

Pizhong Qiao

List of Publications by Year in descending order

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280
papers

8,784
citations

36203

51
h-index

60497

81
g-index

285
all docs

285
docs citations

285
times ranked

4696
citing authors

#	ARTICLE	IF	CITATIONS
1	Vibration-based Damage Identification Methods: A Review and Comparative Study. <i>Structural Health Monitoring</i> , 2011, 10, 83-111.	4.3	1,511
2	Curvature mode shape-based damage detection in composite laminated plates. <i>Composite Structures</i> , 2007, 80, 409-428.	3.1	207
3	Modeling and characterization of fiber-reinforced plastic honeycomb sandwich panels for highway bridge applications. <i>Composite Structures</i> , 2001, 52, 441-452.	3.1	192
4	An improved peridynamic approach for quasi-static elastic deformation and brittle fracture analysis. <i>International Journal of Mechanical Sciences</i> , 2015, 94-95, 111-122.	3.6	179
5	A 2-D continuous wavelet transform of mode shape data for damage detection of plate structures. <i>International Journal of Solids and Structures</i> , 2009, 46, 4379-4395.	1.3	145
6	Impact Mechanics and High-Energy Absorbing Materials: Review. <i>Journal of Aerospace Engineering</i> , 2008, 21, 235-248.	0.8	115
7	Experimental Damage Identification of Carbon/Epoxy Composite Beams Using Curvature Mode Shapes. <i>Structural Health Monitoring</i> , 2004, 3, 333-353.	4.3	111
8	Analysis and design of pultruded FRP shapes under bending. <i>Composites Part B: Engineering</i> , 1996, 27, 295-305.	5.9	109
9	Local Buckling of Composite FRP Shapes by Discrete Plate Analysis. <i>Journal of Structural Engineering</i> , 2001, 127, 245-255.	1.7	109
10	Explicit local buckling analysis and design of fiber-reinforced plastic composite structural shapes. <i>Composite Structures</i> , 2005, 70, 468-483.	3.1	105
11	Novel beam analysis of end notched flexure specimen for mode-II fracture. <i>Engineering Fracture Mechanics</i> , 2004, 71, 219-231.	2.0	104
12	Curvature Mode Shape-based Damage Assessment of Carbon/Epoxy Composite Beams. <i>Journal of Intelligent Material Systems and Structures</i> , 2007, 18, 189-208.	1.4	101
13	Interface crack between two shear deformable elastic layers. <i>Journal of the Mechanics and Physics of Solids</i> , 2004, 52, 891-905.	2.3	99
14	An extended peridynamic approach for deformation and fracture analysis. <i>Engineering Fracture Mechanics</i> , 2015, 141, 196-211.	2.0	96
15	Mechanics and fracture of crack tip deformable bi-material interface. <i>International Journal of Solids and Structures</i> , 2004, 41, 7423-7444.	1.3	94
16	Modeling of dynamic responses of CNT-reinforced composite cylindrical shells under impact loads. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2017, 313, 889-903.	3.4	93
17	Vibration of beams with arbitrary discontinuities and boundary conditions. <i>Journal of Sound and Vibration</i> , 2007, 308, 12-27.	2.1	89
18	Nonlinear low-velocity impact analysis of temperature-dependent nanotube-reinforced composite plates. <i>Composite Structures</i> , 2014, 108, 423-434.	3.1	83

