M M Aghdam

List of Publications by Year
in descending order

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213 papers	7,239 citations	38738 50 h-index	88628 70 g-index
214 all docs	214 docs citations	214 times ranked	3070 citing authors

#	Article	IF	Citations
1	A comparative study of 1D nonlocal integral Timoshenko beam and 2D nonlocal integral elasticity theories for bending of nanoscale beams. Continuum Mechanics and Thermodynamics, 2023, 35, 1063-1085.	2.2	11
2	Vibrational behavior of temperature-dependent imperfect functionally graded plate lying on an elastic substrate. Mechanics Based Design of Structures and Machines, 2023, 51, 3868-3889.	4.7	8
3	Nonlinear forced vibrations of three-phase nanocomposite shells considering matrix rheological behavior and nano-fiber waviness. Engineering With Computers, 2023, 39, 557-574.	6.1	12
4	Microstructural properties of novel nanocomposite material based on hydroxyapatite and carbon nanotubes: fabrication and nonlinear instability simulation. Journal of Nanostructure in Chemistry, 2022, 12, 1-22.	9.1	12
5	Editorial to the Special Issue on Advanced Micro/Nanoscale Porous Materials for Novel Applications: Answering to Future Needs. Transport in Porous Media, 2022, 142, 1-4.	2.6	1
6	Tension Strain-Softening and Compression Strain-Stiffening Behavior of Brain White Matter. Annals of Biomedical Engineering, 2021, 49, 276-286.	2.5	24
7	Structural Anisotropy vs. Mechanical Anisotropy: The Contribution of Axonal Fibers to the Material Properties of Brain White Matter. Annals of Biomedical Engineering, 2021, 49, 991-999.	2.5	22
8	The importance of axonal directions in the brainstem injury during neurosurgical interventions. Injury, 2021, 52, 1271-1276.	1.7	4
9	Mind the gap: A mechanobiological hypothesis for the role of gap junctions in the mechanical properties of injured brain tissue. Journal of the Mechanical Behavior of Biomedical Materials, 2021, 115, 104240.	3.1	2
10	Numerical Investigation of Mechanical Behavior for Lattice Structure with Effect of Different Nanomaterial Types. IOP Conference Series: Materials Science and Engineering, 2021, 1094, 012172.	0.6	7
11	Advanced structural modeling of a fold in Origami/Kirigami inspired structures. Thin-Walled Structures, 2021, 161, 107406.	5.3	10
12	Fabrication and resonance simulation of 3D-printed biocomposite mesoporous implants with different periodic cellular topologies. Bioprinting, 2021, 22, e00138.	5.8	16
13	Semi-analytical solutions for buckling and free vibration of composite anisogrid lattice cylindrical panels. Composite Structures, 2021, 275, 114422.	5.8	11
14	Residual stresses in metal matrix composites. , 2021, , 247-278.		0
15	A generalized 2D BÃ©zier-based solution for stress analysis of notched epoxy resin plates reinforced with graphene nanoplatelets. Thin-Walled Structures, 2021, 169, 108484.	5.3	69
16	Calcium phosphate-PLA scaffolds fabricated by fused deposition modeling technique for bone tissue applications: Fabrication, characterization and simulation. Ceramics International, 2020, 46, 2447-2456.	4.8	84
17	Nonlinear primary resonance analysis of nanoshells including vibrational mode interactions based on the surface elasticity theory. Applied Mathematics and Mechanics (English Edition), 2020, 41, 233-260.	3.6	38
18	Effect of magnetite nanoparticles on the biological and mechanical properties of hydroxyapatite porous scaffolds coated with ibuprofen drug. Materials Science and Engineering C, 2020, 111, 110835.	7.3	57

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19	Molecular dynamics simulations of the effect of temperature and strain rate on mechanical properties of grapheneâ€“epoxy nanocomposites. Molecular Simulation, 2020, 46, 476-486.	2.0	48
20	Development of porous implants with non-uniform mechanical properties distribution based on CT images. Applied Mathematical Modelling, 2020, 83, 801-823.	4.2	12
