

Pizhong Qiao

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

258
papers

6,752
citations

43
h-index

71
g-index

284
ext. papers

7,731
ext. citations

3.9
avg, IF

6.68
L-index

#	Paper	IF	Citations
258	A renewable admixture to enhance the performance of cement mortars through a pre-hydration method. <i>Journal of Cleaner Production</i> , 2022 , 332, 130095	10.3	1
257	Peridynamic modeling of elastic bimaterial interface fracture. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2022 , 390, 114458	5.7	1
256	Approximate closed-form solution for buckling of orthotropic plates with longitudinal edges elastically restrained against rotation. <i>Thin-Walled Structures</i> , 2022 , 172, 108688	4.7	
255	Buckling and free vibration analysis of shear deformable graphene-reinforced composite laminated plates. <i>Composite Structures</i> , 2022 , 280, 114854	5.3	2
254	Novel bi-layer beam elements for elastic fracture analysis of delaminated composite beams. <i>Engineering Fracture Mechanics</i> , 2022 , 108539	4.2	
253	Performance enhancement of silica fume blended mortars using bio-functionalized nano-silica. <i>Construction and Building Materials</i> , 2021 , 312, 125467	6.7	2
252	Low-cost, ubiquitous biomolecule as a strength enhancer for cement mortars. <i>Construction and Building Materials</i> , 2021 , 311, 125305	6.7	3
251	Thermo-mechanical modeling and characterization of three-phase shape memory alloy hybrid composites. <i>Smart Materials and Structures</i> , 2021 , 30, 015010	3.4	
250	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	8.6	6
249	Buckling and postbuckling of rotationally-restrained laminated composite plates under shear. <i>Thin-Walled Structures</i> , 2021 , 161, 107435	4.7	4
248	An axisymmetric ordinary state-based peridynamic model for thermal cracking of linear elastic solids. <i>Theoretical and Applied Fracture Mechanics</i> , 2021 , 112, 102888	3.7	1
247	Localization and size quantification of surface crack of concrete based on Rayleigh wave attenuation model. <i>Construction and Building Materials</i> , 2021 , 280, 122437	6.7	3
246	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	5.7	6
245	The closed-form solutions for buckling and postbuckling behaviour of anisotropic shear deformable laminated doubly-curved shells by matching method with the boundary layer of shell buckling. <i>Acta Mechanica</i> , 2021 , 232, 3277-3303	2.1	0
244	Nonlinear stability analysis of thin-walled I-section laminated composite curved beams with elastic end restraints. <i>Engineering Structures</i> , 2021 , 226, 111336	4.7	5
243	Improved buckling analysis of stiffened laminated composite plates by spline finite strip method. <i>Composite Structures</i> , 2021 , 255, 112936	5.3	6
242	Nanoindentation-based micromechanical characterisation of ultra-high-performance concrete exposed to freezing/thawing. <i>Magazine of Concrete Research</i> , 2021 , 1-15	2	3

