

S R Mahmoud :

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

2,645
citations

201674

27
h-index

289244

40
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64
all docs

64
docs citations

64
times ranked

1146
citing authors

#	ARTICLE	IF	CITATIONS
1	Size dependent bending and vibration analysis of functionally graded micro beams based on modified couple stress theory and neutral surface position. <i>Composite Structures</i> , 2015, 125, 621-630.	5.8	215
2	On vibration properties of functionally graded nano-plate using a new nonlocal refined four variable model. <i>Steel and Composite Structures</i> , 2015, 18, 1063-1081.	1.3	178
3	A sinusoidal plate theory with 5-unknowns and stretching effect for thermomechanical bending of functionally graded sandwich plates. <i>Steel and Composite Structures</i> , 2015, 18, 235-253.	1.3	177
4	Bending and buckling analyses of functionally graded material (FGM) size-dependent nanoscale beams including the thickness stretching effect. <i>Steel and Composite Structures</i> , 2015, 18, 425-442.	1.3	164
5	A new higher-order shear and normal deformation theory for the static and free vibration analysis of sandwich plates with functionally graded isotropic face sheets. <i>Journal of Sandwich Structures and Materials</i> , 2013, 15, 671-703.	3.5	145
6	Hygro-thermo-mechanical bending of S-FGM plates resting on variable elastic foundations using a four-variable trigonometric plate theory. <i>Smart Structures and Systems</i> , 2016, 18, 755-786.	1.9	112
7	A new simple three-unknown sinusoidal shear deformation theory for functionally graded plates. <i>Steel and Composite Structures</i> , 2016, 22, 257-276.	1.3	92
8	An analytical solution for bending, buckling and vibration responses of FGM sandwich plates. <i>Journal of Sandwich Structures and Materials</i> , 2019, 21, 727-757.	3.5	91
9	A novel quasi-3D trigonometric plate theory for free vibration analysis of advanced composite plates. <i>Composite Structures</i> , 2018, 184, 688-697.	5.8	84
10	A refined quasi-3D shear deformation theory for thermo-mechanical behavior of functionally graded sandwich plates on elastic foundations. <i>Journal of Sandwich Structures and Materials</i> , 2019, 21, 1906-1929.	3.5	84
11	Analytical modeling of bending and vibration of thick advanced composite plates using a four-variable quasi 3D HSDT. <i>Engineering With Computers</i> , 2020, 36, 807-821.	6.1	78
12	A new five-unknown refined theory based on neutral surface position for bending analysis of exponential graded plates. <i>Meccanica</i> , 2014, 49, 795-810.	2.0	71
13	Thermal buckling analysis of cross-ply laminated plates using a simplified HSDT. <i>Smart Structures and Systems</i> , 2017, 19, 289-297.	1.9	69
14	Magneto-thermoelastic problem in rotating non-homogeneous orthotropic hollow cylinder under the hyperbolic heat conduction model. <i>Meccanica</i> , 2010, 45, 451-462.	2.0	65
15	A computational shear displacement model for vibrational analysis of functionally graded beams with porosities. <i>Steel and Composite Structures</i> , 2015, 19, 369-384.	1.3	61
16	Theory and Experimental Validation of a Spatio-temporal Model of Chemotherapy Transport to Enhance Tumor Cell Kill. <i>PLoS Computational Biology</i> , 2016, 12, e1004969.	3.2	55
17	A simple shear deformation theory for thermo-mechanical behaviour of functionally graded sandwich plates on elastic foundations. <i>Journal of Sandwich Structures and Materials</i> , 2015, 17, 99-129.	3.5	52
18	On Generalized Magneto-thermoelastic Rayleigh Waves in a Granular Medium Under the Influence of a Gravity Field and Initial Stress. <i>JVC/Journal of Vibration and Control</i> , 2011, 17, 115-128.	2.6	47