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19	Semi-analytical solutions to buckling and free vibration analysis of carbon nanotube-reinforced composite thin plates. <i>Composite Structures</i> , 2016, 144, 33-43.	3.1	78
20	Active Vibration Damping of Composite Beam using Smart Sensors and Actuators. <i>Journal of Aerospace Engineering</i> , 2002, 15, 97-103.	0.8	74
21	Higher-order impact modeling of sandwich structures with flexible core. <i>International Journal of Solids and Structures</i> , 2005, 42, 5460-5490.	1.3	74
22	Impact analysis of fiber reinforced polymer honeycomb composite sandwich beams. <i>Composites Part B: Engineering</i> , 2007, 38, 739-750.	5.9	70
23	Waveform fractal dimension for mode shape-based damage identification of beam-type structures. <i>International Journal of Solids and Structures</i> , 2008, 45, 5946-5961.	1.3	70
24	Improved Damage Detection for Beam-type Structures using a Uniform Load Surface. <i>Structural Health Monitoring</i> , 2007, 6, 99-110.	4.3	68
25	Damage detection of fiber-reinforced polymer honeycomb sandwich beams. <i>Composite Structures</i> , 2005, 67, 365-373.	3.1	67
26	Novel Laplacian scheme and multiresolution modal curvatures for structural damage identification. <i>Mechanical Systems and Signal Processing</i> , 2009, 23, 1223-1242.	4.4	67
27	Homogenized elastic properties of honeycomb sandwich with skin effect. <i>International Journal of Solids and Structures</i> , 2002, 39, 2153-2188.	1.3	66
28	Analytical and Experimental Study of Lateral and Distortional Buckling of FRP Wide-Flange Beams. <i>Journal of Composites for Construction</i> , 1997, 1, 150-159.	1.7	63
29	A state-based peridynamic model for quantitative fracture analysis. <i>International Journal of Fracture</i> , 2018, 211, 217-235.	1.1	62
30	Cohesive fracture simulation and failure modes of FRP-concrete bonded interfaces. <i>Theoretical and Applied Fracture Mechanics</i> , 2008, 49, 213-225.	2.1	61
31	Flexural-torsional buckling of fiber-reinforced plastic composite cantilever I-beams. <i>Composite Structures</i> , 2003, 60, 205-217.	3.1	60
32	Molecular dynamics evaluation of strain rate and size effects on mechanical properties of FCC nickel nanowires. <i>Computational Materials Science</i> , 2011, 50, 903-910.	1.4	60
33	On the energy release rate and mode mix of delaminated shear deformable composite plates. <i>International Journal of Solids and Structures</i> , 2004, 41, 2757-2779.	1.3	59
34	Analysis of tapered ENF specimen and characterization of bonded interface fracture under Mode-II loading. <i>International Journal of Solids and Structures</i> , 2003, 40, 1865-1884.	1.3	58
35	Evaluation of Fracture Energy of Composite-Concrete Bonded Interfaces Using Three-Point Bend Tests. <i>Journal of Composites for Construction</i> , 2004, 8, 352-359.	1.7	58
36	Flexural-torsional buckling of fiber-reinforced plastic composite open channel beams. <i>Composite Structures</i> , 2005, 68, 211-224.	3.1	58

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37	Damage and progressive failure of concrete structures using non-local peridynamic modeling. <i>Science China Technological Sciences</i> , 2011, 54, 591-596.	2.0	58
38	Microstructural damage evolution and its effect on fracture behavior of concrete subjected to freeze-thaw cycles. <i>International Journal of Damage Mechanics</i> , 2018, 27, 1272-1288.	2.4	58
39	Dynamics-based Damage Detection of Composite Laminated Beams using Contact and Noncontact Measurement Systems. <i>Journal of Composite Materials</i> , 2007, 41, 1217-1252.	1.2	57
40	A systematic analysis and design approach for single-span FRP deck/stringer bridges. <i>Composites Part B: Engineering</i> , 2000, 31, 593-609.	5.9	56
41	Novel joint deformation models and their application to delamination fracture analysis. <i>Composites Science and Technology</i> , 2005, 65, 1826-1839.	3.8	56
42	Probabilistic damage modeling and service-life prediction of concrete under freeze-thaw action. <i>Materials and Structures/Materiaux Et Constructions</i> , 2015, 48, 2697-2711.	1.3	56
43	A new bond failure criterion for ordinary state-based peridynamic mode II fracture analysis. <i>International Journal of Fracture</i> , 2019, 215, 105-128.	1.1	56
44	Flexural-torsional buckling of pultruded fiber reinforced plastic composite I-beams: experimental and analytical evaluations. <i>Composite Structures</i> , 1997, 38, 241-250.	3.1	54
45	Integrated wavelet transform and its application to vibration mode shapes for the damage detection of beam-type structures. <i>Smart Materials and Structures</i> , 2008, 17, 055014.	1.8	54
46	A state-based peridynamic model for quantitative elastic and fracture analysis of orthotropic materials. <i>Engineering Fracture Mechanics</i> , 2019, 206, 147-171.	2.0	54
47	Modeling and experimental detection of damage in various materials using the pulse-echo method and piezoelectric sensors/actuators. <i>Smart Materials and Structures</i> , 2005, 14, 1083-1100.	1.8	53
48	Buckling and postbuckling behavior of shear deformable anisotropic laminated beams with initial geometric imperfections subjected to axial compression. <i>Engineering Structures</i> , 2015, 85, 277-292.	2.6	53
49	Fiber-Reinforced Composite and Wood Bonded Interfaces: Part 1. Durability and Shear Strength. <i>Journal of Composites Technology and Research</i> , 2000, 22, 224.	0.4	52
50	Transverse Shear Stiffness of Composite Honeycomb Core with General Configuration. <i>Journal of Engineering Mechanics - ASCE</i> , 2001, 127, 1144-1151.	1.6	52
51	Explicit local buckling analysis of rotationally restrained composite plates under uniaxial compression. <i>Engineering Structures</i> , 2008, 30, 126-140.	2.6	52
52	Microstructural damage characterization of concrete under freeze-thaw action. <i>International Journal of Damage Mechanics</i> , 2018, 27, 1551-1568.	2.4	50
53	Durability of ultra-high performance concrete in tension under cold weather conditions. <i>Cement and Concrete Composites</i> , 2018, 94, 94-106.	4.6	48
54	Bond behavior of epoxy-coated rebar in ultra-high performance concrete. <i>Construction and Building Materials</i> , 2018, 182, 406-417.	3.2	48

