# Pizhong Qiao

List of Publications by Year
in descending order

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Version: 2024-02-01

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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 | Multiscale modeling of damage and fracture in freeze-thawed shotcrete. International Journal of Damage Mechanics, 2022, 31, 142-162. | 2.4 | 4 |
| 2 | Buckling and free vibration analysis of shear deformable graphene-reinforced composite laminated plates. Composite Structures, 2022, 280, 114854. | 3.1 | 14 |
| 3 | Peridynamic modeling of elastic bimaterial interface fracture. Computer Methods in Applied Mechanics and Engineering, 2022, 390, 114458. | 3.4 | 21 |
| 4 | Approximate closed-form solution for buckling of orthotropic plates with longitudinal edges elastically restrained against rotation. Thin-Walled Structures, 2022, 172, 108688. | 2.7 | 1 |
| 5 | A renewable admixture to enhance the performance of cement mortars through a pre-hydration method. Journal of Cleaner Production, 2022, 332, 130095. | 4.6 | 26 |
| 6 | Novel bi-layer beam elements for elastic fracture analysis of delaminated composite beams. Engineering Fracture Mechanics, 2022, 269, 108539. | 2.0 | 1 |
| 7 | Nonlinear stability analysis of thin-walled I-section laminated composite curved beams with elastic end restraints. Engineering Structures, 2021, 226, 111336. | 2.6 | 9 |
| 8 | Improved buckling analysis of stiffened laminated composite plates by spline finite strip method. Composite Structures, 2021, 255, 112936. | 3.1 | 12 |
| 9 | Nanoindentation-based micromechanical characterisation of ultra-high-performance concrete exposed to freezingâ€“thawing. Magazine of Concrete Research, 2021, , 1-15. | 0.9 | 5 |
| 10 | A fully-discrete peridynamic modeling approach for tensile fracture of fiber-reinforced cementitious composites. Engineering Fracture Mechanics, 2021, 242, 107454. | 2.0 | 16 |
| 11 | 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 |
| 12 | Characterization of microstructural damage evolution of freeze-thawed shotcrete by an integrative micro-CT and nanoindentation statistical approach. Cement and Concrete Composites, 2021, 117, 103909. | 4.6 | 24 |
| 13 | Buckling and postbuckling of rotationally-restrained laminated composite plates under shear. Thin-Walled Structures, 2021, 161, 107435. | 2.7 | 8 |
| 14 | An axisymmetric ordinary state-based peridynamic model for thermal cracking of linear elastic solids. Theoretical and Applied Fracture Mechanics, 2021, 112, 102888. | 2.1 | 4 |
| 15 | Localization and size quantification of surface crack of concrete based on Rayleigh wave attenuation model. Construction and Building Materials, 2021, 280, 122437. | 3.2 | 19 |
| 16 | A new peridynamic mixed-mode bond failure model for interface delamination and homogeneous materials fracture analysis. Computer Methods in Applied Mechanics and Engineering, 2021, 379, 113728. | 3.4 | 23 |
| 17 | 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. Acta Mechanica, 2021, 232, 3277-3303. | 1.1 | 6 |
| 18 | Nonlinear vibration and dynamic instability analyses of laminated doubly curved panels in thermal environments. Composite Structures, 2021, 267, 113434. | 3.1 | 5 |

