K K Viswanathan

List of Publications by Year
in descending order

39	621	623188	610482
papers	citations	14 h-index	24 g-index

39	39	39	804
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Phase transition kinetics and surface binding states of methylammonium lead iodide perovskite. Physical Chemistry Chemical Physics, 2016, 18, 7284-7292.	1.3	94
2	Influence of Cu Vacancy on Knit Coir Mat Structured CuS as Counter Electrode for Quantum Dot Sensitized Solar Cells. ACS Applied Materials & Interfaces, 2014, 6, 19702-19709.	4.0	77
3	CuS nano flakes and nano platelets as counter electrode for quantum dots sensitized solar cells. Electrochimica Acta, 2014, 149, 364-369.	2.6	60
4	Inhibition of Redox Behaviors in Hierarchically Structured Manganese Cobalt Phosphate Supercapacitor Performance by Surface Trivalent Cations. ACS Omega, 2018, 3, 1718-1725.	1.6	30
5	Free vibration study of layered cylindrical shells by collocation with splines. Journal of Sound and Vibration, 2003, 260, 807-827.	2.1	29
6	Free vibration of laminated cross-ply plates including shear deformation by spline method. International Journal of Mechanical Sciences, 2007, 49, 352-363.	3.6	23
7	Vibration analysis of cross-ply laminated truncated conical shells using a spline method. Journal of Engineering Mathematics, 2012, 76, 139-156.	0.6	23
8	Free vibration of anti-symmetric angle-ply laminated conical shells. Composite Structures, 2015, 122, 488-495.	3.1	22
9	Free vibration of layered truncated conical shell frusta of differently varying thickness by the method of collocation with cubic and quintic splines. International Journal of Solids and Structures, 2005, 42, 1129-1150.	1.3	21
10	Free vibration of anti-symmetric angle-ply cylindrical shell walls using first-order shear deformation theory. JVC/Journal of Vibration and Control, 2016, 22, 1757-1768.	1.5	21
11	Free vibration of multi-layered circular cylindrical shell with cross-ply walls, including shear deformation by using spline function method. Journal of Mechanical Science and Technology, 2008, 22, 2062-2075.	0.7	18
12	Stacked Cu_{1.8}S nanoplatelets as counter electrode for quantum dot-sensitized solar cell. RSC Advances, 2015, 5, 100560-100567.	1.7	18
13	Free vibration of antisymmetric angle-ply-laminated plates including transverse shear deformation: Spline method. International Journal of Mechanical Sciences, 2008, 50, 1476-1485.	3.6	16
14	Effect of Variable Fluid Properties on Natural Convection of Nanofluids in a Cavity with Linearly Varying Wall Temperature. Mathematical Problems in Engineering, 2015, 2015, 1-13.	0.6	15
15	Free vibration of cross-ply layered circular cylindrical shells filled with quiescent fluid under first order shear deformation theory. International Journal of Pressure Vessels and Piping, 2019, 170, 73-81.	1.2	13
16	Growth mechanisms and origin of localized surface plasmon resonance coupled exciton effects in Cu_{2â^'x}S thin films. RSC Advances, 2016, 6, 19034-19040.	1.7	12
17	Free vibration of anti-symmetric angle-ply layered circular cylindrical shells filled with quiescent fluid under first order shear deformation theory. Composite Structures, 2018, 193, 189-197.	3.1	12
18	Free vibration of symmetric angle-ply laminated annular circular plate of variable thickness under shear deformation theory. Meccanica, 2015, 50, 3013-3027.	1.2	11

#	Article	IF	Citations
19	Free vibration of symmetric angle-ply laminated cylindrical shells of variable thickness. Acta Mechanica, 2011, 221, 309-319.	1.1	10
20	Free vibration of layered cylindrical shells filled with fluid. Applied Mathematics and Mechanics (English Edition), 2016, 37, 803-820.	1.9	10
21	Free vibration of anti-symmetric angle-ply plates with variable thickness. Composite Structures, 2016, 137, 56-69.	3.1	10
22	Asymmetric free vibrations of laminated annular cross-ply circular plates including the effects of shear deformation and rotary inertia: spline method. Forschung Im Ingenieurwesen/Engineering Research, 2009, 73, 205-217.	1.0	8
23	Free vibration of symmetric angle ply truncated conical shells under different boundary conditions using spline method. Journal of Mechanical Science and Technology, 2015, 29, 2073-2080.	0.7	8
24	Effects of Chemical Reactions on Unsteady Free Convective and Mass Transfer Flow from a Vertical Cone with Heat Generation/Absorption in the Presence of VWT/VWC. Mathematical Problems in Engineering, 2014, 2014, 1-20.	0.6	7
25	Free vibration of layered truncated conical shells filled with quiescent fluid using spline method. Composite Structures, 2017, 163, 385-398.	3.1	7
26	Vibration of antisymmetric angle-ply laminated plates under higher order shear theory. Steel and Composite Structures, 2016, 22, 1281-1299.	1.3	7
27	Vibration analysis of a shear deformed anti-symmetric angle-ply conical shells with varying sinusoidal thickness. Structural Engineering and Mechanics, 2016, 58, 1001-1020.	1.0	6
28	Vibration of antisymmetric angle-ply composite annular plates of variable thickness. Journal of Mechanical Science and Technology, 2018, 32, 2155-2162.	0.7	5
29	Free Vibration of Layered Circular Cylindrical Shells of Variable Thickness Using Spline Function Approximation. Mathematical Problems in Engineering, 2010, 2010, 1-14.	0.6	4
30	Free Vibration of Cross-Ply Laminated Plates with Variable Thickness Based on Shear Deformation Theory. International Journal of Computational Methods, 2016, 13, 1650016.	0.8	4
31	Vibration of Antisymmetric Angle-Ply Laminated Plates of Higher-Order Theory with Variable Thickness. Mathematical Problems in Engineering, 2018, 2018, 1-14.	0.6	4
32	Vibration of symmetrically layered angle-ply cylindrical shells filled with fluid. PLoS ONE, 2019, 14, e0219089.	1.1	4
33	Free vibration analysis of composite cylindrical shells with non-uniform thickness walls. Steel and Composite Structures, 2016, 20, 1087-1102.	1.3	4
34	A shallow water model for the propagation of tsunami via Lattice Boltzmann method. IOP Conference Series: Earth and Environmental Science, 2015, 23, 012007.	0.2	3
35	Buckling Analysis of Rectangular Plates with Variable Thickness Resting on Elastic Foundation. IOP Conference Series: Earth and Environmental Science, 2015, 23, 012006.	0.2	3
36	Free vibration of symmetric angle-ply laminated circular cylindrical shells. IOP Conference Series: Earth and Environmental Science, 2014, 19, 012010.	0.2	1

#	Article	IF	Citations
37	Mathematical modeling of magneto rheological fluid damper in the semi-active suspension system. AIP Conference Proceedings, 2019, , .	0.3	1
38	Comparative study of free vibration of anti-symmetric angle-ply laminated plates. AIP Conference Proceedings, 2016, , .	0.3	0
39	On accelerated flow of MHD powellâ€“eyring fluid via homotopy analysis method. Journal of Physics: Conference Series, 2017, 890, 012006.	0.3	0