241	A fully-discrete peridynamic modeling approach for tensile fracture of fiber-reinforced cementitious composites. <i>Engineering Fracture Mechanics</i> , 2021 , 242, 107454	4.2	8
240	An improved mesoscale damage model for quasi-brittle fracture analysis of concrete with ordinary state-based peridynamics. <i>Theoretical and Applied Fracture Mechanics</i> , 2021 , 112, 102829	3.7	5
239	Nonlinear vibration and dynamic instability analyses of laminated doubly curved panels in thermal environments. <i>Composite Structures</i> , 2021 , 267, 113434	5.3	0
238	CT image-based synthetic mesostructure generation for multiscale fracture analysis of concrete. <i>Construction and Building Materials</i> , 2021 , 296, 123582	6.7	1
237	Buckling and Postbuckling of Anisotropic Laminated Doubly Curved Panels under Lateral Pressure. <i>International Journal of Mechanical Sciences</i> , 2021 , 206, 106615	5.5	3
236	Tolerance Design of Multistage Aero-Engine Casing Assembly by Vibration Characteristic Evaluation. <i>Journal of Aerospace Engineering</i> , 2021 , 34, 04021064	1.4	0
235	Postbuckling analysis of orthogonally-stiffened plates by a simplified spline finite strip method. <i>Thin-Walled Structures</i> , 2021 , 166, 108122	4.7	0
234	A novel C1 continuity finite element based on Mindlin theory for doubly-curved laminated composite shells. <i>Thin-Walled Structures</i> , 2021 , 167, 108155	4.7	1
233	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	8.6	0
232	Buckling of partially-compressed laminated composite plates. <i>Thin-Walled Structures</i> , 2021 , 169, 108385	4.7	0
231	Actuating and sensing mechanism of embedded piezoelectric transducers in concrete. <i>Smart Materials and Structures</i> , 2020 , 29, 085020	3.4	3
230	A new semi-analytical method for nonlinear stability analysis of stiffened laminated composite doubly-curved shallow shells. <i>Composite Structures</i> , 2020 , 251, 112526	5.3	10
229	Buckling of thin-walled I-section laminated composite curved beams. <i>Thin-Walled Structures</i> , 2020 , 154, 106843	4.7	7
228	Microstructural Origins of Wave Modulus of Elasticity of Concrete. <i>Journal of Engineering Mechanics - ASCE</i> , 2020 , 146, 04020028	2.4	2
227	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	5.7	7
226	A novel semi-analytical method for buckling analysis of stiffened laminated composite plates. <i>Thin-Walled Structures</i> , 2020 , 148, 106575	4.7	8
225	Assessment of wave modulus of elasticity of concrete with surface-bonded piezoelectric transducers. <i>Construction and Building Materials</i> , 2020 , 242, 118033	6.7	7
224	A thermal-hydraulic-mechanical coupling model for Freezing process simulation of cementitious materials with entrained air voids. <i>Construction and Building Materials</i> , 2020 , 243, 118253	6.7	4

223	A two-dimensional ordinary state-based peridynamic model for elastic and fracture analysis. <i>Engineering Fracture Mechanics</i> , 2020 , 232, 107040	4.2	11
222	Direct Tension Test for Characterization of Tensile Behavior of Ultra-High Performance Concrete. <i>Journal of Testing and Evaluation</i> , 2020 , 48, 20170644	1	12
221	Microstructural crack segmentation of three-dimensional concrete images based on deep convolutional neural networks. <i>Construction and Building Materials</i> , 2020 , 253, 119185	6.7	28
220	Elastic local buckling of periodic sinusoidal corrugated composite panels subjected to in-plane shear. <i>Thin-Walled Structures</i> , 2020 , 157, 107134	4.7	3
219	Virtual crack closure technique in peridynamic theory. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2020 , 372, 113318	5.7	7
218	Post-fracture performance of laminated glass panels under consecutive hard body impacts. <i>Composite Structures</i> , 2020 , 254, 112777	5.3	9
217	Influence of Local Delamination on Assembly Variation Modeling of Laminated Composite Beams. <i>Journal of Aerospace Engineering</i> , 2020 , 33, 04020064	1.4	
216	A stability-enhanced peridynamic element to couple non-ordinary state-based peridynamics with finite element method for fracture analysis. <i>Finite Elements in Analysis and Design</i> , 2020 , 181, 103480	2.2	2
215	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	3	16
214	Nonlinear stability analysis of rotationally-restrained imperfect doubly-curved composite shallow shells. <i>Thin-Walled Structures</i> , 2019 , 142, 358-368	4.7	10
213	Durability of air-entrained shotcrete exposed to cyclic freezing and thawing effect. <i>Cold Regions Science and Technology</i> , 2019 , 164, 102778	3.8	5
212	Failure analysis of plates with singular and non-singular stress raisers by a coupled peridynamic model. <i>International Journal of Mechanical Sciences</i> , 2019 , 157-158, 446-456	5.5	14
211	Local buckling analysis of periodic sinusoidal corrugated composite panels under uniaxial compression. <i>Composite Structures</i> , 2019 , 220, 148-157	5.3	6
210	Peridynamic simulation of two-dimensional axisymmetric pull-out tests. <i>International Journal of Solids and Structures</i> , 2019 , 168, 41-57	3.1	18
209	Prediction of Restrained Shrinkage Cracking of Shotcrete Rings Using Fracture MechanicsBased Approach. <i>Journal of Materials in Civil Engineering</i> , 2019 , 31, 04019214	3	3
208	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	10	19
207	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	5.3	19
206	A new bond failure criterion for ordinary state-based peridynamic mode II fracture analysis. <i>International Journal of Fracture</i> , 2019 , 215, 105-128	2.3	39

