Quan Wang

List of Publications by Year
in descending order

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272	14,382	15503 65	26610 107
papers	citations	h-index	g-index

274	274	274	8833
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An investigation on a cylinder harvester made of piezoelectric coupled torsional beams. Energy Conversion and Management, 2022, 251, 114857.	9.2	5
2	Sustainable municipal solid waste incineration fly ash (MSWIFA) alkali-activated materials in construction: Fabrication and performance. Nanotechnologies in Construction, 2022, 14, 43-52.	0.3	5
3	High-Porosity Foam-Based Iontronic Pressure Sensor with Superhigh Sensitivity of 9280ÂkPaâ¯1. Nano-Micro Letters, 2022, 14, 21.	27.0	72
4	Gelation of highly entangled hydrophobic macromolecular fluid for ultrastrong underwater in situ fast tissue adhesion. Science Advances, 2022, 8, .	10.3	31
5	A rain energy harvester using a self-release tank. Mechanical Systems and Signal Processing, 2021, 147, 107099.	8.0	30
6	Experimental investigation of underwater locally multi-resonant metamaterials under high hydrostatic pressure for low frequency sound absorption. Applied Acoustics, 2021, 172, 107605.	3.3	43
7	A study on effects of stoneâ€“throwerâ€“wales defective carbon nanotubes on glass transition temperature of polymer composites using molecular dynamics simulations. Computational Materials Science, 2021, 186, 110005.	3.0	9
8	Bladeless rotational piezoelectric energy harvester for hydroelectric applications of ultra-low and wide-range flow rates. Energy Conversion and Management, 2021, 227, 113619.	9.2	15
9	Hand-held piezoelectric energy harvesting structure: Design, dynamic analysis, and experimental validation. Measurement: Journal of the International Measurement Confederation, 2021, 174, 109011.	5.0	19
10	Review on engineering structural designs for efficient piezoelectric energy harvesting to obtain high power output. Engineering Structures, 2021, 235, 112068.	5.3	77
11	Load path-guided fiber trajectory in composite panels: A comparative study and a novel combined method. Composite Structures, 2021, 263, 113689.	5.8	10
12	Cement-Based Piezoelectric Ceramic Composites for Sensing Elements: A Comprehensive State-of-the-Art Review. Sensors, 2021, 21, 3230.	3.8	19
13	Interplay between internal resonance and nonlinear magnetic interaction for multi-directional energy harvesting. Energy Conversion and Management, 2021, 244, 114465.	9.2	24
14	Role of carbon nanotube in reinforcing cementitious materials: An experimental and coarse-grained molecular dynamics study. Cement and Concrete Research, 2021, 147, 106517.	11.0	42
15	Influence of hydration capacity for cement matrix on the piezoelectric properties and microstructure of cement-based piezoelectric ceramic composites. Materials Characterization, 2021, 179, 111390.	4.4	14
16	Self-powered and plant-wearable hydrogel as LED power supply and sensor for promoting and monitoring plant growth in smart farming. Chemical Engineering Journal, 2021, 422, 129499.	12.7	46
17	Piezoelectric properties and microstructure of ceramicrete-based piezoelectric composites. Ceramics International, 2021, 47, 29681-29687.	4.8	12
18	Experimental Study on Hydroelectric Energy Harvester Based on a Hybrid Qiqi and Turbine Structure. Energies, 2021, 14, 7601.	3.1	5

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19	Modeling the behavior of bilayer shape memory alloy/functionally graded material beams considering asymmetric shape memory alloy response. Journal of Intelligent Material Systems and Structures, 2020, 31, 84-99.	2.5	7
20	Deep residual U-net with input of static structural responses for efficient U* load transfer path analysis. Advanced Engineering Informatics, 2020, 46, 101184.	8.0	10