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55	Tapered beam on elastic foundation model for compliance rate change of TDCB specimen. <i>Engineering Fracture Mechanics</i> , 2003, 70, 339-353.	2.0	45
56	Microstructural crack segmentation of three-dimensional concrete images based on deep convolutional neural networks. <i>Construction and Building Materials</i> , 2020, 253, 119185.	3.2	45
57	Local Buckling of Elastically Restrained Fiber-Reinforced Plastic Plates and its Application to Box Sections. <i>Journal of Engineering Mechanics - ASCE</i> , 2002, 128, 1324-1330.	1.6	44
58	On irregularity-based damage detection method for cracked beams. <i>International Journal of Solids and Structures</i> , 2008, 45, 688-704.	1.3	44
59	Nondestructive Assessment of Reinforced Concrete Structures Based on Fractal Damage Characteristic Factors. <i>Journal of Engineering Mechanics - ASCE</i> , 2006, 132, 924-931.	1.6	43
60	Modeling and optimal design of composite-reinforced wood railroad crosstie. <i>Composite Structures</i> , 1998, 41, 87-96.	3.1	42
61	Debonding analysis of FRP-concrete interface between two balanced adjacent flexural cracks in plated beams. <i>International Journal of Solids and Structures</i> , 2009, 46, 2618-2628.	1.3	42
62	Local Buckling of Composite Fiber-Reinforced Plastic Wide-Flange Sections. <i>Journal of Structural Engineering</i> , 2003, 129, 125-129.	1.7	40
63	Mechanics of Composite Sinusoidal Honeycomb Cores. <i>Journal of Aerospace Engineering</i> , 2005, 18, 42-50.	0.8	40
64	An extended state-based peridynamic model for damage growth prediction of bimaterial structures under thermomechanical loading. <i>Engineering Fracture Mechanics</i> , 2018, 189, 81-97.	2.0	40
65	Vibration analysis of sandwich plates with carbon nanotube-reinforced composite face-sheets. <i>Composite Structures</i> , 2018, 200, 799-809.	3.1	40
66	Tensile behavior of ultra-high performance concrete: Analytical model and experimental validation. <i>Construction and Building Materials</i> , 2019, 201, 842-851.	3.2	40
67	An improved adhesively bonded bi-material beam model for plated beams. <i>Engineering Structures</i> , 2008, 30, 1949-1957.	2.6	39
68	Structural Damage Detection Using Local Damage Factor. <i>JVC/Journal of Vibration and Control</i> , 2006, 12, 955-973.	1.5	38
69	Experimental Investigation on FRP-to-Timber Bonded Interfaces. <i>Journal of Composites for Construction</i> , 2014, 18, .	1.7	38
70	Analysis and remedial treatment of a steel pipe-jacking accident in complex underground environment. <i>Engineering Structures</i> , 2014, 59, 210-219.	2.6	37
71	Neural network committee-based sensitivity analysis strategy for geotechnical engineering problems. <i>Neural Computing and Applications</i> , 2008, 17, 509-519.	3.2	36
72	Impact analysis of I-Lam sandwich system for over-height collision protection of highway bridges. <i>Engineering Structures</i> , 2004, 26, 1003-1012.	2.6	35