21	Microstructural characterization of YSZ-CoNiCrAlY two-layered thermal barrier coating formed on Î³-TiAl intermetallic alloy via APS process. Intermetallics, 2020, 118, 106704.	3.9	7
22	A knowledge map analysis of brain biomechanics: Current evidence and future directions. Clinical Biomechanics, 2020, 75, 105000.	1.2	7
23	Micromechanical Modeling of Gelatin-Based Nano-Composite Bone Scaffolds. , 2020, , .		0
24	Nonlocal electrothermomechanical instability of temperature-dependent FGM nanopanels with piezoelectric facesheets. Iranian Journal of Science and Technology - Transactions of Mechanical Engineering, 2019, 43, 579-593.	1.3	19
25	Improvement of high-temperature oxidation resistance of Î³-TiAl intermetallic alloy by YSZ-NiCoCrAlY coating using APS process. Materials Research Express, 2019, 6, 126541.	1.6	3
26	A robust BÃ©zier based solution for nonlinear vibration and post-buckling of random checkerboard graphene nano-platelets reinforced composite beams. Composite Structures, 2019, 212, 184-198.	5.8	104
27	Size-Dependent Nonlinear Mechanics of Biological Nanoporous Microbeams. Advanced Structured Materials, 2019, , 181-207.	0.5	8
28	Influence of MgO nanoparticles on the mechanical properties of coated hydroxyapatite nanocomposite scaffolds produced via space holder technique: Fabrication, characterization and simulation. Journal of the Mechanical Behavior of Biomedical Materials, 2019, 95, 76-88.	3.1	70
29	An efficient solver for fully coupled solution of interaction between incompressible fluid flow and nanocomposite truncated conical shells. Computer Methods in Applied Mechanics and Engineering, 2019, 351, 478-500.	6.6	19
30	Nonlinear secondary resonance of nanobeams under subharmonic and superharmonic excitations including surface free energy effects. Applied Mathematical Modelling, 2019, 66, 195-226.	4.2	72
31	Size-dependent nonlinear secondary resonance of micro-/nano-beams made of nano-porous biomaterials including truncated cube cells. Acta Mechanica, 2019, 230, 1077-1103.	2.1	35
32	Numerical and experimental analysis of the closed-cell aluminium foam under low velocity impact using computerized tomography technique. Acta Mechanica Sinica/Lixue Xuebao, 2019, 35, 144-155.	3.4	7
33	Effect of copper oxide nanoparticles on electrical conductivity and cell viability of calcium phosphate scaffolds with improved mechanical strength for bone tissue engineering. European Physical Journal Plus, 2019, 134, 1.	2.6	60
34	Nonlinear bending analysis of FG-CNTRC annular plates with variable thickness on elastic foundation. Thin-Walled Structures, 2019, 135, 453-462.	5.3	61
35	Nonlinear resonance investigation of nanoclay based bio-nanocomposite scaffolds with enhanced properties for bone substitute applications. Journal of Alloys and Compounds, 2019, 773, 636-653.	5.5	34
36	A New Multistep Technique Based on the Nonuniform Rational Basis Spline Curves for Nonlinear Transient Heat Transfer Analysis of Functionally Graded Truncated Cone. Heat Transfer Engineering, 2019, 40, 588-603.	1.9	6

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37	Nonlinear bending and instability analysis of bioceramics composed with magnetite nanoparticles: Fabrication, characterization, and simulation. Ceramics International, 2018, 44, 9540-9549.	4.8	42
38	A unified nonlocal strain gradient plate model for nonlinear axial instability of functionally graded porous micro/nano-plates reinforced with graphene platelets. Materials Research Express, 2018, 5, 045048.	1.6	89
39	Implementing General Power Law to Interconvert Linear Viscoelastic Functions of Modified Asphalt Binders. Journal of Transportation Engineering Part B: Pavements, 2018, 144, 04018010.	1.5	18
40	A Semi-analytical Solution for Bending of Nonlinear Magnetostrictive Beams. , 2018, , 333-344.		1