21	Performance analysis of piezoelectric energy harvesters with a tip mass and nonlinearities of geometry and damping under parametric and external excitations. Archive of Applied Mechanics, 2020, 90, 2297-2318.	2.2	12
22	Smallâ€scale experimental study on the optimisation of a rooftop rainwater energy harvester using electromagnetic generators in light rains. International Journal of Energy Research, 2020, 44, 10778-10796.	4.5	10
23	Protein Gel Phase Transition: Toward Superiorly Transparent and Hysteresisâ€Free Wearable Electronics. Advanced Functional Materials, 2020, 30, 1910080.	14.9	30
24	Development of a unified model to predict the axial stressâ€“strain behavior of recycled aggregate concrete confined through spiral reinforcement. Engineering Structures, 2020, 218, 110851.	5.3	42
25	Highly Transparent and Flexible Iontronic Pressure Sensors Based on an Opaque to Transparent Transition. Advanced Science, 2020, 7, 2000348.	11.2	121
26	Frequency Comparison Function Method for Real-Time Identification of Breathing Crack at Welding Joint. International Journal of Structural Stability and Dynamics, 2020, 20, 2041001.	2.4	1
27	Transparent Protein Hydrogels: Protein Gel Phase Transition: Toward Superiorly Transparent and Hysteresisâ€Free Wearable Electronics (Adv. Funct. Mater. 27/2020). Advanced Functional Materials, 2020, 30, 2070176.	14.9	1
28	Large amplitude vibration of functionally graded graphene nanocomposite annular plates in thermal environments. Composite Structures, 2020, 239, 112047.	5.8	67
29	Novel Damage Detection Tool Based on Load Path Analysis Using Ustar (U*). IEEE Access, 2020, 8, 82607-82616.	4.2	6
30	A piezoelectric hydro-energy harvester featuring a special container structure. Energy, 2019, 189, 116261.	8.8	23
31	2D underwater acoustic metamaterials incorporating a combination of particle-filled polyurethane and spiral-based local resonance mechanisms. Composite Structures, 2019, 220, 1-10.	5.8	44
32	Ionic liquidâ€“activated wearable electronics. Materials Today Physics, 2019, 8, 78-85.	6.0	47
33	Vortex-induced vibrational tristable energy harvester: Design and experiments. IOP Conference Series: Materials Science and Engineering, 2019, 531, 012011.	0.6	5
34	A review on enhancement of mechanical and tribological properties of polymer composites reinforced by carbon nanotubes and graphene sheet: Molecular dynamics simulations. Composites Part B: Engineering, 2019, 160, 348-361.	12.0	168
35	A Novel Heaving Ocean Wave Energy Harvester with a Frequency Tuning Capability. Arabian Journal for Science and Engineering, 2019, 44, 5711-5722.	3.0	11
36	A noise-robust damage indicator for characterizing singularity of mode shapes for incipient delamination identification in CFRP laminates. Mechanical Systems and Signal Processing, 2019, 121, 183-200.	8.0	18

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37	Elastic wave manipulation in piezoelectric beam meta-structure using electronic negative capacitance dual-adjacent/staggered connections. Composite Structures, 2019, 210, 567-580.	5.8	18
38	Free Vibration Analysis of a Nonlinearly Tapered Cone Beam by Adomian Decomposition Method. International Journal of Structural Stability and Dynamics, 2018, 18, 1850101.	2.4	23
39	Enhancement of fracture properties of polymer composites reinforced by carbon nanotubes: A molecular dynamics study. Carbon, 2018, 129, 504-509.	10.3	71
40	Development of an ocean wave energy harvester with a built-in frequency conversion function. International Journal of Energy Research, 2018, 42, 684-695.	4.5	16