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73	Analysis of beam-type fracture specimens with crack-tip deformation. <i>International Journal of Fracture</i> , 2005, 132, 223-248.	1.1	34
74	A strain energy-based damage severity correction factor method for damage identification in plate-type structures. <i>Mechanical Systems and Signal Processing</i> , 2012, 28, 660-678.	4.4	34
75	Characterization of Mode-I fracture of hybrid material interface bonds by contoured DCB specimens. <i>Engineering Fracture Mechanics</i> , 1997, 58, 173-192.	2.0	33
76	A two-dimensional elasticity model for bending and free vibration analysis of laminated graphene-reinforced composite beams. <i>Composite Structures</i> , 2019, 211, 364-375.	3.1	33
77	Multiobjective material architecture optimization of pultruded FRP I-beams. <i>Composite Structures</i> , 1996, 35, 271-281.	3.1	32
78	A computational approach for analysis and optimal design of FRP beams. <i>Computers and Structures</i> , 1999, 70, 169-183.	2.4	32
79	Cohesive fracture and probabilistic damage analysis of freezing-thawing degradation of concrete. <i>Construction and Building Materials</i> , 2013, 47, 879-887.	3.2	32
80	On the modeling of tensile behavior of ultra-high performance fiber-reinforced concrete with freezing-thawing actions. <i>Composites Part B: Engineering</i> , 2019, 174, 106983.	5.9	32
81	On an exact bending curvature model for nonlinear free vibration analysis shear deformable anisotropic laminated beams. <i>Composite Structures</i> , 2014, 108, 243-258.	3.1	31
82	A new surface fractal dimension for displacement mode shape-based damage identification of plate-type structures. <i>Mechanical Systems and Signal Processing</i> , 2018, 103, 139-161.	4.4	31
83	An axisymmetric ordinary state-based peridynamic model for linear elastic solids. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2018, 341, 517-550.	3.4	31
84	Direct Tension Test for Characterization of Tensile Behavior of Ultra-High Performance Concrete. <i>Journal of Testing and Evaluation</i> , 2020, 48, 2730-2749.	0.4	31
85	Feasibility Study of Prototype GFRP-Reinforced Wood Railroad Crosstie. <i>Journal of Composites for Construction</i> , 1999, 3, 92-99.	1.7	30
86	Quasi-static Crushing Behavior of Aluminum Honeycomb Materials. <i>Journal of Sandwich Structures and Materials</i> , 2008, 10, 133-160.	2.0	30
87	Analysis and design of fiber reinforced plastic composite deck-and-stringer bridges. <i>Composite Structures</i> , 1997, 38, 295-307.	3.1	29
88	Crack Growth Resistance of Hybrid Fiber-Reinforced Cement Matrix Composites. <i>Journal of Aerospace Engineering</i> , 2011, 24, 154-161.	0.8	29
89	On the Compliance and Energy Release Rate of Generically-unified Beam-type Fracture Specimens. <i>Journal of Composite Materials</i> , 2011, 45, 65-101.	1.2	28
90	Vibration analysis of laminated composite plates with damage using the perturbation method. <i>Composites Part B: Engineering</i> , 2015, 72, 160-174.	5.9	28