41	Nonlinear Size-Dependent Instability of Hybrid FGM Nanoshells. , 2018, , 107-143.		6
42	Nonlinear primary resonance of micro/nano-beams made of nanoporous biomaterials incorporating nonlocality and strain gradient size dependency. Results in Physics, 2018, 8, 879-892.	4.1	48
43	Vibrations of beam-type implants made of 3D printed bredigite-magnetite bio-nanocomposite scaffolds under axial compression: Application, communication and simulation. Ceramics International, 2018, 44, 11282-11291.	4.8	59
44	Free vibration of thin functionally graded viscoelastic open-cell foam plates on orthotropic visco-Pasternak medium. Composite Structures, 2018, 193, 42-52.	5.8	14
45	Comparison of elastic properties of openâ€cell metallic biomaterials with different unit cell types. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2018, 106, 386-398.	3.4	33
46	Boundary Layer Modeling of Nonlinear Axial Buckling Behavior of Functionally Graded Cylindrical Nanoshells Based on the Surface Elasticity Theory. Iranian Journal of Science and Technology - Transactions of Mechanical Engineering, 2018, 42, 229-245.	1.3	26
47	Nonlinear instability of hydrostatic pressurized microtubules surrounded by cytoplasm of a living cell including nonlocality and strain gradient microsize dependency. Acta Mechanica, 2018, 229, 403-420.	2.1	35
48	Nonlocal strain gradient shell model for axial buckling and postbuckling analysis of magneto-electro-elastic composite nanoshells. Composites Part B: Engineering, 2018, 132, 258-274.	12.0	97
49	Nonlinear bending of functionally graded porous micro/nano-beams reinforced with graphene platelets based upon nonlocal strain gradient theory. Composite Structures, 2018, 186, 68-78.	5.8	233
50	Nonlocal strain gradient beam model for postbuckling and associated vibrational response of lipid supramolecular protein micro/nano-tubules. Mathematical Biosciences, 2018, 295, 24-35.	1.9	65
51	Response of VSCL plates under moving load using a mixed integral-differential quadrature and novel NURBS based multi-step method. Composites Part B: Engineering, 2018, 140, 260-280.	12.0	14
52	Thermo-electro-radial coupling nonlinear instability of piezoelectric shear deformable nanoshells via nonlocal elasticity theory. Microsystem Technologies, 2018, 24, 1333-1346.	2.0	24
53	Nonlinear Resonance Response of Porous Beam-Type Implants Corresponding to Various Morphology Shapes for Bone Tissue Engineering Applications. Journal of Materials Engineering and Performance, 2018, 27, 5370-5383.	2.5	23
54	Nonlocal strain gradient plate model for nonlinear large-amplitude vibrations of functionally graded porous micro/nano-plates reinforced with GPLs. Composite Structures, 2018, 198, 51-62.	5.8	163

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55	Multiscale modeling of fatigue crack propagation in additively manufactured porous biomaterials. International Journal of Fatigue, 2018, 113, 416-427.	5.7	38
56	Mechanical and biological performance of axially loaded novel bio-nanocomposite sandwich plate-type implant coated by biological polymer thin film. Journal of the Mechanical Behavior of Biomedical Materials, 2018, 88, 238-250.	3.1	57
57	Analytical and experimental analyses for mechanical and biological characteristics of novel nanoclay bio-nanocomposite scaffolds fabricated via space holder technique. Applied Clay Science, 2018, 165, 112-123.	5.2	65
58	Passive vibration control of plate structures using shape memory alloy ribbons. JVC/Journal of Vibration and Control, 2017, 23, 69-88.	2.6	12
59	Hybrid material and foundation damping of Timoshenko beams. JVC/Journal of Vibration and Control, 2017, 23, 2869-2887.	2.6	9
60	Effects of manufacturing environments on the residual stresses in a SiC/Ti metal-matrix composite. Science and Engineering of Composite Materials, 2017, 24, 817-824.	1.4	7