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| 19 | CT image-based synthetic mesostructure generation for multiscale fracture analysis of concrete. Construction and Building Materials, 2021, 296, 123582. | 3.2 | 12 |
| 20 | Buckling and Postbuckling of Anisotropic Laminated Doubly Curved Panels under Lateral Pressure. International Journal of Mechanical Sciences, 2021, 206, 106615. | 3.6 | 9 |
| 21 | Tolerance Design of Multistage Aero-Engine Casing Assembly by Vibration Characteristic Evaluation. Journal of Aerospace Engineering, 2021, 34, . | 0.8 | 5 |
| 22 | Postbuckling analysis of orthogonally-stiffened plates by a simplified spline finite strip method. Thin-Walled Structures, 2021, 166, 108122. | 2.7 | 4 |
| 23 | A novel C1 continuity finite element based on Mindlin theory for doubly-curved laminated composite shells. Thin-Walled Structures, 2021, 167, 108155. | 2.7 | 4 |
| 24 | Dependence of chloride ion diffusivity on evolution of pore-structures in freeze-thawed shotcrete: Multiscale characterization and modeling. Cement and Concrete Composites, 2021, 123, 104222. | 4.6 | 14 |
| 25 | Buckling of partially-compressed laminated composite plates. Thin-Walled Structures, 2021, 169, 108385. | 2.7 | 4 |
| 26 | Low-cost, ubiquitous biomolecule as a strength enhancer for cement mortars. Construction and Building Materials, 2021, 311, 125305. | 3.2 | 15 |
| 27 | Thermo-mechanical modeling and characterization of three-phase shape memory alloy hybrid composites. Smart Materials and Structures, 2021, 30, 015010. | 1.8 | 0 |
| 28 | Performance enhancement of silica fume blended mortars using bio-functionalized nano-silica. Construction and Building Materials, 2021, 312, 125467. | 3.2 | 21 |
| 29 | Micro-CT-based micromechanics and numerical homogenization for effective elastic property of ultra-high performance concrete. International Journal of Damage Mechanics, 2020, 29, 45-66. | 2.4 | 27 |
| 30 | Elastic local buckling of periodic sinusoidal corrugated composite panels subjected to in-plane shear. Thin-Walled Structures, 2020, 157, 107134. | 2.7 | 6 |
| 31 | Virtual crack closure technique in peridynamic theory. Computer Methods in Applied Mechanics and Engineering, 2020, 372, 113318. | 3.4 | 16 |
| 32 | Post-fracture performance of laminated glass panels under consecutive hard body impacts. Composite Structures, 2020, 254, 112777. | 3.1 | 17 |
| 33 | Influence of Local Delamination on Assembly Variation Modeling of Laminated Composite Beams. Journal of Aerospace Engineering, 2020, 33, . | 0.8 | 3 |
| 34 | A stability-enhanced peridynamic element to couple non-ordinary state-based peridynamics with finite element method for fracture analysis. Finite Elements in Analysis and Design, 2020, 181, 103480. | 1.7 | 7 |
| 35 | Actuating and sensing mechanism of embedded piezoelectric transducers in concrete. Smart Materials and Structures, 2020, 29, 085020. | 1.8 | 11 |
| 36 | A new semi-analytical method for nonlinear stability analysis of stiffened laminated composite doubly-curved shallow shells. Composite Structures, 2020, 251, 112526. | 3.1 | 21 |

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| 37 | Buckling of thin-walled I-section laminated composite curved beams. Thin-Walled Structures, 2020, 154, 106843. | 2.7 | 13 |
| 38 | Microstructural Origins of Wave Modulus of Elasticity of Concrete. Journal of Engineering Mechanics - ASCE, 2020, 146, . | 1.6 | 8 |
| 39 | On the computation of energy release rates by a peridynamic virtual crack extension method. Computer Methods in Applied Mechanics and Engineering, 2020, 363, 112883. | 3.4 | 12 |
| 40 | A novel semi-analytical method for buckling analysis of stiffened laminated composite plates. Thin-Walled Structures, 2020, 148, 106575. | 2.7 | 18 |
| 41 | Assessment of wave modulus of elasticity of concrete with surface-bonded piezoelectric transducers. Construction and Building Materials, 2020, 242, 118033. | 3.2 | 18 |
| 42 | A thermal-hydraulic-mechanical coupling model for freezing process simulation of cementitious materials with entrained air voids. Construction and Building Materials, 2020, 243, 118253. | 3.2 | 6 |
| 43 | A two-dimensional ordinary state-based peridynamic model for elastic and fracture analysis. Engineering Fracture Mechanics, 2020, 232, 107040. | 2.0 | 21 |
| 44 | Microstructural crack segmentation of three-dimensional concrete images based on deep convolutional neural networks. Construction and Building Materials, 2020, 253, 119185. | 3.2 | 45 |
| 45 | Direct Tension Test for Characterization of Tensile Behavior of Ultra-High Performance Concrete. Journal of Testing and Evaluation, 2020, 48, 2730-2749. | 0.4 | 31 |
| 46 | Prediction of Restrained Shrinkage Cracking of Shotcrete Rings Using Fracture Mechanicsâ€“Based Approach. Journal of Materials in Civil Engineering, 2019, 31, 04019214. | 1.3 | 5 |
| 47 | On the modeling of tensile behavior of ultra-high performance fiber-reinforced concrete with freezing-thawing actions. Composites Part B: Engineering, 2019, 174, 106983. | 5.9 | 32 |
| 48 | Nonlinear stability analysis of rotationally-restrained imperfect doubly-curved composite shallow shells. Thin-Walled Structures, 2019, 142, 358-368. | 2.7 | 11 |
| 49 | Durability of air-entrained shotcrete exposed to cyclic freezing and thawing effect. Cold Regions Science and Technology, 2019, 164, 102778. | 1.6 | 11 |
| 50 | 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 |
| 51 | Local buckling analysis of periodic sinusoidal corrugated composite panels under uniaxial compression. Composite Structures, 2019, 220, 148-157. | 3.1 | 10 |
| 52 | Peridynamic simulation of two-dimensional axisymmetric pull-out tests. International Journal of Solids and Structures, 2019, 168, 41-57. | 1.3 | 23 |
| 53 | A two-dimensional elasticity model for bending and free vibration analysis of laminated graphene-reinforced composite beams. Composite Structures, 2019, 211, 364-375. | 3.1 | 33 |
| 54 | A new bond failure criterion for ordinary state-based peridynamic mode II fracture analysis. International Journal of Fracture, 2019, 215, 105-128. | 1.1 | 56 |