41	A comparison study on mechanical properties of polymer composites reinforced by carbon nanotubes and graphene sheet. Composites Part B: Engineering, 2018, 133, 35-41.	12.0	146
42	On the snap-through instability of post-buckled FG-CNTRC rectangular plates with integrated piezoelectric layers. Computer Methods in Applied Mechanics and Engineering, 2018, 331, 53-71.	6.6	42
43	Snubbing effect in atomic scale friction of graphene. Composites Part B: Engineering, 2018, 136, 119-125.	12.0	3
44	Vibration analysis of non-uniform tapered beams with nonlinear FGM properties. Journal of Mechanical Science and Technology, 2018, 32, 5325-5337.	1.5	15
45	Supercapacitor with extraordinary cycling stability and high rate from nano-architectured polyaniline/graphene on Janus nanofibrous film with shape memory. Journal of Materials Chemistry A, 2018, 6, 21064-21077.	10.3	61
46	A new nonlinearly tapered FGM piezoelectric energy harvester. Engineering Structures, 2018, 173, 52-60.	5.3	34
47	Ocean wave energy pitching harvester with a frequency tuning capability. Energy, 2018, 162, 603-617.	8.8	49
48	Molecular Dynamics Simulations of Thermal Properties of Polymer Composites Enhanced by Cross-Linked Graphene Sheets. Acta Mechanica Solida Sinica, 2018, 31, 673-682.	1.9	8
49	Nonlocal magneto-thermo-vibro-elastic analysis of vertically aligned arrays of single-walled carbon nanotubes. European Journal of Mechanics, A/Solids, 2018, 72, 497-515.	3.7	11
50	Crack identification through scan-tuning of vibration characteristics using piezoelectric materials. Smart Materials and Structures, 2017, 26, 025005.	3.5	11
51	An octo-generator for energy harvesting based on the piezoelectric effect. Applied Ocean Research, 2017, 64, 128-134.	4.1	19
52	An efficient piezoelectric energy harvester with frequency self-tuning. Journal of Sound and Vibration, 2017, 396, 69-82.	3.9	43
53	A numerical study on flow-induced instabilities of supersonic FG-CNT reinforced composite flat panels in thermal environments. Composite Structures, 2017, 171, 113-125.	5.8	55
54	A theoretical model for a piezoelectric energy harvester with a tapered shape. Engineering Structures, 2017, 144, 19-25.	5.3	48

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55	Skinâ€inspired Multifunctional Autonomicâ€Intrinsic Conductive Selfâ€Healing Hydrogels with Pressure Sensitivity, Stretchability, and 3D Printability. Advanced Materials, 2017, 29, 1700533.	21.0	557
56	Enhanced tribological properties of polymer composites by incorporation of nano-SiO 2 particles: A molecular dynamics simulation study. Computational Materials Science, 2017, 134, 93-99.	3.0	51
57	Polyaniline nanoflowers grown on vibration-isolator-mimetic polyurethane nanofibers for flexible supercapacitors with prolonged cycle life. Journal of Materials Chemistry A, 2017, 5, 7933-7943.	10.3	45
58	Enhancement of tribological properties of polymer composites reinforced by functionalized graphene. Composites Part B: Engineering, 2017, 120, 83-91.	12.0	91
59	Dynamic stability analysis of a pressurized FG-CNTRC cylindrical shell interacting with supersonic airflow. Composites Part B: Engineering, 2017, 118, 15-25.	12.0	67
60	Energy harvesting from wind by a piezoelectric harvester. Engineering Structures, 2017, 133, 74-80.	5.3	85
61	Reinforcing mechanism of graphene at atomic level: Friction, crack surface adhesion and 2D geometry. Carbon, 2017, 114, 557-565.	10.3	78
62	Large amplitude vibration of FG-CNT reinforced composite annular plates with integrated piezoelectric layers on elastic foundation. Thin-Walled Structures, 2017, 120, 203-214.	5.3	70
63	A study on an ocean wave energy harvester made of a composite piezoelectric buoy structure. Composite Structures, 2017, 178, 447-454.	5.8	26