61	Surface free energy effects on the postbuckling behavior of cylindrical shear deformable nanoshells under combined axial and radial compressions. Meccanica, 2017, 52, 1329-1352.	2.0	27
62	Application of refined beam elements to the coupled-field analysis of magnetostrictive microbeams. Composites Part B: Engineering, 2017, 115, 14-20.	12.0	12
63	Temperature-dependent nonlocal instability of hybrid FGM exponential shear deformable nanoshells including imperfection sensitivity. International Journal of Mechanical Sciences, 2017, 122, 129-142.	6.7	66
64	Micromechanical modeling of rate-dependent behavior of Connective tissues. Journal of Theoretical Biology, 2017, 416, 119-128.	1.7	8
65	Size dependency in axial postbuckling behavior of hybrid FGM exponential shear deformable nanoshells based on the nonlocal elasticity theory. Composite Structures, 2017, 166, 104-113.	5.8	66
66	Imperfection sensitivity of the size-dependent postbuckling response of pressurized FGM nanoshells in thermal environments. Archives of Civil and Mechanical Engineering, 2017, 17, 623-638.	3.8	62
67	Nonlinear buckling and postbuckling behavior of cylindrical shear deformable nanoshells subjected to radial compression including surface free energy effects. Acta Mechanica Solida Sinica, 2017, 30, 209-222.	1.9	23
68	Mechanical behavior of unidirectional SiC/Ti composites subjected to off-axis loading at elevated temperatures. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 688, 244-249.	5.6	6
69	Geometrical nonlinear free vibration responses of FG-CNT reinforced composite annular sector plates integrated with piezoelectric layers. Composite Structures, 2017, 171, 100-112.	5.8	96
70	Nonlinear instability of hydrostatic pressurized hybrid FGM exponential shear deformable nanoshells based on nonlocal continuum elasticity. Composites Part B: Engineering, 2017, 114, 404-417.	12.0	64
71	Analytical relationships for the mechanical properties of additively manufactured porous biomaterials based on octahedral unit cells. Applied Mathematical Modelling, 2017, 46, 408-422.	4.2	72
72	Imperfection sensitivity of the nonlinear axial buckling behavior of FGM nanoshells in thermal environments based on surface elasticity theory. International Journal of Computational Materials Science and Engineering, 2017, 06, 1750003.	0.7	0

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73	Size-dependent axial instability of microtubules surrounded by cytoplasm of a living cell based on nonlocal strain gradient elasticity theory. Journal of Theoretical Biology, 2017, 422, 59-71.	1.7	69
74	A coupled integralâ€“differential quadrature and B-spline-based multi-step technique for transient analysis of VSCL plates. Acta Mechanica, 2017, 228, 2965-2986.	2.1	19
75	On the micro-mechanical study of 1â€“3 type piezoelectric composites with semi-coupled thermo-electro-elastic effects. Meccanica, 2017, 52, 3693-3711.	2.0	2
76	Free damped vibration analysis of Mindlin plates with hybrid material-foundation viscoelasticity. International Journal of Mechanical Sciences, 2017, 121, 33-43.	6.7	17
77	Rate-dependent behavior of connective tissue through a micromechanics-based hyper viscoelastic model. International Journal of Engineering Science, 2017, 121, 91-107.	5.0	14
78	Nonlinear vibrations of pre- and post-buckled lipid supramolecular micro/nano-tubules via nonlocal strain gradient elasticity theory. Journal of Biomechanics, 2017, 65, 49-60.	2.1	72
79	Size-dependent nonlinear bending of micro/nano-beams made of nanoporous biomaterials including a refined truncated cube cell. Physics Letters, Section A: General, Atomic and Solid State Physics, 2017, 381, 3818-3830.	2.1	67
80	An efficient size-dependent shear deformable shell model and molecular dynamics simulation for axial instability analysis of silicon nanoshells. Journal of Molecular Graphics and Modelling, 2017, 77, 263-279.	2.4	36
