Korosh Khorshidi

List of Publications by Year
in descending order

23	551	687363 13	752698 20
papers	citations	h-index	g-index

23	23	23	385
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Exact solution for linear buckling of rectangular Mindlin plates. Journal of Sound and Vibration, 2008, 315, 318-342.	3.9	97
2	Buckling analysis of functionally graded rectangular nano-plate based on nonlocal exponential shear deformation theory. International Journal of Mechanical Sciences, 2016, 113, 94-104.	6.7	72
3	Free vibration analysis of a laminated composite rectangular plate in contact with a bounded fluid. Composite Structures, 2013, 104, 176-186.	5.8	58
4	Design, manufacturing and applications of small-scale magnetic soft robots. Extreme Mechanics Letters, 2021, 44, 101268.	4.1	44
5	NONLINEAR VIBRATIONS OF RECTANGULAR LAMINATED COMPOSITE PLATES WITH DIFFERENT BOUNDARY CONDITIONS. International Journal of Structural Stability and Dynamics, 2011, 11, 673-695.	2.4	40
6	Free vibration analysis of a functionally graded rectangular plate in contact with a bounded fluid. Acta Mechanica, 2015, 226, 3401-3423.	2.1	27
7	Experimental and analytical modal studies of vibrating rectangular plates in contact with a bounded fluid. Ocean Engineering, 2017, 140, 146-154.	4.3	27
8	Flutter analysis of sandwich plates with functionally graded face sheets in thermal environment. Aerospace Science and Technology, 2019, 95, 105461.	4.8	27
9	Active vibration control of circular plates coupled with piezoelectric layers excited by plane sound wave. Applied Mathematical Modelling, 2015, 39, 1217-1228.	4.2	26
10	Analytical modeling for vibrating piezoelectric nanoplates in interaction with inviscid fluid using various modified plate theories. Ocean Engineering, 2019, 181, 267-280.	4.3	22
11	On the effects of coupling between in-plane and out-of-plane vibrating modes of smart functionally graded circular/annular plates. Applied Mathematical Modelling, 2012, 36, 1132-1147.	4.2	20
12	Size-dependent hydroelastic vibration of FG microplates partially in contact with a fluid. Composite Structures, 2020, 244, 112320.	5.8	19
13	Exact acoustical analysis of vibrating rectangular plates with two opposite edges simply supported via Mindlin plate theory. Journal of Sound and Vibration, 2009, 322, 883-900.	3.9	15
14	Aeroelastic analysis of rectangular plates coupled to sloshing fluid. Acta Mechanica, 2020, 231, 3183-3198.	2.1	11
15	Vibration of variable stiffness composite laminate and hybrid composite laminate plates coupled to sloshing fluid. Composite Structures, 2022, 292, 115630.	5.8	11
16	Fluid-structure interaction analysis of vibrating microplates in interaction with sloshing fluids with free surface. Applied Ocean Research, 2022, 121, 103088.	4.1	10
17	Vibro-acoustic analysis of Mindlin rectangular plates resting on an elastic foundation. Scientia Iranica, 2011, 18, 45-52.	0.4	9
18	A comprehensive nonlocal surface-piezoelectricity model for thermal and vibration analyses of piezoelectric nanoplates. Composite Structures, 2021, 263, 113654.	5.8	7

#	Article	IF	Citations
19	Elasto-Plastic Response of Impacted Moderatly Thick Rectangular Plates with Different Boundary Conditions. Procedia Engineering, 2011, 10, 1742-1747.	1.2	3
20	The effect of nonlinear temperature distribution on the vibrational behavior of a sizeâ€dependent FG laminated rectangular plates undergoing prescribed overall motion. Polymer Composites, 2019, 40, 766-778.	4.6	3
21	Non-linear Free Vibration Analysis of a Thick Sandwich Panel with an Electrorheological Core. Journal of Vibration Engineering and Technologies, 0, , 1.	2.2	2
22	Comparison of the application of smart electrorheological and magnetorheological fluid cores to damp sandwich panelsâ€™ vibration behavior, based on a novel higher-order shear deformation theory. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 0, , 095440892110378.	2.5	1
23	Effect of Hydrostatic Pressure and Depth of Fluid on the Vibrating Rectangular Plates Partially in Contact with a Fluid. Applied Mechanics and Materials, 0, 110-116, 927-935.	0.2	0