64	Postbuckling analysis of smart FG-CNTRC annular sector plates with surface-bonded piezoelectric layers using generalized differential quadrature method. Computer Methods in Applied Mechanics and Engineering, 2017, 325, 689-710.	6.6	59
65	A review on energy harvesting from ocean waves by piezoelectric technology. Journal of Modeling in Mechanics and Materials, 2017, 1, .	0.5	15
66	A molecular dynamics simulation study on enhancement of mechanical and tribological properties of polymer composites by introduction of graphene. Carbon, 2017, 111, 538-545.	10.3	131
67	An investigation on the aeroelastic flutter characteristics of FG-CNTRC beams in the supersonic flow. Composites Part B: Engineering, 2017, 116, 486-499.	12.0	53
68	A study on a high efficient cylinder composite piezoelectric energy harvester. Composite Structures, 2017, 161, 237-245.	5.8	27
69	On dynamic instability of a pressurized functionally graded carbon nanotube reinforced truncated conical shell subjected to yawed supersonic airflow. Composite Structures, 2016, 153, 938-951.	5.8	66
70	Design of a piezoelectric harvester fixed under the roof of a high-rise building. Engineering Structures, 2016, 117, 1-9.	5.3	29
71	The effect of sliding velocity on the tribological properties of polymer/carbon nanotube composites. Carbon, 2016, 106, 106-109.	10.3	33
72	Effective Young's modulus of carbon nanotube/epoxy composites. Composites Part B: Engineering, 2016, 94, 160-166.	12.0	28

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73	Flexible Electrode Design: Fabrication of Freestanding Polyaniline-Based Composite Films for High-Performance Supercapacitors. ACS Applied Materials & Interfaces, 2016, 8, 11379-11389.	8.0	78
74	Molecular dynamics simulations of tribology properties of NBR (Nitrile-Butadiene Rubber) /carbon nanotube composites. Composites Part B: Engineering, 2016, 97, 62-67.	12.0	60
75	Energy harvesting from ocean waves by a floating energy harvester. Energy, 2016, 112, 1219-1226.	8.8	122
76	Buckling and vibration analysis of a pressurized CNT reinforced functionally graded truncated conical shell under an axial compression using HDQ method. Computer Methods in Applied Mechanics and Engineering, 2016, 303, 75-100.	6.6	118
77	Damage Detection of Beams by a Vibration Characteristic Tuning Technique Through an Optimal Design of Piezoelectric Layers. International Journal of Structural Stability and Dynamics, 2016, 16, 1550070.	2.4	14
78	A study on tribology of nitrile-butadiene rubber composites by incorporation of carbon nanotubes: Molecular dynamics simulations. Carbon, 2016, 100, 145-150.	10.3	75
79	Nonlinear aero-thermal flutter postponement of supersonic laminated composite beams with shape memory alloys. European Journal of Mechanics, A/Solids, 2016, 57, 18-28.	3.7	59
80	Energy harvesting from high-rise buildings by a piezoelectric harvester device. Energy, 2015, 93, 1345-1352.	8.8	59
81	Gum Sensor: A Stretchable, Wearable, and Foldable Sensor Based on Carbon Nanotube/Chewing Gum Membrane. ACS Applied Materials & Interfaces, 2015, 7, 26195-26205.	8.0	85
82	Load sharing inside multi-layered graphene nanosheets under bending and tension. Computational Materials Science, 2015, 110, 62-70.	3.0	9
83	Flexible Cellulose-Based Films of Polyanilineâ€“Grapheneâ€“Silver Nanowire for High-Performance Supercapacitors. Journal of Nanotechnology in Engineering and Medicine, 2015, 6, .	0.8	12
84	Ocean wave energy harvesting with a piezoelectric coupled buoy structure. Applied Ocean Research, 2015, 50, 110-118.	4.1	110
85	A mathematical model for piezoelectric ring energy harvesting technology from vehicle tires. International Journal of Engineering Science, 2015, 94, 113-127.	5.0	62