81	Free vibration analysis of thick viscoelastic composite plates on visco-Pasternak foundation using higher-order theory. Composite Structures, 2017, 182, 25-35.	5.8	50
82	Nonlocal strain gradient beam model for nonlinear vibration of prebuckled and postbuckled multilayer functionally graded GPLRC nanobeams. Composite Structures, 2017, 179, 77-88.	5.8	105
83	Axial postbuckling analysis of multilayer functionally graded composite nanoplates reinforced with GPLs based on nonlocal strain gradient theory. European Physical Journal Plus, 2017, 132, 1.	2.6	60
84	A nonlocal strain gradient hyperbolic shear deformable shell model for radial postbuckling analysis of functionally graded multilayer GPLRC nanoshells. Composite Structures, 2017, 178, 97-109.	5.8	93
85	Nonlinear instability of axially loaded functionally graded multilayer graphene platelet-reinforced nanoshells based on nonlocal strain gradient elasticity theory. International Journal of Mechanical Sciences, 2017, 131-132, 95-106.	6.7	129
86	How does tissue regeneration influence the mechanical behavior of additively manufactured porous biomaterials?. Journal of the Mechanical Behavior of Biomedical Materials, 2017, 65, 831-841.	3.1	64
87	Microâ€“macro analysis of closed-cell aluminum foam with crushing behavior subjected to dynamic loadings. Materials Today Communications, 2017, 13, 170-177.	1.9	18
88	Mechanical Properties of Additively Manufactured Thick Honeycombs. Materials, 2016, 9, 613.	2.9	73
89	Size-dependent buckling and postbuckling behavior of piezoelectric cylindrical nanoshells subjected to compression and electrical load. Materials and Design, 2016, 105, 341-351.	7.0	63
90	A novel hybrid BÃ©zier based multi-step and differential quadrature method for analysis of rotating FG conical shells under thermal shock. Composites Part B: Engineering, 2016, 97, 120-140.	12.0	22

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91	A hybrid BÃ©zier based multi-step method and differential quadrature for 3D transient response of variable stiffness composite plates. Composite Structures, 2016, 154, 344-359.	5.8	24
92	Mechanical properties of additively manufactured octagonal honeycombs. Materials Science and Engineering C, 2016, 69, 1307-1317.	7.3	51
93	Nonlinear Forced Vibration of Nanobeams. , 2016, , 243-262.		4
94	Analytical Solutions for Generalized Duffing Equation. , 2016, , 263-278.		0
95	Enhanced thermal buckling of laminated composite cylindrical shells with shape memory alloy. Journal of Composite Materials, 2016, 50, 243-256.	2.4	44
96	Size-dependent axial buckling and postbuckling characteristics of cylindrical nanoshells in different temperatures. International Journal of Mechanical Sciences, 2016, 107, 170-179.	6.7	40
97	Computational prediction of the fatigue behavior of additively manufactured porous metallic biomaterials. International Journal of Fatigue, 2016, 84, 67-79.	5.7	105
98	Mechanical behavior of additively manufactured porous biomaterials made from truncated cuboctahedron unit cells. International Journal of Mechanical Sciences, 2016, 106, 19-38.	6.7	77
99	Surface stress effects on the nonlinear postbuckling characteristics of geometrically imperfect cylindrical nanoshells subjected to axial compression. International Journal of Engineering Science, 2016, 99, 92-106.	5.0	50
100	Transient analysis of rotating functionally graded truncated conical shells based on the Lordâ€“Shulman model. Thin-Walled Structures, 2016, 104, 168-184.	5.3	29
101	Design and modeling of a novel translational and angular micro-electromechanical accelerometer. Aerospace Science and Technology, 2016, 50, 15-24.	4.8	6
102	Micromechanics and constitutive modeling of connective soft tissues. Journal of the Mechanical Behavior of Biomedical Materials, 2016, 60, 157-176.	3.1	10