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91	Micro-CT-based micromechanics and numerical homogenization for effective elastic property of ultra-high performance concrete. <i>International Journal of Damage Mechanics</i> , 2020, 29, 45-66.	2.4	27
92	EXPLICIT LOCAL BUCKLING ANALYSIS OF ROTATIONALLY RESTRAINED COMPOSITE PLATES UNDER BIAXIAL LOADING. <i>International Journal of Structural Stability and Dynamics</i> , 2007, 07, 487-517.	1.5	26
93	Analysis of cushion systems for impact protection design of bridges against overheight vehicle collision. <i>International Journal of Impact Engineering</i> , 2010, 37, 1220-1228.	2.4	26
94	Free vibration analysis of fiber-reinforced polymer honeycomb sandwich beams with a refined sandwich beam theory. <i>Journal of Sandwich Structures and Materials</i> , 2016, 18, 242-260.	2.0	26
95	A renewable admixture to enhance the performance of cement mortars through a pre-hydration method. <i>Journal of Cleaner Production</i> , 2022, 332, 130095.	4.6	26
96	Shear Moduli of Structural Composites from Torsion Tests. <i>Journal of Composite Materials</i> , 2002, 36, 1151-1173.	1.2	25
97	Design Optimization of Fiber Reinforced Plastic Composite Shapes. <i>Journal of Composite Materials</i> , 1998, 32, 177-196.	1.2	24
98	An improved four-parameter model with consideration of Poisson's effect on stress analysis of adhesive joints. <i>Engineering Structures</i> , 2015, 88, 203-215.	2.6	24
99	A coupled peridynamic strength and fracture criterion for open-hole failure analysis of plates under tensile load. <i>Engineering Fracture Mechanics</i> , 2018, 204, 103-118.	2.0	24
100	Characterization of microstructural damage evolution of freeze-thawed shotcrete by an integrative micro-CT and nanoindentation statistical approach. <i>Cement and Concrete Composites</i> , 2021, 117, 103909.	4.6	24
101	Mode I Fracture Toughness of Fiber Reinforced Composite-Wood Bonded Interface. <i>Journal of Composite Materials</i> , 1998, 32, 987-1013.	1.2	23
102	Improved hybrid wavelet neural network methodology for time-varying behavior prediction of engineering structures. <i>Neural Computing and Applications</i> , 2009, 18, 821-832.	3.2	23
103	Explicit local buckling analysis of rotationally-restrained orthotropic plates under uniform shear. <i>Composite Structures</i> , 2011, 93, 2785-2794.	3.1	23
104	Post-buckling analysis of composite plates under combined compression and shear loading using finite strip method. <i>Finite Elements in Analysis and Design</i> , 2014, 83, 33-42.	1.7	23
105	Peridynamic simulation of two-dimensional axisymmetric pull-out tests. <i>International Journal of Solids and Structures</i> , 2019, 168, 41-57.	1.3	23
106	A new peridynamic mixed-mode bond failure model for interface delamination and homogeneous materials fracture analysis. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2021, 379, 113728.	3.4	23
107	Active vibration control of a smart pultruded fiber-reinforced polymer I-beam. <i>Smart Materials and Structures</i> , 2004, 13, 819-827.	1.8	22
108	Fatigue Life Prediction of Pultruded E-glass/Polyurethane Composites. <i>Journal of Composite Materials</i> , 2006, 40, 815-837.	1.2	22