205	Tensile behavior of ultra-high performance concrete: Analytical model and experimental validation. <i>Construction and Building Materials</i> , 2019 , 201, 842-851	6.7	17
204	A state-based peridynamic model for quantitative elastic and fracture analysis of orthotropic materials. <i>Engineering Fracture Mechanics</i> , 2019 , 206, 147-171	4.2	34
203	Strength nature of two-dimensional woven nanofabrics under biaxial tension. <i>International Journal of Damage Mechanics</i> , 2019 , 28, 367-379	3	0
202	Flexural behaviour of GFRP-encased concrete panels. <i>Magazine of Concrete Research</i> , 2018 , 70, 1265-1279		3
201	Buckling analysis of bilayer beam-columns with an asymmetric delamination. <i>Composite Structures</i> , 2018 , 188, 363-373	5.3	10
200	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	7.8	18
199	Microstructural damage characterization of concrete under freeze-thaw action. <i>International Journal of Damage Mechanics</i> , 2018 , 27, 1551-1568	3	33
198	Mixed mode fracture characterization of GFRP-concrete bonded interface using four-point single leg bending test. <i>Engineering Structures</i> , 2018 , 171, 647-657	4.7	8
197	An axisymmetric ordinary state-based peridynamic model for linear elastic solids. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2018 , 341, 517-550	5.7	23
196	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	3	40
195	Vibration analysis of sandwich plates with carbon nanotube-reinforced composite face-sheets. <i>Composite Structures</i> , 2018 , 200, 799-809	5.3	21
194	A state-based peridynamic model for quantitative fracture analysis. <i>International Journal of Fracture</i> , 2018 , 211, 217-235	2.3	40
193	Buckling analysis of steel jacking pipes embedded in elastic tensionless foundation based on spline finite strip method. <i>Thin-Walled Structures</i> , 2018 , 130, 449-457	4.7	2
192	Investigation on degradation of micromechanical properties of interfacial transition zone of ultra-high performance concrete under freeze-thaw cycles. <i>Zhongguo Kexue Jishu Kexue/Scientia Sinica Technologica</i> , 2018 , 48, 1092-1102	1.3	5
191	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	4.2	26
190	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	4.2	18
189	Durability of ultra-high performance concrete in tension under cold weather conditions. <i>Cement and Concrete Composites</i> , 2018 , 94, 94-106	8.6	30
188	Bond behavior of epoxy-coated rebar in ultra-high performance concrete. <i>Construction and Building Materials</i> , 2018 , 182, 406-417	6.7	24