86	Energy harvesting from a vehicle suspension system. Energy, 2015, 86, 385-392.	8.8	167
87	Nonlinear thermo-inertial instability of functionally graded shape memory alloy sandwich plates. Composite Structures, 2015, 120, 496-508.	5.8	44
88	A high-capacitance solid-state supercapacitor based on free-standing film of polyaniline and carbon particles. Applied Energy, 2015, 153, 87-93.	10.1	81
89	Recent studies on applications of nanoresonators in sensors and molecular transportation. , 2014, , .		0
90	Nanoresonators in Sensors and Molecular Transportation: An Introduction to the Possibilities of Carbon Nanotubes and Graphene Sheets. IEEE Nanotechnology Magazine, 2014, 8, 29-37.	1.3	3

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91	A high-capacitance solid-state supercapacitor based on polyaniline and ground carbon fibers. , 2014, , .		1
92	A Review on the Application of Nonlocal Elastic Models in Modeling of Carbon Nanotubes and Graphenes. Springer Series in Materials Science, 2014, , 57-82.	0.6	16
93	Molecular simulations on separation of atoms with carbon nanotubes in torsion. Computational Materials Science, 2014, 81, 280-283.	3.0	7
94	Energy harvesting from transverse ocean waves by a piezoelectric plate. International Journal of Engineering Science, 2014, 81, 41-48.	5.0	115
95	Potential of a piezoelectric energy harvester from sea waves. Journal of Sound and Vibration, 2014, 333, 1421-1429.	3.9	78
96	A review on applications of carbon nanotubes and graphenes as nano-resonator sensors. Computational Materials Science, 2014, 82, 350-360.	3.0	176
97	On nonconservativeness of Eringenâ€™s nonlocal elasticity in beam mechanics: correction from a discrete-based approach. Archive of Applied Mechanics, 2014, 84, 1275-1292.	2.2	139
98	Molecular separation with carbon nanotubes. Computational Materials Science, 2014, 90, 50-55.	3.0	6
99	A ring piezoelectric energy harvester excited by magnetic forces. International Journal of Engineering Science, 2014, 77, 71-78.	5.0	68
100	Nonlinear thermal stability of geometrically imperfect shape memory alloy hybrid laminated composite plates. Smart Materials and Structures, 2014, 23, 075012.	3.5	41
101	Mechanical properties of carbon nanotube/polymer composites. Scientific Reports, 2014, 4, 6479.	3.3	358
102	Detection of gas atoms with carbon nanotubes. Scientific Reports, 2013, 3, .	3.3	63
103	Energy harvesting from high-rise buildings by a piezoelectric coupled cantilever with a proof mass. International Journal of Engineering Science, 2013, 72, 98-106.	5.0	68
104	Dispersion of a bundle of carbon nanotubes by mechanical torsional energy. Carbon, 2013, 59, 229-236.	10.3	6
105	Wind energy harvesting with a piezoelectric harvester. Smart Materials and Structures, 2013, 22, 095023.	3.5	73
106	Gene Detection With Carbon Nanotubes. Journal of Nanotechnology in Engineering and Medicine, 2012, 3, .	0.8	12
107	Buckling and Vibration of Carbon Nanotubes Embedded in Polyethylene Polymers. Journal of Nanotechnology in Engineering and Medicine, 2012, 3, .	0.8	1
108	Driving Forces and Transportation Efficiency in Water Transportation Through Single-Walled Carbon Nanotubes. Journal of Nanotechnology in Engineering and Medicine, 2012, 3, .	0.8	1

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109	Reversible ferromagnetism in rutile TiO2 single crystals induced by nickel impurities. Applied Physics Letters, 2012, 101, .	3.3	20
110	Ejection of DNA molecules from carbon nanotubes. Carbon, 2012, 50, 4945-4952.	10.3	27
111	Detection of gas atoms with graphene sheets. Computational Materials Science, 2012, 60, 245-249.	3.0	22