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| 55 | Tensile behavior of ultra-high performance concrete: Analytical model and experimental validation. Construction and Building Materials, 2019, 201, 842-851. | 3.2 | 40 |
| 56 | A state-based peridynamic model for quantitative elastic and fracture analysis of orthotropic materials. Engineering Fracture Mechanics, 2019, 206, 147-171. | 2.0 | 54 |
| 57 | Strength nature of two-dimensional woven nanofabrics under biaxial tension. International Journal of Damage Mechanics, 2019, 28, 367-379. | 2.4 | 2 |
| 58 | Flexural behaviour of GFRP-encased concrete panels. Magazine of Concrete Research, 2018, 70, 1265-1279. | 0.9 | 4 |
| 59 | Buckling analysis of bilayer beam-columns with an asymmetric delamination. Composite Structures, 2018, 188, 363-373. | 3.1 | 13 |
| 60 | A new surface fractal dimension for displacement mode shape-based damage identification of plate-type structures. Mechanical Systems and Signal Processing, 2018, 103, 139-161. | 4.4 | 31 |
| 61 | Microstructural damage characterization of concrete under freeze-thaw action. International Journal of Damage Mechanics, 2018, 27, 1551-1568. | 2.4 | 50 |
| 62 | An extended state-based peridynamic model for damage growth prediction of bimaterial structures under thermomechanical loading. Engineering Fracture Mechanics, 2018, 189, 81-97. | 2.0 | 40 |
| 63 | A coupled peridynamic strength and fracture criterion for open-hole failure analysis of plates under tensile load. Engineering Fracture Mechanics, 2018, 204, 103-118. | 2.0 | 24 |
| 64 | Durability of ultra-high performance concrete in tension under cold weather conditions. Cement and Concrete Composites, 2018, 94, 94-106. | 4.6 | 48 |
| 65 | Bond behavior of epoxy-coated rebar in ultra-high performance concrete. Construction and Building Materials, 2018, 182, 406-417. | 3.2 | 48 |
| 66 | Mixed mode fracture characterization of GFRP-concrete bonded interface using four-point single leg bending test. Engineering Structures, 2018, 171, 647-657. | 2.6 | 8 |
| 67 | An axisymmetric ordinary state-based peridynamic model for linear elastic solids. Computer Methods in Applied Mechanics and Engineering, 2018, 341, 517-550. | 3.4 | 31 |
| 68 | Microstructural damage evolution and its effect on fracture behavior of concrete subjected to freeze-thaw cycles. International Journal of Damage Mechanics, 2018, 27, 1272-1288. | 2.4 | 58 |
| 69 | Vibration analysis of sandwich plates with carbon nanotube-reinforced composite face-sheets. Composite Structures, 2018, 200, 799-809. | 3.1 | 40 |
| 70 | A state-based peridynamic model for quantitative fracture analysis. International Journal of Fracture, 2018, 211, 217-235. | 1.1 | 62 |
| 71 | Buckling analysis of steel jacking pipes embedded in elastic tensionless foundation based on spline finite strip method. Thin-Walled Structures, 2018, 130, 449-457. | 2.7 | 6 |
| 72 | Investigation on degradation of micromechanical properties of interfacial transition zone of ultra-high performance concrete under freeze-thaw cycles. Zhongguo Kexue Jishu Kexue/Scientia Sinica Technologica, 2018, 48, 1092-1102. | 0.3 | 5 |

