

# E Jomehzadeh

## List of Publications by Year in descending order

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29  
papers

1,027  
citations

567281

15  
h-index

552781

26  
g-index

29  
all docs

29  
docs citations

29  
times ranked

619  
citing authors

#	ARTICLE	IF	CITATIONS
1	The size-dependent vibration analysis of micro-plates based on a modified couple stress theory. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2011, 43, 877-883.	2.7	242
2	Levy Solution for Buckling Analysis of Functionally Graded Rectangular Plates. <i>Applied Composite Materials</i> , 2010, 17, 81-93.	2.5	112
3	A study on large amplitude vibration of multilayered graphene sheets. <i>Computational Materials Science</i> , 2011, 50, 1043-1051.	3.0	102
4	An analytical approach for stress analysis of functionally graded annular sector plates. <i>Materials &amp; Design</i> , 2009, 30, 3679-3685.	5.1	74
5	An exact solution for free vibration of thin functionally graded rectangular plates. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2011, 225, 526-536.	2.1	74
6	Decoupling the nonlocal elasticity equations for three dimensional vibration analysis of nano-plates. <i>Composite Structures</i> , 2011, 93, 1015-1020.	5.8	66
7	Large amplitude vibration of a bilayer graphene embedded in a nonlinear polymer matrix. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2012, 44, 1973-1982.	2.7	48
8	Analytical solution for free vibration of transversely isotropic sector plates using a boundary layer function. <i>Thin-Walled Structures</i> , 2009, 47, 82-88.	5.3	40
9	Exact analytical solution for free vibration of functionally graded thin annular sector plates resting on elastic foundation. <i>JVC/Journal of Vibration and Control</i> , 2012, 18, 246-267.	2.6	37
10	A novel analytical approach for the buckling analysis of moderately thick functionally graded rectangular plates with two simply-supported opposite edges. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2010, 224, 1831-1841.	2.1	33
11	Benchmark solution for free vibration of functionally graded moderately thick annular sector plates. <i>Acta Mechanica</i> , 2011, 219, 309-335.	2.1	30
12	On the analytical approach for the bending/stretching of linearly elastic functionally graded rectangular plates with two opposite edges simply supported. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2009, 223, 2009-2016.	2.1	21
13	On the stress singularities and boundary layer in moderately thick functionally graded sectorial plates. <i>Applied Mathematical Modelling</i> , 2010, 34, 3478-3492.	4.2	18
14	Nonlinear softening and hardening nonlocal bending stiffness of an initially curved monolayer graphene. <i>International Journal of Non-Linear Mechanics</i> , 2013, 56, 123-131.	2.6	18
15	Influence of out-of-plane defects on vibration analysis of graphene: Molecular Dynamics and Non-local Elasticity approaches. <i>Superlattices and Microstructures</i> , 2016, 91, 331-344.	3.1	17
16	Accurate natural frequencies of transversely isotropic moderately thick annular sector plates. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2009, 223, 307-317.	2.1	15
17	Reformulation of Navier equations for solving three-dimensional elasticity problems with applications to thick plate analysis. <i>Acta Mechanica</i> , 2009, 208, 227-235.	2.1	14
18	On the boundary layer phenomenon in bending of thick annular sector plates using third-order shear deformation theory. <i>Acta Mechanica</i> , 2010, 211, 89-99.	2.1	14

#	ARTICLE	IF	CITATIONS
19	Bending stiffening of graphene and other 2D materials via controlled rippling. Composites Part B: Engineering, 2015, 83, 194-202.	12.0	14
20	Nonlinear subharmonic oscillation of orthotropic graphene-matrix composite. Computational Materials Science, 2015, 99, 164-172.	3.0	11
21	Study of Small Scale Effect on Nonlinear Vibration of Nano-Plates. Journal of Computational and Theoretical Nanoscience, 2012, 9, 864-871.	0.4	10
22	Piezoelectricity and length scale effect on the vibrational behaviors of circular sandwich micro-plates. Journal of Sandwich Structures and Materials, 2021, 23, 279-300.	3.5	5
23	A closed form solution for bending/stretching analysis of functionally graded circular plates under asymmetric loading using the Green function. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2010, 224, 1153-1163.	2.1	4
24	A Levy Type Solution for Free Vibration Analysis of a Nano-Plate Considering the Small Scale Effect. , 2011, , .		3
25	A Levy-type solution for buckling analysis of micro-plates considering the small length scale. Mechanics and Industry, 2014, 15, 225-232.	1.3	2
26	Length scale-dependent natural frequencies of piezoelectric microplates. JVC/Journal of Vibration and Control, 2018, 24, 2749-2759.	2.6	2
27	On the Stretching and Bending Analyses of Thin Functionally Graded Annular Sector Plates. Advanced Structured Materials, 2012, , 433-446.	0.5	1
28	On the Stress Singularities and Boundary Layer in Moderately Thick Functionally Graded Sectorial Plates. , 2010, , .		0
29	A Study on the Buckling Characteristics of Conical Shell Using Differential Quadrature Method. , 2010, , .		0