

Ali Reza Shahidi

List of Publications by Year in descending order

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48
papers

1,247
citations

377584

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docs citations

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times ranked

701
citing authors

#	ARTICLE	IF	CITATIONS
1	Two Differential Equations for Investigating the Vibration of Conductive Nanoplates in a Constant In-Plane Magnetic Field Based on the Energy Conservation Principle and the Local Equilibrium Equations. <i>Nanobiotechnology Reports</i> , 2021, 16, 175-182.	0.2	1
2	Numerical and Experimental Studies on Cyclic Behavior of Beam-to-Column Connection with Yielding Steel Damper. <i>International Journal of Steel Structures</i> , 2020, 20, 480-492.	0.6	3
3	Wave Dispersion in Multilayered Reinforced Nonlocal Plates under Nonlinearly Varying Initial Stress. <i>Eng</i> , 2020, 1, 31-47.	1.2	0
4	A general comparison the surface layer degree on the out-of-phase and in-phase vibration behavior of a skew double-layer magneto-electro-thermo-elastic nanoplate. <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1.	1.1	11
5	Elastic waves in fluid-conveying carbon nanotubes under magneto-hygro-mechanical loads via a two-phase local/nonlocal mixture model. <i>Materials Research Express</i> , 2019, 6, 0850a8.	0.8	24
6	Influences of non-uniform initial stresses on vibration of small-scale sheets reinforced by shape memory alloy nanofibers. <i>European Physical Journal Plus</i> , 2019, 134, 1.	1.2	12
7	Frequency behavior of ultrasmall sensors using vibrating SMA nanowire-reinforced sheets under a non-uniform biaxial preload. <i>Materials Research Express</i> , 2019, 6, 065047.	0.8	9
8	Comparing magnitudes of surface energy stress in synchronous and asynchronous bending/buckling analysis of slanting double-layer METE nanoplates. <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1.	1.1	10
9	Smart reinforced nano/microscale plates for mass detection at ultrasmall levels: A nonlocal continuum-based approach. <i>European Physical Journal Plus</i> , 2019, 134, 1.	1.2	6
10	Influence of initial edge displacement on the nonlinear vibration, electrical and magnetic instabilities of magneto-electro-elastic nanofilms. <i>Mechanics of Advanced Materials and Structures</i> , 2019, 26, 1469-1481.	1.5	37
11	A nonlocal continuum model for the biaxial buckling analysis of composite nanoplates with shape memory alloy nanowires. <i>Materials Research Express</i> , 2018, 5, 035026.	0.8	33
12	Post-Buckling, Limit Point, and Bifurcation Analyses of Shallow Nano-Arches by Generalized Displacement Control and Finite Difference Considering Small-Scale Effects. <i>International Journal of Structural Stability and Dynamics</i> , 2018, 18, 1850014.	1.5	8
13	Buckling analysis of skew magneto-electro-thermo-elastic nanoplates considering surface energy layers and utilizing the Galerkin method. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.	1.1	27
14	Resonant frequency tuning of nanobeams by piezoelectric nanowires under thermo-electromagnetic field: a theoretical study. <i>Micro and Nano Letters</i> , 2018, 13, 1627-1632.	0.6	17
15	Vibration of initially stressed carbon nanotubes under magneto-thermal environment for nanoparticle delivery via higher-order nonlocal strain gradient theory. <i>European Physical Journal Plus</i> , 2018, 133, 1.	1.2	40
16	Shear vibration and buckling of double-layer orthotropic nanoplates based on RPT resting on elastic foundations by DQM including surface effects. <i>Microsystem Technologies</i> , 2017, 23, 765-797.	1.2	32
17	Positive and negative surface effects on the buckling and vibration of rectangular nanoplates under biaxial and shear in-plane loadings based on nonlocal elasticity theory. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2017, 39, 1391-1404.	0.8	20
18	3D elasticity analytical solution for bending of FG micro/nanoplates resting on elastic foundation using modified couple stress theory. <i>Applied Mathematical Modelling</i> , 2017, 47, 174-188.	2.2	32