112	A review on the application of nonlocal elastic models in modeling of carbon nanotubes and graphenes. Computational Materials Science, 2012, 51, 303-313.	3.0	474
113	Mechanical properties of platinum nanowires: An atomistic investigation on single-crystalline and twinned structures. Computational Materials Science, 2012, 55, 205-210.	3.0	25
114	A review on structural enhancement and repair using piezoelectric materials and shape memory alloys. Smart Materials and Structures, 2012, 21, 013001.	3.5	43
115	A study on interaction of DNA molecules and carbon nanotubes for an effective ejection of the molecules. Physics Letters, Section A: General, Atomic and Solid State Physics, 2012, 376, 3267-3271.	2.1	3
116	Modeling of vibrations of carbon nanotubes. Procedia Engineering, 2012, 31, 343-347.	1.2	38
117	Optimal design of a piezoelectric coupled beam for power harvesting. Smart Materials and Structures, 2012, 21, 085013.	3.5	47
118	Wave propagation in graphene sheets with nonlocal elastic theory via finite element formulation. Computer Methods in Applied Mechanics and Engineering, 2012, 223-224, 1-9.	6.6	78
119	On the interaction of a single-walled carbon nanotube with a moving nanoparticle using nonlocal Rayleigh, Timoshenko, and higher-order beam theories. European Journal of Mechanics, A/Solids, 2012, 31, 179-202.	3.7	72
120	Simulation and Experimental Studies and Applications of Carbon Nanotubes and Graphenes in Engineering and Medicine. Journal of Nanotechnology in Engineering and Medicine, 2012, 3, .	0.8	0
121	Vibration of Single- and Double-Layered Graphene Sheets. Journal of Nanotechnology in Engineering and Medicine, 2011, 2, .	0.8	76
122	Dispersion of carbon nanotubes with SDS surfactants: a study from a binding energy perspective. Chemical Science, 2011, 2, 1407.	7.4	166
123	Nonlocal Continuum Model and Molecular Dynamics for Free Vibration of Single-Walled Carbon Nanotubes. Journal of Nanoscience and Nanotechnology, 2011, 11, 10401-10407.	0.9	33
124	Carbon Nanotube-Based Sensors for Detection of Gas Atoms. Journal of Nanotechnology in Engineering and Medicine, 2011, 2, .	0.8	22
125	An experimental study on the repair of a notched beam subjected to dynamic loading with piezoelectric patches. Smart Materials and Structures, 2011, 20, 115023.	3.5	20
126	Detection of gas atoms via vibration of graphenes. Physics Letters, Section A: General, Atomic and Solid State Physics, 2011, 375, 2411-2415.	2.1	90

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127	Compressive buckling of carbon nanotubes containing polyethylene molecules. Carbon, 2011, 49, 729-732.	10.3	6
128	Controlling the formation of wrinkles in a single layer graphene sheet subjected to in-plane shear. Carbon, 2011, 49, 3107-3112.	10.3	98
129	Experimental studies on damage detection of beam structures with wavelet transform. International Journal of Engineering Science, 2011, 49, 253-261.	5.0	90
130	Buckling of carbon nanotubes wrapped by polyethylene molecules. Physics Letters, Section A: General, Atomic and Solid State Physics, 2011, 375, 624-627.	2.1	11
131	Detecting the delamination location of a beam with a wavelet transform: an experimental study. Smart Materials and Structures, 2011, 20, 012002.	3.5	13
132	Buckling and Vibration of Carbon Nanotubes Embedded in Polyethylene Polymers. Applied Mechanics and Materials, 2011, 148-149, 1016-1020.	0.2	0
133	Free vibration analysis of piezoelectric coupled circular plate with open circuit. Journal of Sound and Vibration, 2010, 329, 1126-1136.	3.9	40
134	Simulations of the bending rigidity of graphene. Physics Letters, Section A: General, Atomic and Solid State Physics, 2010, 374, 1180-1183.	2.1	58
135	Compressive mechanical behavior of Au nanowires. Physics Letters, Section A: General, Atomic and Solid State Physics, 2010, 374, 2949-2952.	2.1	23