103	Mechanical properties of regular porous biomaterials made from truncated cube repeating unit cells: Analytical solutions and computational models. Materials Science and Engineering C, 2016, 60, 163-183.	7.3	108
104	Effect of mass multiple counting on the elastic properties of open-cell regular porous biomaterials. Materials and Design, 2016, 89, 9-20.	7.0	50
105	Surface stress effects on the nonlinear postbuckling characteristics of geometrically imperfect cylindrical nanoshells subjected to torsional load. Composites Part B: Engineering, 2016, 84, 140-154.	12.0	23
106	Modeling and analysis of reversible shape memory adaptive panels. Journal of Intelligent Material Systems and Structures, 2016, 27, 1624-1649.	2.5	3
107	Mechanics of additively manufactured porous biomaterials based on the rhombicuboctahedron unit cell. Journal of the Mechanical Behavior of Biomedical Materials, 2016, 53, 272-294.	3.1	81
108	Micromechanics of shape memory alloy fiberâ€“reinforced composites subjected to multi-axial non-proportional loadings. Journal of Intelligent Material Systems and Structures, 2015, 26, 2431-2445.	2.5	6

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109	Enhanced thermal stability of functionally graded sandwich cylindrical shells by shape memory alloys. Smart Materials and Structures, 2015, 24, 045022.	3.5	26
110	Simulation of interface damage in metal matrix composites under off-axis loading using cohesive zone model. Computational Materials Science, 2015, 108, 42-47.	3.0	13
111	Microâ€“macro thermo-mechanical analysis of axisymmetric shape memory alloy composite cylinders. Composite Structures, 2015, 131, 1001-1016.	5.8	1
112	Surface stress effects on the postbuckling behavior of geometrically imperfect cylindrical nanoshells subjected to combined axial and radial compressions. International Journal of Mechanical Sciences, 2015, 100, 1-22.	6.7	30
113	Nonlinear buckling and postbuckling behavior of cylindrical nanoshells subjected to combined axial and radial compressions incorporating surface stress effects. Composites Part B: Engineering, 2015, 79, 676-691.	12.0	23
114	A micromechanical study on the electro-elastic behavior of piezoelectric fiber-reinforced composites using the element-free Galerkin method. Acta Mechanica, 2015, 226, 3177-3194.	2.1	9
115	On the postbuckling behavior of geometrically imperfect cylindrical nanoshells subjected to radial compression including surface stress effects. Composite Structures, 2015, 131, 414-424.	5.8	21
116	Postbuckling behavior of circular higher-order shear deformable nanoplates including surface energy effects. Applied Mathematical Modelling, 2015, 39, 3678-3689.	4.2	25
117	On the free vibration characteristics of postbuckled third-order shear deformable FGM nanobeams including surface effects. Composite Structures, 2015, 121, 377-385.	5.8	74
118	Nonlinear dynamics of SMA-fiber-reinforced composite beams subjected to a primary/secondary-resonance excitation. Acta Mechanica, 2015, 226, 437-455.	2.1	41
119	A semi analytical approach for large amplitude free vibration and buckling of nonlocal FG beams resting on elastic foundation. Composite Structures, 2015, 119, 452-462.	5.8	117
120	Micro-mechanics of composite with SMA fibers embedded in metallic/polymeric matrix under off-axial loadings. European Journal of Mechanics, A/Solids, 2015, 49, 467-480.	3.7	17
121	Thermo-mechanical behavior of shape adaptive composite plates with surface-bonded shape memory alloy ribbons. Composite Structures, 2015, 119, 115-133.	5.8	41
122	Accurate damping analysis of viscoelastic composite beams and plates on suppressive foundation. Journal of Composite Materials, 2015, 49, 2187-2202.	2.4	12
123	Nonlinear Initial Value Ordinary Differential Equations. , 2015, , 117-136.		8
124	A simple and efficient 1-D macroscopic model for shape memory alloys considering ferro-elasticity effect. Smart Structures and Systems, 2015, 16, 641-665.	1.9	0
