

Zhu Su

List of Publications by Year in descending order

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36
papers

1,581
citations

304701

22
h-index

377849

34
g-index

36
all docs

36
docs citations

36
times ranked

653
citing authors

#	ARTICLE	IF	CITATIONS
1	A unified solution for vibration analysis of functionally graded cylindrical, conical shells and annular plates with general boundary conditions. <i>International Journal of Mechanical Sciences</i> , 2014, 80, 62-80.	6.7	143
2	A unified approach for the vibration analysis of moderately thick composite laminated cylindrical shells with arbitrary boundary conditions. <i>International Journal of Mechanical Sciences</i> , 2013, 75, 357-376.	6.7	141
3	Three-dimensional exact solution for the free vibration of arbitrarily thick functionally graded rectangular plates with general boundary conditions. <i>Composite Structures</i> , 2014, 108, 565-577.	5.8	140
4	An exact solution for the free vibration analysis of laminated composite cylindrical shells with general elastic boundary conditions. <i>Composite Structures</i> , 2013, 106, 114-127.	5.8	127
5	Three-dimensional vibration analysis of thick functionally graded conical, cylindrical shell and annular plate structures with arbitrary elastic restraints. <i>Composite Structures</i> , 2014, 118, 432-447.	5.8	97
6	A unified Chebyshev-Ritz formulation for vibration analysis of composite laminated deep open shells with arbitrary boundary conditions. <i>Archive of Applied Mechanics</i> , 2014, 84, 441-471.	2.2	79
7	Electro-mechanical vibration characteristics of functionally graded piezoelectric plates with general boundary conditions. <i>International Journal of Mechanical Sciences</i> , 2018, 138-139, 42-53.	6.7	62
8	Free vibration analysis of moderately thick functionally graded open shells with general boundary conditions. <i>Composite Structures</i> , 2014, 117, 169-186.	5.8	58
9	A unified accurate solution for vibration analysis of arbitrary functionally graded spherical shell segments with general end restraints. <i>Composite Structures</i> , 2014, 111, 271-284.	5.8	55
10	A modified Fourier solution for vibration analysis of moderately thick laminated plates with general boundary restraints and internal line supports. <i>International Journal of Mechanical Sciences</i> , 2014, 80, 29-46.	6.7	53
11	Three-dimensional vibration analysis of laminated functionally graded spherical shells with general boundary conditions. <i>Composite Structures</i> , 2014, 116, 571-588.	5.8	53
12	Vibration analysis of coupled conical-cylindrical-spherical shells using a Fourier spectral element method. <i>Journal of the Acoustical Society of America</i> , 2016, 140, 3925-3940.	1.1	52
13	A general Fourier formulation for vibration analysis of functionally graded sandwich beams with arbitrary boundary condition and resting on elastic foundations. <i>Acta Mechanica</i> , 2016, 227, 1493-1514.	2.1	52
14	Free vibration analysis of laminated composite shallow shells with general elastic boundaries. <i>Composite Structures</i> , 2013, 106, 470-490.	5.8	50
15	Three-dimensional vibration analysis of isotropic and orthotropic conical shells with elastic boundary restraints. <i>International Journal of Mechanical Sciences</i> , 2014, 89, 207-221.	6.7	46
16	A modified Fourier-Ritz approach for free vibration analysis of laminated functionally graded shallow shells with general boundary conditions. <i>International Journal of Mechanical Sciences</i> , 2015, 93, 256-269.	6.7	44
17	Vibration analysis and transient response of a functionally graded piezoelectric curved beam with general boundary conditions. <i>Smart Materials and Structures</i> , 2016, 25, 065003.	3.5	41
18	Vibration characteristic and flutter analysis of elastically restrained stiffened functionally graded plates in thermal environment. <i>International Journal of Mechanical Sciences</i> , 2019, 157-158, 872-884.	6.7	38

#	ARTICLE	IF	CITATIONS
19	Free vibration analysis of laminated composite and functionally graded sector plates with general boundary conditions. <i>Composite Structures</i> , 2015, 132, 720-736.	5.8	36
20	Three-dimensional free vibration analysis of functionally graded annular sector plates with general boundary conditions. <i>Composites Part B: Engineering</i> , 2015, 83, 352-366.	12.0	36
21	Vibration analysis of multiple-stepped functionally graded beams with general boundary conditions. <i>Composite Structures</i> , 2018, 186, 315-323.	5.8	29
22	Three-dimensional vibration analysis of functionally graded sandwich deep open spherical and cylindrical shells with general restraints. <i>JVC/Journal of Vibration and Control</i> , 2016, 22, 3326-3354.	2.6	23
23	A spectral-sampling surface method for the vibration of 2-D laminated curved beams with variable curvatures and general restraints. <i>International Journal of Mechanical Sciences</i> , 2016, 110, 170-189.	6.7	21
24	Modified Fourier-Ritz Approximation for the Free Vibration Analysis of Laminated Functionally Graded Plates with Elastic Restraints. <i>International Journal of Applied Mechanics</i> , 2015, 07, 1550073.	2.2	20
25	Vibro-acoustic modeling and analysis of a coupled acoustic system comprising a partially opened cavity coupled with a flexible plate. <i>Mechanical Systems and Signal Processing</i> , 2018, 98, 324-343.	8.0	20
26	Three-dimensional vibration analysis of sandwich and multilayered plates with general ply stacking sequences by a spectral-sampling surface method. <i>Composite Structures</i> , 2017, 176, 1124-1142.	5.8	18
27	Thermo-Mechanical Vibration Analysis of Size-Dependent Functionally Graded Micro-Beams with General Boundary Conditions. <i>International Journal of Applied Mechanics</i> , 2018, 10, 1850088.	2.2	14
28	Elasticity solution for vibration of 2-D curved beams with variable curvatures using a spectral-sampling surface method. <i>International Journal for Numerical Methods in Engineering</i> , 2017, 111, 1075-1100.	2.8	10
29	Surface evolution caused by curvature driven forces based on natural exponential pair potential. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2019, 35, 445-456.	3.4	6
30	Hypersonic Aeroelastic Response of Elastic Boundary Panel Based on a Modified Fourier Series Method. <i>International Journal of Aerospace Engineering</i> , 2019, 2019, 1-13.	0.9	5
31	Flutter analysis of rotating beams with elastic restraints. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2022, 43, 761-776.	3.6	4
32	Supersonic Flutter Analysis of Functionally Graded Fiber Orientation Plates with Elastic Restraints. <i>AIAA Journal</i> , 2019, 57, 3104-3109.	2.6	3
33	Transverse shear and normal deformation effects on vibration behaviors of functionally graded micro-beams. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2020, 41, 1303-1320.	3.6	3
34	A Unified Accurate Solution for Three-dimensional Vibration Analysis of Functionally Graded Plates and Cylindrical Shells with General Boundary Conditions. , 2016, , .		1
35	Inplane vibration analysis of rotating beams with elastic restraints. <i>JVC/Journal of Vibration and Control</i> , 2023, 29, 1484-1497.	2.6	1
36	Three-Dimensional Aeroelastic Stability of Elastically Restrained Plates in Subsonic Flow. <i>AIAA Journal</i> , 2020, 58, 5490-5495.	2.6	0