136	Small-scale effect on torsional buckling of multi-walled carbon nanotubes. European Journal of Mechanics, A/Solids, 2010, 29, 49-55.	3.7	73
137	Dynamic Instability of Nanorods/Nanotubes Subjected to an End Follower Force. Journal of Engineering Mechanics - ASCE, 2010, 136, 1054-1058.	2.9	20
138	ACOUSTIC WAVE IN PIEZOELECTRIC COUPLED PLATES WITH OPEN CIRCUIT. International Journal of Structural Stability and Dynamics, 2010, 10, 299-313.	2.4	7
139	FE-PML MODELING OF 3D SCATTERING OF TRANSIENT ELASTIC WAVES IN CRACKED PLATE WITH RECTANGULAR CROSS SECTION. International Journal of Structural Stability and Dynamics, 2010, 10, 1123-1139.	2.4	3
140	Applications of Piezoelectric Materials in Structural Health Monitoring and Repair: Selected Research Examples. Materials, 2010, 3, 5169-5194.	2.9	113
141	Repair of vibrating delaminated beam structures using piezoelectric patches. Smart Materials and Structures, 2010, 19, 035027.	3.5	28
142	Water Transport with a Carbon Nanotube Pump. ACS Nano, 2010, 4, 2338-2344.	14.6	75
143	Orientation-dependent mechanical properties of Au nanowires under uniaxial loading. Computational Materials Science, 2010, 48, 513-519.	3.0	31
144	Modeling the Instability of Carbon Nanotubes: From Continuum Mechanics to Molecular Dynamics. Journal of Nanotechnology in Engineering and Medicine, 2010, 1, .	0.8	12

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145	Repair of a delaminated plate under static loading with piezoelectric patches. Smart Materials and Structures, 2010, 19, 105025.	3.5	19
146	Time Constants of Cardiac Function and Their Calculations. Open Cardiovascular Medicine Journal, 2010, 4, 168-172.	0.3	14
147	Torsional instability of carbon nanotubes encapsulating C60 fullerenes. Carbon, 2009, 47, 507-512.	10.3	45
148	Transportation of hydrogen molecules using carbon nanotubes in torsion. Carbon, 2009, 47, 1870-1873.	10.3	28
149	Separation of atoms with carbon nanotubes. Carbon, 2009, 47, 2754-2757.	10.3	15
150	Nonlocal elastic beam models for flexural wave propagation in double-walled carbon nanotubes. Journal of Applied Physics, 2009, 106, 044301.	2.5	43
151	A novel ring type ultrasonic motor with multiple wavenumbers: design, fabrication and characterization. Smart Materials and Structures, 2009, 18, 125025.	3.5	17
152	Atomic Transportation via Carbon Nanotubes. Nano Letters, 2009, 9, 245-249.	9.1	106
153	Analysis of elastic wave in carbon nanotubes using continuum mechanics and molecular dynamic simulations. , 2009, , .		0
154	Nonlocal shell model for elastic wave propagation in single- and double-walled carbon nanotubes. Journal of the Mechanics and Physics of Solids, 2008, 56, 3475-3485.	4.8	369
155	Modeling of the mechanical instability of carbon nanotubes. Carbon, 2008, 46, 285-290.	10.3	39
156	Torsional buckling of double-walled carbon nanotubes. Carbon, 2008, 46, 1172-1174.	10.3	39
157	Using Model of Strain Gradient Membrane Shell to Characterize Longitudinal Wave Dispersion in Multi-Walled Carbon Nanotubes. Journal of Computational and Theoretical Nanoscience, 2008, 5, 1980-1988.	0.4	4
158	Effect of Atomic Vacancy on Stability of Carbon Nanotubes. Journal of Computational and Theoretical Nanoscience, 2008, 5, 1997-2003.	0.4	0
159	The Alternating Electrostatic Force Needed to Optimize Growth of a Carbon Nanotube. Journal of Computational and Theoretical Nanoscience, 2008, 5, 2170-2175.	0.4	0
160	Relationship Between PI and Szeged Indices of a Triangulane and Its Associated Dendrimer. Journal of Computational and Theoretical Nanoscience, 2008, 5, 681-684.	0.4	4
161	Self-magnetism and Persistent Photoconductivity. Communications in Theoretical Physics, 2008, 50, 999-1002.	2.5	1