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19	Surface layer and nonlocal parameter effects on the in-phase and out-of-phase natural frequencies of a double-layer piezoelectric nanoplate under thermo-electro-mechanical loadings. <i>Microsystem Technologies</i> , 2017, 23, 4903-4915.	1.2	23
20	Nonlocal, refined plate, and surface effects theories used to analyze free vibration of magnetoelastoelectric nanoplates under thermo-mechanical and shear loadings. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	1.1	31
21	Thermo-mechanical vibration, buckling, and bending of orthotropic graphene sheets based on nonlocal two-variable refined plate theory using finite difference method considering surface energy effects. <i>Proceedings of the Institution of Mechanical Engineers, Part N: Journal of Nanomaterials, Nanoengineering and Nanosystems</i> , 2017, 231, 111-130.	0.5	12
22	Two-phase vesicles: a study on evolutionary and stationary models. <i>European Biophysics Journal</i> , 2017, 46, 343-350.	1.2	2
23	Closed-form elasticity solution for three-dimensional deformation of functionally graded micro/nano plates on elastic foundation. <i>Latin American Journal of Solids and Structures</i> , 2015, 12, 747-762.	0.6	12
24	Exact closed-form free vibration analysis for functionally graded micro/nano plates based on modified couple stress and three-dimensional elasticity theories. <i>Composite Structures</i> , 2015, 124, 283-291.	3.1	64
25	Modified nonlocal elasticity theory for functionally graded materials. <i>International Journal of Engineering Science</i> , 2015, 90, 44-57.	2.7	106
26	Combining surface effects and nonlocal two variable refined plate theories on the shear/biaxial buckling and vibration of silver nanoplates. <i>Micro and Nano Letters</i> , 2015, 10, 276-281.	0.6	36
27	Exact analytical solution for free vibration of functionally graded micro/nanoplates via three-dimensional nonlocal elasticity. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2015, 66, 350-358.	1.3	34
28	Finite element buckling analysis of multi-layered graphene sheets on elastic substrate based on nonlocal elasticity theory. <i>Applied Mathematical Modelling</i> , 2014, 38, 5934-5955.	2.2	65
29	Study of the behavior of ultrasonic piezo-ceramic actuators by simulations. <i>Electronic Materials Letters</i> , 2014, 10, 37-42.	1.0	18
30	Analysis of the buckling of rectangular nanoplates by use of finite-difference method. <i>Meccanica</i> , 2014, 49, 1443-1455.	1.2	33
31	Nonlinear analysis of uni-lateral buckling for cylindrical panels on tensionless foundation. <i>Thin-Walled Structures</i> , 2013, 62, 109-117.	2.7	15
32	Axisymmetric buckling of the circular annular nanoplates using finite difference method. <i>Meccanica</i> , 2013, 48, 135-144.	1.2	27
33	Free vibration analysis of quadrilateral nanoplates based on nonlocal continuum models using the Galerkin method: the effects of small scale. <i>Meccanica</i> , 2013, 48, 971-982.	1.2	21
34	Postbuckling analysis of multi-layered graphene sheets under non-uniform biaxial compression. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2013, 47, 197-206.	1.3	59
35	Nonlinear buckling analysis of laminated composite curved panels constrained by Winkler tensionless foundation. <i>European Journal of Mechanics, A/Solids</i> , 2013, 39, 120-133.	2.1	8
36	Fundamental size dependent natural frequencies of non-uniform orthotropic nano scaled plates using nonlocal variational principle and finite element method. <i>Applied Mathematical Modelling</i> , 2013, 37, 7047-7061.	2.2	27

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37	Unilateral buckling of point-restrained triangular plates. <i>Thin-Walled Structures</i> , 2013, 66, 1-8.	2.7	3
38	Buckling of orthotropic micro/nanoscale plates under linearly varying in-plane load via nonlocal continuum mechanics. <i>Composite Structures</i> , 2012, 94, 1605-1615.	3.1	122
39	Small-scale effects on the buckling of quadrilateral nanoplates based on nonlocal elasticity theory using the Galerkin method. <i>Archive of Applied Mechanics</i> , 2011, 81, 1051-1062.	1.2	80
40	Vibration of quadrilateral embedded multilayered graphene sheets based on nonlocal continuum models using the Galerkin method. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2011, 27, 967-976.	1.5	16
41	A new element for analyzing large deformation of thin Naghdi shell model. Part II: Plastic. <i>Applied Mathematical Modelling</i> , 2011, 35, 2650-2668.	2.2	2
42	Analysis of post buckling behavior of circular plates with non-concentric hole using the Rayleigh-Ritz method. <i>Applied Mathematical Modelling</i> , 2011, 35, 3136-3153.	2.2	4
43	Axisymmetric buckling of the circular graphene sheets with the nonlocal continuum plate model. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2011, 43, 1820-1825.	1.3	90
44	Modeling and Optimization of an Elliptical Shape Ultrasonic Motor Using Combination of Finite Element Method and Design of Experiments. , 2010, , .		0
45	A new element for analyzing large deformation of thin Naghdi shell model. Part I: Elastic. <i>Applied Mathematical Modelling</i> , 2010, 34, 4267-4277.	2.2	3
46	Dynamic Modeling of a Piezo-Driven Compliant Mechanism Using Modal Analysis. , 2009, , .		0
47	Nonlinear static analysis of arbitrary quadrilateral plates in very large deflections. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2007, 12, 832-848.	1.7	10
48	Closed-Loop Finite Element Modeling for Analysis of Smart Structures in ANSYS Environment. , 2006, , 1555.		2