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109	On the improved dynamic analysis of delaminated beams. <i>Journal of Sound and Vibration</i> , 2012, 331, 1143-1163.	2.1	22
110	Buckling analysis of restrained orthotropic plates under combined in-plane shear and axial loads and its application to web local buckling. <i>Composite Structures</i> , 2014, 111, 540-552.	3.1	22
111	Buckling and postbuckling of anisotropic laminated cylindrical shells under combined external pressure and axial compression in thermal environments. <i>Composite Structures</i> , 2015, 119, 709-726.	3.1	22
112	Nonlinear impact analysis of fully backed composite sandwich structures. <i>Composites Science and Technology</i> , 2005, 65, 551-562.	3.8	21
113	A Combined Static/Dynamic Technique for Damage Detection of Laminated Composite Plates. <i>Experimental Mechanics</i> , 2008, 48, 17-35.	1.1	21
114	Optimization of transverse shear moduli for composite honeycomb cores. <i>Composite Structures</i> , 2008, 85, 265-274.	3.1	21
115	Nonlinear vibration analysis of geodesically-stiffened laminated composite cylindrical shells in an elastic medium. <i>Composite Structures</i> , 2014, 111, 473-487.	3.1	21
116	Application of soft-thresholding on the decomposed Lamb wave signals for damage detection of plate-like structures. <i>Measurement: Journal of the International Measurement Confederation</i> , 2016, 88, 417-427.	2.5	21
117	A new semi-analytical method for nonlinear stability analysis of stiffened laminated composite doubly-curved shallow shells. <i>Composite Structures</i> , 2020, 251, 112526.	3.1	21
118	A two-dimensional ordinary state-based peridynamic model for elastic and fracture analysis. <i>Engineering Fracture Mechanics</i> , 2020, 232, 107040.	2.0	21
119	Performance enhancement of silica fume blended mortars using bio-functionalized nano-silica. <i>Construction and Building Materials</i> , 2021, 312, 125467.	3.2	21
120	Peridynamic modeling of elastic bimaterial interface fracture. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2022, 390, 114458.	3.4	21
121	Compliance rate change of tapered double cantilever beam specimen with hybrid interface bonds. <i>Theoretical and Applied Fracture Mechanics</i> , 1998, 29, 125-139.	2.1	20
122	Mechanics of Bimaterial Interface: Shear Deformable Split Bilayer Beam Theory and Fracture. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2005, 72, 674-682.	1.1	20
123	Buckling of delaminated bi-layer beam-columns. <i>International Journal of Solids and Structures</i> , 2011, 48, 2485-2495.	1.3	19
124	Thermal postbuckling analysis of anisotropic laminated beams with different boundary conditions resting on two-parameter elastic foundations. <i>European Journal of Mechanics, A/Solids</i> , 2015, 54, 30-43.	2.1	19
125	Localization and size quantification of surface crack of concrete based on Rayleigh wave attenuation model. <i>Construction and Building Materials</i> , 2021, 280, 122437.	3.2	19
126	Fracture Analysis of Shear Deformable Bi-Material Interface. <i>Journal of Engineering Mechanics - ASCE</i> , 2006, 132, 306-316.	1.6	18

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127	Interface crack between two interface deformable piezoelectric layers. International Journal of Fracture, 2009, 156, 185-201.	1.1	18
128	On the intralaminar and interlaminar stress analysis of adhesive joints in plated beams. International Journal of Adhesion and Adhesives, 2012, 36, 44-55.	1.4	18
129	Shear buckling of rotationally-restrained composite laminated plates. Thin-Walled Structures, 2015, 94, 147-154.	2.7	18
130	A novel semi-analytical method for buckling analysis of stiffened laminated composite plates. Thin-Walled Structures, 2020, 148, 106575.	2.7	18
131	Assessment of wave modulus of elasticity of concrete with surface-bonded piezoelectric transducers. Construction and Building Materials, 2020, 242, 118033.	3.2	18
132	Application of Wave Propagation Analysis for Damage Identification in Composite Laminated Beams. Journal of Composite Materials, 2005, 39, 1967-1984.	1.2	17
133	Refined Analysis of Torsion and In-plane Shear of Honeycomb Sandwich Structures. Journal of Sandwich Structures and Materials, 2005, 7, 289-305.	2.0	17
134	Post-fracture performance of laminated glass panels under consecutive hard body impacts. Composite Structures, 2020, 254, 112777.	3.1	17
135	An improved mesoscale damage model for quasi-brittle fracture analysis of concrete with ordinary state-based peridynamics. Theoretical and Applied Fracture Mechanics, 2021, 112, 102829.	2.1	17
136	Torsion of honeycomb FRP sandwich beams with a sinusoidal core configuration. Composite Structures, 2009, 88, 97-111.	3.1	16
137	Mixed mode fracture characterization of GFRP-concrete bonded interface using four-point asymmetric end-notched flexure test. Theoretical and Applied Fracture Mechanics, 2017, 92, 155-166.	2.1	16
138	Failure analysis of plates with singular and non-singular stress raisers by a coupled peridynamic model. International Journal of Mechanical Sciences, 2019, 157-158, 446-456.	3.6	16
139	Virtual crack closure technique in peridynamic theory. Computer Methods in Applied Mechanics and Engineering, 2020, 372, 113318.	3.4	16
140	A fully-discrete peridynamic modeling approach for tensile fracture of fiber-reinforced cementitious composites. Engineering Fracture Mechanics, 2021, 242, 107454.	2.0	16
141	Transverse Shear Stiffness of Composite Honeycomb Cores and Efficiency of Material. Mechanics of Advanced Materials and Structures, 2005, 12, 159-172.	1.5	15
142	Recycled aggregate concrete enhanced with polymer aluminium sulfate. Magazine of Concrete Research, 2015, 67, 496-502.	0.9	15
143	Low-cost, ubiquitous biomolecule as a strength enhancer for cement mortars. Construction and Building Materials, 2021, 311, 125305.	3.2	15
144	Dynamic Characteristics and Effective Stiffness Properties of Honeycomb Composite Sandwich Structures for Highway Bridge Applications. Journal of Composites for Construction, 2006, 10, 148-160.	1.7	14