125	Exact solution for nonlinear thermal stability of hybrid laminated composite Timoshenko beams reinforced with SMA fibers. Composite Structures, 2014, 108, 811-822.	5.8	58
126	Active shape/stress control of shape memory alloy laminated beams. Composites Part B: Engineering, 2014, 56, 889-899.	12.0	30

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127	Geometrically non-linear transient thermo-elastic response of FG beams integrated with a pair of FG piezoelectric sensors. Composite Structures, 2014, 107, 48-59.	5.8	38
128	Effects of Interphase Damage and Residual Stresses on Mechanical Behavior of Particle Reinforced Metal-Matrix Composites. Applied Composite Materials, 2014, 21, 429-440.	2.5	14
129	Free vibration of functionally graded truncated conical shells under internal pressure. Meccanica, 2014, 49, 267-282.	2.0	44
130	On the vibration control capability of shape memory alloy composite beams. Composite Structures, 2014, 110, 325-334.	5.8	45
131	Large amplitude vibration and post-buckling analysis of variable cross-section composite beams on nonlinear elastic foundation. International Journal of Mechanical Sciences, 2014, 79, 47-55.	6.7	40
132	Effect of nonlinear elastic foundation on large amplitude free and forced vibration of functionally graded beam. Composite Structures, 2014, 115, 60-68.	5.8	56
133	Effects of manufacturing parameters on residual stresses in SiC/Ti composites by an elasticâ€“viscoplastic micromechanical model. Computational Materials Science, 2014, 91, 62-67.	3.0	20
134	On the difference of pressure readings from the numerical, experimental and theoretical results in different bird strike studies. Aerospace Science and Technology, 2014, 32, 260-266.	4.8	36
135	Understanding residual stresses in metal matrix composites. , 2014, , 233-255.		1
136	Shape control of shape memory alloy composite beams in the post-buckling regime. Aerospace Science and Technology, 2014, 39, 575-587.	4.8	10
137	Free vibration of FGM LÃ©vy conical panels. Composite Structures, 2014, 116, 732-746.	5.8	64
138	Surface effects on the nonlinear forced vibration response of third-order shear deformable nanobeams. Composite Structures, 2014, 118, 149-158.	5.8	65
139	Free vibration analysis of rotating functionally graded carbon nanotube-reinforced composite truncated conical shells. Composite Structures, 2014, 117, 187-200.	5.8	165
140	On the transient response of viscoelastic beams and plates on viscoelastic medium. International Journal of Mechanical Sciences, 2014, 83, 133-145.	6.7	30
141	Vibration analysis of axially moving line supported functionally graded plates with temperature-dependent properties. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2014, 228, 953-969.	2.1	24
142	A robust three-dimensional phenomenological model for polycrystalline SMAs: Analytical closed-form solutions. International Journal of Engineering Science, 2014, 82, 1-21.	5.0	17
143	Nonlinear bending of functionally graded tapered beams subjected to thermal and mechanical loading. International Journal of Non-Linear Mechanics, 2014, 65, 141-147.	2.6	44
144	Damage initiation and collapse behavior of unidirectional metal matrix composites at elevated temperatures. Computational Materials Science, 2013, 79, 402-407.	3.0	11

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145	Free vibration analysis of Mindlin plates partially resting on Pasternak foundation. International Journal of Mechanical Sciences, 2013, 75, 1-7.	6.7	36
146	An analytical approach for nonlinear vibration and thermal stability of shape memory alloy hybrid laminated composite beams. European Journal of Mechanics, A/Solids, 2013, 42, 454-468.	3.7	58
147	Free transverse vibration analysis of thin rectangular plates locally suspended on elastic beam. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2013, 227, 1515-1524.	2.1	5