162	ON INSTABILITY OF SINGLE-WALLED CARBON NANOTUBES WITH A VACANCY DEFECT. International Journal of Structural Stability and Dynamics, 2008, 08, 357-366.	2.4	13

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163	Molecular simulations of in-plane stiffness and shear modulus of double-walled carbon nanotubes. Molecular Simulation, 2008, 34, 1283-1287.	2.0	1
164	Finite element analysis of the piezoelectric-based repair of a delaminated beam. Smart Materials and Structures, 2008, 17, 015017.	3.5	22
165	Molecular dynamics simulations of the torsional instability of carbon nanotubes filled with hydrogen or silicon atoms. Applied Physics Letters, 2008, 92, 043120.	3.3	29
166	Molecular mechanics modeling for properties of carbon nanotubes. Journal of Applied Physics, 2008, 103, .	2.5	24
167	Instability analysis of double-walled carbon nanotubes subjected to axial compression. Journal of Applied Physics, 2008, 104, 036102.	2.5	4
168	Modeling of fracture of carbon nanotubes with vacancy defect. Physical Review B, 2007, 75, .	3.2	26
169	Publisher's Note: Modeling of fracture of carbon nanotubes with vacancy defect [Phys. Rev. B75, 201405 (2007)]. Physical Review B, 2007, 75, .	3.2	4
170	Local buckling of carbon nanotubes under bending. Applied Physics Letters, 2007, 91, .	3.3	28
171	Inelastic buckling of carbon nanotubes. Applied Physics Letters, 2007, 90, 033110.	3.3	68
172	Flow-induced instability of double-walled carbon nanotubes based on an elastic shell model. Journal of Applied Physics, 2007, 102, .	2.5	44
173	Application of nonlocal elastic shell theory in wave propagation analysis of carbon nanotubes. Smart Materials and Structures, 2007, 16, 178-190.	3.5	176
174	The constitutive relation and small scale parameter of nonlocal continuum mechanics for modelling carbon nanotubes. Nanotechnology, 2007, 18, 075702.	2.6	318
175	Molecular mechanics modeling of carbon nanotube fracture. Carbon, 2007, 45, 1769-1776.	10.3	96
176	Analysis of wave propagation in carbon nanotubes via elastic shell theories. International Journal of Engineering Science, 2007, 45, 227-241.	5.0	99
177	Application of nonlocal continuum mechanics to static analysis of micro- and nano-structures. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 363, 236-242.	2.1	430
178	Torsional buckling of carbon nanotubes. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 367, 135-139.	2.1	50
179	Vibration of carbon nanotubes studied using nonlocal continuum mechanics. Smart Materials and Structures, 2006, 15, 659-666.	3.5	288
180	Study on the adjustable rigidity of magnetorheological-elastomer-based sandwich beams. Smart Materials and Structures, 2006, 15, 59-74.	3.5	49

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181	Finite element studies on field-dependent rigidities of sandwich beams with magnetorheological elastomer cores. Smart Materials and Structures, 2006, 15, 787-791.	3.5	13
182	Nonlocal continuum models for carbon nanotubes subjected to static loading. Journal of Mechanics of Materials and Structures, 2006, 1, 663-680.	0.6	34
183	Wave characteristics of carbon nanotubes. International Journal of Solids and Structures, 2006, 43, 254-265.	2.7	137
184	Use of magnetorheological elastomer in an adaptive sandwich beam with conductive skins. Part I: Magnetoelastic loads in conductive skins. International Journal of Solids and Structures, 2006, 43, 5386-5402.	2.7	44
185	Use of magnetorheological elastomer in an adaptive sandwich beam with conductive skins. Part II: Dynamic properties. International Journal of Solids and Structures, 2006, 43, 5403-5420.	2.7	58
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