#	ARTICLE	IF	CITATIONS
19	Dynamic deflection and contact force histories of graphene platelets reinforced conical shell integrated with magnetostrictive layers subjected to low-velocity impact. <i>Thin-Walled Structures</i> , 2021, 163, 107706.	5.3	46
20	Heuristic computational design of Morlet wavelet for solving the higher order singular nonlinear differential equations. <i>AEJ - Alexandria Engineering Journal</i> , 2021, 60, 5935-5947.	6.4	46
21	Effect of the rotation, magnetic field and initial stress on peristaltic motion of micropolar fluid. <i>Meccanica</i> , 2012, 47, 1455-1465.	2.0	40
22	On the Thermal Buckling Characteristics of Armchair Single-Walled Carbon Nanotube Embedded in an Elastic Medium Based on Nonlocal Continuum Elasticity. <i>Brazilian Journal of Physics</i> , 2015, 45, 225-233.	1.4	38
23	Propagation of S-wave in a non-homogeneous anisotropic incompressible and initially stressed medium under influence of gravity field. <i>Applied Mathematics and Computation</i> , 2011, 217, 4321-4332.	2.2	35
24	Influences of fiber reinforced polymer layer on the dynamic deflection of concrete pipes containing nanoparticle subjected to earthquake load. <i>Polymer Composites</i> , 2021, 42, 4073-4081.	4.6	34
25	Wave propagation modeling in cylindrical human long wet bones with cavity. <i>Meccanica</i> , 2011, 46, 1413-1428.	2.0	30
26	EFFECT OF THE ROTATION ON WAVE MOTION THROUGH CYLINDRICAL BORE IN A MICROPOLAR POROUS MEDIUM. <i>International Journal of Modern Physics B</i> , 2011, 25, 2713-2728.	2.0	29
27	Effect of the rotation on a non-homogeneous infinite cylinder of orthotropic material. <i>Applied Mathematics and Computation</i> , 2011, 217, 8914-8922.	2.2	27
28	On problem of transient coupled thermoelasticity of an annular fin. <i>Meccanica</i> , 2012, 47, 1295-1306.	2.0	27
29	Influence of rotation and generalized magneto-thermoelastic on Rayleigh waves in a granular medium under effect of initial stress and gravity field. <i>Meccanica</i> , 2012, 47, 1561-1579.	2.0	26
30	A new higher order shear and normal deformation theory for functionally graded beams. <i>Steel and Composite Structures</i> , 2015, 18, 793-809.	1.3	25
31	Predictive Modeling of Drug Response in Non-Hodgkin's Lymphoma. <i>PLoS ONE</i> , 2015, 10, e0129433.	2.5	24
32	Effect of Rotation and Magnetic Field through Porous Medium on Peristaltic Transport of a Jeffrey Fluid in Tube. <i>Mathematical Problems in Engineering</i> , 2011, 2011, 1-13.	1.1	23
33	On the problem of radial vibrations in non-homogeneity isotropic cylinder under influence of initial stress and magnetic field. <i>JVC/Journal of Vibration and Control</i> , 2013, 19, 1283-1293.	2.6	22
34	EFFECT OF THE ROTATION ON PLANE VIBRATIONS IN A TRANSVERSELY ISOTROPIC INFINITE HOLLOW CYLINDER. <i>International Journal of Modern Physics B</i> , 2011, 25, 3513-3528.	2.0	18
35	Influence of the Rotation and Gravity Field on Stonely Waves in a Non-Homogeneous Orthotropic Elastic Medium. <i>Journal of Computational and Theoretical Nanoscience</i> , 2013, 10, 297-305.	0.4	15
36	Radial Vibrations in a Non-Homogeneous Orthotropic Elastic Hollow Sphere Subjected to Rotation. <i>Journal of Computational and Theoretical Nanoscience</i> , 2013, 10, 455-463.	0.4	12

#	ARTICLE	IF	CITATIONS
37	Numerical Study of the Environmental and Economic System through the Computational Heuristic Based on Artificial Neural Networks. <i>Sensors</i> , 2021, 21, 6567.	3.8	7
38	Artificial Neural Networks to Solve the Singular Model with Neumann-Robin, Dirichlet and Neumann Boundary Conditions. <i>Sensors</i> , 2021, 21, 6498.	3.8	7
39	Soft Computing Paradigms to Find the Numerical Solutions of a Nonlinear Influenza Disease Model. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 8549.	2.5	6
40	Effect of the Magnetic Field, Initial Stress, Rotation, and Nonhomogeneity on Stresses in Orthotropic Material. <i>Physical Mesomechanics</i> , 2021, 24, 303-310.	1.9	2