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145	Homogenization and Optimization of Sinusoidal Honeycomb Cores for Transverse Shear Stiffness. <i>Journal of Sandwich Structures and Materials</i> , 2008, 10, 385-412.	2.0	14
146	On the waveletâ€“fractal nonlinear damage diagnosis of mechanical systems. <i>Smart Materials and Structures</i> , 2009, 18, 085022.	1.8	14
147	Local Delamination Buckling of Laminated Composite Beams Using Novel Joint Deformation Models. <i>Journal of Engineering Mechanics - ASCE</i> , 2010, 136, 541-550.	1.6	14
148	Mechanical Behavior and Size Sensitivity of Nanocrystalline Nickel Wires Using Molecular Dynamics Simulation. <i>Journal of Aerospace Engineering</i> , 2011, 24, 147-153.	0.8	14
149	Local Buckling Analysis of Restrained Orthotropic Plates under Generic In-Plane Loading. <i>Journal of Engineering Mechanics - ASCE</i> , 2013, 139, 936-951.	1.6	14
150	Dependence of chloride ion diffusivity on evolution of pore-structures in freeze-thawed shotcrete: Multiscale characterization and modeling. <i>Cement and Concrete Composites</i> , 2021, 123, 104222.	4.6	14
151	Buckling and free vibration analysis of shear deformable graphene-reinforced composite laminated plates. <i>Composite Structures</i> , 2022, 280, 114854.	3.1	14
152	Higher-Order Finite Strip Method for Postbuckling Analysis of Imperfect Composite Plates. <i>Journal of Engineering Mechanics - ASCE</i> , 2002, 128, 1008-1015.	1.6	13
153	Impact and Damage Prediction of Sandwich Beams with Flexible Core Considering Arbitrary Boundary Effects. <i>Journal of Sandwich Structures and Materials</i> , 2007, 9, 411-444.	2.0	13
154	Delamination identification of laminated composite plates using a continuum damage mechanics model and subset selection technique. <i>Smart Materials and Structures</i> , 2010, 19, 055024.	1.8	13
155	Post-buckling behavior of imperfect laminated composite plates with rotationally-restrained edges. <i>Composite Structures</i> , 2015, 125, 117-126.	3.1	13
156	Buckling analysis of bilayer beam-columns with an asymmetric delamination. <i>Composite Structures</i> , 2018, 188, 363-373.	3.1	13
157	Buckling of thin-walled I-section laminated composite curved beams. <i>Thin-Walled Structures</i> , 2020, 154, 106843.	2.7	13
158	On the Linear Viscoelasticity of Thin-Walled Laminated Composite Beams. <i>Journal of Composite Materials</i> , 2000, 34, 39-68.	1.2	12
159	Buckling analysis of laminated plate structures with elastic edges using a novel semi-analytical finite strip method. <i>Composite Structures</i> , 2016, 152, 85-95.	3.1	12
160	On the computation of energy release rates by a peridynamic virtual crack extension method. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2020, 363, 112883.	3.4	12
161	Improved buckling analysis of stiffened laminated composite plates by spline finite strip method. <i>Composite Structures</i> , 2021, 255, 112936.	3.1	12
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