187	Numerical analysis of I-Lam honeycomb sandwich panels for collision protection of reinforced concrete beams. <i>Journal of Sandwich Structures and Materials</i> , 2017 , 19, 497-522	2.1	6
186	Backward wave separation method in a single transmitter and multi-receiver sensor array for improved damage identification of two-dimensional structures. <i>International Journal of Damage Mechanics</i> , 2017 , 26, 229-250	3	5
185	Mixed mode fracture characterization of GFRP-concrete bonded interface using four-point asymmetric end-notched flexure test. <i>Theoretical and Applied Fracture Mechanics</i> , 2017 , 92, 155-166	3.7	9
184	Nonpenetrating Damage Identification Using Hybrid Lamb Wave Modes from Hilbert-Huang Spectrum in Thin-Walled Structures. <i>Shock and Vibration</i> , 2017 , 2017, 1-11	1.1	3
183	Effect of orthogonal stiffeners on the stability of axially compressed steel jacking pipe. <i>Journal of Shanghai Jiaotong University (Science)</i> , 2017 , 22, 536-540	0.6	
182	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	5.7	79
181	Design of steel pipe-jacking based on buckling analysis by finite strip method. <i>Engineering Structures</i> , 2017 , 132, 139-151	4.7	4
180	Shear bearing of cross-plate joints between diaphragm wall panels II: model tests and shear behaviour. <i>Magazine of Concrete Research</i> , 2016 , 68, 902-915	2	2
179	Semi-analytical solutions to buckling and free vibration analysis of carbon nanotube-reinforced composite thin plates. <i>Composite Structures</i> , 2016 , 144, 33-43	5.3	58
178	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	2.1	20
177	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	4.6	17
176	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	5.3	9
175	Shear bearing of cross-plate joints between diaphragm wall panels III: numerical analysis and prediction formula. <i>Magazine of Concrete Research</i> , 2016 , 68, 1025-1039	2	1
174	Energy release rate of beam-type fracture specimens with hygrothermal influence. <i>International Journal of Damage Mechanics</i> , 2016 , 25, 1214-1234	3	7
173	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	3.7	18
172	Recycled aggregate concrete enhanced with polymer aluminium sulfate. <i>Magazine of Concrete Research</i> , 2015 , 67, 496-502	2	12
171	Postbuckling of Buried Geodesically Stiffened Pipelines under Combined External Pressure and Axial Compression. <i>Journal of Aerospace Engineering</i> , 2015 , 28,	1.4	1
170	Special Issue on Urban Underground Space Development Technologies. <i>Journal of Aerospace Engineering</i> , 2015 , 28,	1.4	1

169	Vibration analysis of laminated composite plates with damage using the perturbation method. <i>Composites Part B: Engineering</i> , 2015 , 72, 160-174	10	24
168	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	5-3	19
167	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	3-4	33
166	Castigliano's Second Theorem for Deformation Determination of a Cracked Body. <i>Journal of Aerospace Engineering</i> , 2015 , 28, 06014006	1-4	0
165	Post-buckling behavior of imperfect laminated composite plates with rotationally-restrained edges. <i>Composite Structures</i> , 2015 , 125, 117-126	5-3	10
164	Shear buckling of rotationally-restrained composite laminated plates. <i>Thin-Walled Structures</i> , 2015 , 94, 147-154	4-7	17
163	An extended peridynamic approach for deformation and fracture analysis. <i>Engineering Fracture Mechanics</i> , 2015 , 141, 196-211	4-2	61
162	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	5-5	117
161	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	4-7	40
160	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	4-7	20
159	Nonlinear vibration analysis of geodesically-stiffened laminated composite cylindrical shells in an elastic medium. <i>Composite Structures</i> , 2014 , 111, 473-487	5-3	17
158	Nonlinear low-velocity impact analysis of temperature-dependent nanotube-reinforced composite plates. <i>Composite Structures</i> , 2014 , 108, 423-434	5-3	61
157	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	5-3	17
156	Experimental Investigation on FRP-to-Timber Bonded Interfaces. <i>Journal of Composites for Construction</i> , 2014 , 18,	3-3	26
155	Post-local-buckling of fiber-reinforced plastic composite structural shapes using discrete plate analysis. <i>Thin-Walled Structures</i> , 2014 , 84, 68-77	4-7	8
154	Analysis and remedial treatment of a steel pipe-jacking accident in complex underground environment. <i>Engineering Structures</i> , 2014 , 59, 210-219	4-7	30
153	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	2-2	22
152	On an exact bending curvature model for nonlinear free vibration analysis shear deformable anisotropic laminated beams. <i>Composite Structures</i> , 2014 , 108, 243-258	5-3	27

