlinear Transient Response of Functionally Graded Shell Panels with Initial Geometric Imperfection. <i>Mechanics of Advanced Materials and Structures</i> , 2013, 20, 217-226.	2.6	18
11	DYNAMIC STABILITY OF LAMINATED COMPOSITE PLATES WITH PIEZOELECTRIC LAYERS SUBJECTED TO PERIODIC IN-PLANE LOAD. <i>International Journal of Structural Stability and Dynamics</i> , 2011, 11, 297-311.	2.4	10
12	Thermal shock response of porous functionally graded sandwich curved beam using a new layerwise theory. <i>Mechanics Based Design of Structures and Machines</i> , 2023, 51, 2055-2079.	4.7	9
13	Nonlinear dynamic stability of composite plates with piezoelectric layers subjected to periodic in-plane load. <i>IES Journal Part A: Civil and Structural Engineering</i> , 2011, 4, 17-28.	0.4	6
14	A numerical study on the nonlinear behavior of corner supported flat and curved panels. <i>Archive of Applied Mechanics</i> , 2018, 88, 503-516.	2.2	6
15	Computationally efficient finite element formulation for blood flow analysis in multi-layered aorta modeled as viscoelastic material. <i>International Journal for Numerical Methods in Engineering</i> , 2021, 122, 4313-4332.	2.8	5
16	Effect of thermal environment on the asymmetric vibration of temperature-dependent two-dimensional functionally graded annular plate by Chebyshev polynomials. <i>Journal of Thermal Stresses</i> , 2022, 45, 740-761.	2.0	5
17	Influence of cross-sectional velocity profile on flow characteristics of arterial wall modeled as elastic and viscoelastic material. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2021, 37, e3454.	2.1	4
18	Static and dynamic analyses of functionally graded sandwich skew shell panels. <i>Journal of Sandwich Structures and Materials</i> , 2021, 23, 4135-4169.	3.5	2

#	ARTICLE	IF	CITATIONS
19	A benchmark study on the axial velocity profile of wave propagation in deformable blood vessels. Physics of Fluids, 2021, 33, 041905.	4.0	1
20	Thermal shock analysis of functionally graded sandwich curved beams using a new layerwise theory. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 0, , e202100020.	1.6	0