148	A phenomenological SMA model for combined axialâ€“torsional proportional/non-proportional loading conditions. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2013, 587, 12-26.	5.6	29
149	On the free vibration of thermally pre/post-buckled shear deformable SMA hybrid composite beams. Aerospace Science and Technology, 2013, 31, 73-86.	4.8	47
150	Active control of geometrically non-linear transient response of sandwich beams with a flexible core using piezoelectric patches. Composite Structures, 2013, 100, 517-531.	5.8	28
151	Free vibration analysis of moderately thick functionally graded plates on elastic foundation using the extended Kantorovich method. Archive of Applied Mechanics, 2013, 83, 177-191.	2.2	52
152	A new finite element model for low-velocity impact analysis of sandwich beams subjected to multiple projectiles. Composite Structures, 2013, 104, 21-33.	5.8	13
153	Seam pucker rating by deconvolution residual method. International Journal of Clothing Science and Technology, 2013, 25, 150-170.	1.1	5
154	Micromechanical analysis of unidirectional composites using a least-squares-based differential quadrature element method. Journal of Mechanics of Materials and Structures, 2012, 7, 119-135.	0.6	0
155	Extended Kantorovich method for static analysis of moderately thick functionally graded sector plates. Mathematics and Computers in Simulation, 2012, 86, 118-130.	4.4	39
156	A micromechanics based analysis of hollow fiber composites using DQEM. Composites Part B: Engineering, 2012, 43, 2921-2929.	12.0	14
157	Non-linear active control of FG beams in thermal environments subjected to blast loads with integrated FGP sensor/actuator layers. Composite Structures, 2012, 94, 3612-3623.	5.8	31
158	Thermo-mechanical buckling and nonlinear free vibration analysis of functionally graded beams on nonlinear elastic foundation. Composites Part B: Engineering, 2012, 43, 1523-1530.	12.0	116
159	Global optimization of laminated cylindrical panels based on fundamental natural frequency. Composite Structures, 2012, 94, 2697-2705.	5.8	21
160	A micromechanics-based analysis of effects of square and hexagonal fiber arrays in fibrous composites using DQEM. European Journal of Mechanics, A/Solids, 2012, 32, 32-40.	3.7	15
161	Free vibration analysis of moderately thick trapezoidal symmetrically laminated plates with various combinations of boundary conditions. European Journal of Mechanics, A/Solids, 2012, 36, 204-212.	3.7	33
162	Heat transfer in composite materials using a new truly local meshless method. International Journal of Numerical Methods for Heat and Fluid Flow, 2011, 21, 293-309.	2.8	8

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163	Damage analysis of fiber reinforced Ti-alloy subjected to multi-axial loadingâ€"A micromechanical approach. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2011, 528, 7983-7990.	5.6	40
164	Polygonal shape reconstruction in the plane. IET Computer Vision, 2011, 5, 97.	2.0	15
165	A truly generalized plane strain meshless method for combined normal and shear loading of fibrous composites. Engineering Analysis With Boundary Elements, 2011, 35, 395-403.	3.7	9
166	Static analysis of rectangular thick plates resting on two-parameter elastic boundary strips. European Journal of Mechanics, A/Solids, 2011, 30, 442-448.	3.7	10
167	Nonlinear free vibration and post-buckling analysis of functionally graded beams on nonlinear elastic foundation. European Journal of Mechanics, A/Solids, 2011, 30, 571-583.	3.7	162
168	Bending analysis of moderately thick functionally graded conical panels. Composite Structures, 2011, 93, 1376-1384.	5.8	29
169	Bending analysis of moderately thick laminated conical panels with various boundary conditions. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2011, 225, 1291-1300.	2.1	9
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