151	Lamb wave-based damage detection of composite shells using high-speed fiber-optic sensing 2014 ,		3
150	Lamb wave-based damage imaging method for damage detection of rectangular composite plates. <i>Structural Monitoring and Maintenance</i> , 2014 , 1, 411-425		1
149	Local Buckling Analysis of Restrained Orthotropic Plates under Generic In-Plane Loading. <i>Journal of Engineering Mechanics - ASCE</i> , 2013 , 139, 936-951	2.4	12
148	Cohesive Fracture and probabilistic damage analysis of freezing/thawing degradation of concrete. <i>Construction and Building Materials</i> , 2013 , 47, 879-887	6.7	26
147	Design of all-composite structures using fiber-reinforced polymer (FRP) composites 2013 , 469-508		1
146	Improved Mechanical Properties and Early-Age Shrinkage Resistance of Recycled Aggregate Concrete with Atomic Polymer Technology. <i>Journal of Materials in Civil Engineering</i> , 2013 , 25, 836-845	3	6
145	Special Section on Hydraulic and Earth Structures. <i>Journal of Aerospace Engineering</i> , 2013 , 26, 647-647	1.4	
144	Special Issue on Stability of Composite Structures. <i>Journal of Engineering Mechanics - ASCE</i> , 2013 , 139, 933-935	2.4	
143	Multiscale Performance Characterization of Concrete Formed by Controlled Permeability Formwork Liner. <i>Journal of Aerospace Engineering</i> , 2013 , 26, 684-697	1.4	2
142	Dynamics-based Damage Identification 2013 , 57-81		0
141	On the improved dynamic analysis of delaminated beams. <i>Journal of Sound and Vibration</i> , 2012 , 331, 1143-1163	3.9	20
140	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	7.8	32
139	On the intralaminar and interlaminar stress analysis of adhesive joints in plated beams. <i>International Journal of Adhesion and Adhesives</i> , 2012 , 36, 44-55	3.4	14
138	EXPLICIT LOCAL BUCKLING ANALYSIS OF ROTATIONALLY- AND VERTICALLY-RESTRAINED ORTHOTROPIC PLATES UNDER UNIAXIAL COMPRESSION. <i>International Journal of Structural Stability and Dynamics</i> , 2012 , 12, 1250038	1.9	6
137	Vibration-based Damage Identification Methods: A Review and Comparative Study. <i>Structural Health Monitoring</i> , 2011 , 10, 83-111	4.4	1168
136	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	3.2	49
135	Material property assessment and crack identification of recycled concrete with embedded smart cement modules 2011 ,		1
134	Damage and progressive failure of concrete structures using non-local peridynamic modeling. <i>Science China Technological Sciences</i> , 2011 , 54, 591-596	3.5	44

133	Fracture characterization of Carbon fiber-reinforced polymer-concrete bonded interfaces under four-point bending. <i>Engineering Fracture Mechanics</i> , 2011 , 78, 1247-1263	4.2	8
132	Buckling of delaminated bi-layer beam-columns. <i>International Journal of Solids and Structures</i> , 2011 , 48, 2485-2495	3.1	18
131	Explicit local buckling analysis of rotationally-restrained orthotropic plates under uniform shear. <i>Composite Structures</i> , 2011 , 93, 2785-2794	5.3	19
130	On the Compliance and Energy Release Rate of Generically-unified Beam-type Fracture Specimens. <i>Journal of Composite Materials</i> , 2011 , 45, 65-101	2.7	24
129	Finite Element Modeling and Analysis of FRP Composite Trough. <i>Advanced Materials Research</i> , 2011 , 243-249, 1233-1236	0.5	
128	Mechanical Behavior and Size Sensitivity of Nanocrystalline Nickel Wires Using Molecular Dynamics Simulation. <i>Journal of Aerospace Engineering</i> , 2011 , 24, 147-153	1.4	14
127	Mixed-Mode Fracture of Hybrid Material Bonded Interfaces under Four-Point Bending. <i>Journal of Aerospace Engineering</i> , 2011 , 24, 218-226	1.4	8
126	Crack Growth Resistance of Hybrid Fiber-Reinforced Cement Matrix Composites. <i>Journal of Aerospace Engineering</i> , 2011 , 24, 154-161	1.4	17
125	Local Delamination Buckling of Laminated Composite Beams Using Novel Joint Deformation Models. <i>Journal of Engineering Mechanics - ASCE</i> , 2010 , 136, 541-550	2.4	13
124	Electromechanical Behavior of Interface Deformable Piezoelectric Bilayer Beams. <i>Journal of Engineering Mechanics - ASCE</i> , 2010 , 136, 413-428	2.4	7
123	Flexural Fatigue and Reliability Analysis of Wood Flour/High-density Polyethylene Composites. <i>Journal of Reinforced Plastics and Composites</i> , 2010 , 29, 1295-1310	2.9	8
122	The Impact of Wenchuan Earthquake on Structures 2010 ,		4
121	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	3.4	11
120	High energy absorbing materials for blast resistant design 2010 , 88-119		3
119	Interaction between cracks and effect of microcrack zone on main crack tip. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2010 , 31, 67-76	3.2	3
118	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	4	21
117	Effects of overheight truck impacts on intermediate diaphragms in prestressed concrete bridge girders. <i>PCI Journal</i> , 2010 , 55, 58-78	2.1	7
116	On the wavelet-fractal nonlinear damage diagnosis of mechanical systems. <i>Smart Materials and Structures</i> , 2009 , 18, 085022	3.4	12

115	Improved hybrid wavelet neural network methodology for time-varying behavior prediction of engineering structures. <i>Neural Computing and Applications</i> , 2009 , 18, 821-832	4.8	21
114	Interface crack between two interface deformable piezoelectric layers. <i>International Journal of Fracture</i> , 2009 , 156, 185-201	2.3	18
113	Fatigue characterization and reliability analysis of wood flour filled polypropylene composites. <i>Polymer Composites</i> , 2009 , 31, NA-NA	3	2
112	Novel Laplacian scheme and multiresolution modal curvatures for structural damage identification. <i>Mechanical Systems and Signal Processing</i> , 2009 , 23, 1223-1242	7.8	54
111	Torsion of honeycomb FRP sandwich beams with a sinusoidal core configuration. <i>Composite Structures</i> , 2009 , 88, 97-111	5.3	14
110	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	3.1	37
109	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	3.1	116
108	Fast inverse identification of delamination of E-glass/epoxy laminated composite panels 2009 ,		1
107	Impact Mechanics and High-Energy Absorbing Materials: Review. <i>Journal of Aerospace Engineering</i> , 2008 , 21, 235-248	1.4	94
106	Impact Mechanics of Composite Materials for Aerospace Application. <i>Journal of Aerospace Engineering</i> , 2008 , 21, 117-118	1.4	4
105	Quasi-Static Indentation Behavior of Honeycomb Sandwich Materials and Its Application in Impact Simulations. <i>Journal of Aerospace Engineering</i> , 2008 , 21, 226-234	1.4	8
104	Quasi-static Crushing Behavior of Aluminum Honeycomb Materials. <i>Journal of Sandwich Structures and Materials</i> , 2008 , 10, 133-160	2.1	21
103	Vibration Analysis of Honeycomb FRP Sandwich Beams by a High Order Theory 2008 ,		1
102	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	3.4	47
101	Homogenization and Optimization of Sinusoidal Honeycomb Cores for Transverse Shear Stiffness. <i>Journal of Sandwich Structures and Materials</i> , 2008 , 10, 385-412	2.1	9
100	Impact Behavior and High-Energy Absorbing Materials. <i>Journal of Aerospace Engineering</i> , 2008 , 21, 195-196		
99	RETRACTION: Homogenization and Optimization of Sinusoidal Honeycomb Cores for Transverse Shear Stiffness. <i>Journal of Sandwich Structures and Materials</i> , 2008 , 10, 447-474	2.1	1
98	Damage detection of laminated composite beams with progressive wavelet transforms 2008 ,		2

97	Explicit local buckling analysis of rotationally restrained composite plates under uniaxial compression. <i>Engineering Structures</i> , 2008 , 30, 126-140	4.7	47
96	An improved adhesively bonded bi-material beam model for plated beams. <i>Engineering Structures</i> , 2008 , 30, 1949-1957	4.7	32
95	A Combined Static/Dynamic Technique for Damage Detection of Laminated Composite Plates. <i>Experimental Mechanics</i> , 2008 , 48, 17-35	2.6	19
94	Neural network committee-based sensitivity analysis strategy for geotechnical engineering problems. <i>Neural Computing and Applications</i> , 2008 , 17, 509-519	4.8	30
93	Optimization of transverse shear moduli for composite honeycomb cores. <i>Composite Structures</i> , 2008 , 85, 265-274	5.3	16
92	On irregularity-based damage detection method for cracked beams. <i>International Journal of Solids and Structures</i> , 2008 , 45, 688-704	3.1	37
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