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| 73 | Numerical analysis of I-Lam honeycomb sandwich panels for collision protection of reinforced concrete beams. Journal of Sandwich Structures and Materials, 2017, 19, 497-522. | 2.0 | 9 |
| 74 | Backward wave separation method in a single transmitter and multi-receiver sensor array for improved damage identification of two-dimensional structures. International Journal of Damage Mechanics, 2017, 26, 229-250. | 2.4 | 5 |
| 75 | Special Issue on Health Monitoring Technologies for Civil Infrastructure. Journal of Aerospace Engineering, 2017, 30, . | 0.8 | 1 |
| 76 | 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 |
| 77 | Effect of orthogonal stiffeners on the stability of axially compressed steel jacking pipe. Journal of Shanghai Jiaotong University (Science), 2017, 22, 536-540. | 0.5 | 0 |
| 78 | Modeling of dynamic responses of CNT-reinforced composite cylindrical shells under impact loads. Computer Methods in Applied Mechanics and Engineering, 2017, 313, 889-903. | 3.4 | 93 |
| 79 | Design of steel pipe-jacking based on buckling analysis by finite strip method. Engineering Structures, 2017, 132, 139-151. | 2.6 | 8 |
| 80 | Nonpenetrating Damage Identification Using Hybrid Lamb Wave Modes from Hilbert-Huang Spectrum in Thin-Walled Structures. Shock and Vibration, 2017, 2017, 1-11. | 0.3 | 5 |
| 81 | Buckling analysis of laminated plate structures with elastic edges using a novel semi-analytical finite strip method. Composite Structures, 2016, 152, 85-95. | 3.1 | 12 |
| 82 | Shear bearing of cross-plate joints between diaphragm wall panels â€“ II: numerical analysis and prediction formula. Magazine of Concrete Research, 2016, 68, 1025-1039. | 0.9 | 1 |
| 83 | Energy release rate of beam-type fracture specimens with hygrothermal influence. International Journal of Damage Mechanics, 2016, 25, 1214-1234. | 2.4 | 10 |
| 84 | Shear bearing of cross-plate joints between diaphragm wall panels â€“ I: model tests and shear behaviour. Magazine of Concrete Research, 2016, 68, 902-915. | 0.9 | 2 |
| 85 | Advanced Materials and Designs for Hydraulic, Earth, and Aerospace Structures. , 2016, , . | | 0 |
| 86 | Advanced Materials and Designs for Hydraulic, Earth, and Aerospace Structures. , 2016, , . | | 0 |
| 87 | Semi-analytical solutions to buckling and free vibration analysis of carbon nanotube-reinforced composite thin plates. Composite Structures, 2016, 144, 33-43. | 3.1 | 78 |
| 88 | Free vibration analysis of fiber-reinforced polymer honeycomb sandwich beams with a refined sandwich beam theory. Journal of Sandwich Structures and Materials, 2016, 18, 242-260. | 2.0 | 26 |
| 89 | Application of soft-thresholding on the decomposed Lamb wave signals for damage detection of plate-like structures. Measurement: Journal of the International Measurement Confederation, 2016, 88, 417-427. | 2.5 | 21 |
| 90 | Numerical Analysis of Honeycomb Sandwich Collision Protection Systems for RC Beams. , 2015, , . | | 0 |

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| 91 | Castiglianoâ€™s Second Theorem for Deformation Determination of a Cracked Body. Journal of Aerospace Engineering, 2015, 28, . | 0.8 | 1 |
| 92 | Post-buckling behavior of imperfect laminated composite plates with rotationally-restrained edges. Composite Structures, 2015, 125, 117-126. | 3.1 | 13 |
| 93 | Shear buckling of rotationally-restrained composite laminated plates. Thin-Walled Structures, 2015, 94, 147-154. | 2.7 | 18 |
| 94 | An extended peridynamic approach for deformation and fracture analysis. Engineering Fracture Mechanics, 2015, 141, 196-211. | 2.0 | 96 |
| 95 | An improved peridynamic approach for quasi-static elastic deformation and brittle fracture analysis. International Journal of Mechanical Sciences, 2015, 94-95, 111-122. | 3.6 | 179 |
| 96 | Buckling and postbuckling behavior of shear deformable anisotropic laminated beams with initial geometric imperfections subjected to axial compression. Engineering Structures, 2015, 85, 277-292. | 2.6 | 53 |
| 97 | An improved four-parameter model with consideration of Poissonâ€™s effect on stress analysis of adhesive joints. Engineering Structures, 2015, 88, 203-215. | 2.6 | 24 |
| 98 | Thermal postbuckling analysis of anisotropic laminated beams with different boundary conditions resting on two-parameter elastic foundations. European Journal of Mechanics, A/Solids, 2015, 54, 30-43. | 2.1 | 19 |
| 99 | Recycled aggregate concrete enhanced with polymer aluminium sulfate. Magazine of Concrete Research, 2015, 67, 496-502. | 0.9 | 15 |
| 100 | Postbuckling of Buried Geodesically Stiffened Pipelines under Combined External Pressure and Axial Compression. Journal of Aerospace Engineering, 2015, 28, . | 0.8 | 3 |
| 101 | Special Issue on Urban Underground Space Development Technologies. Journal of Aerospace Engineering, 2015, 28, . | 0.8 | 1 |
| 102 | Vibration analysis of laminated composite plates with damage using the perturbation method. Composites Part B: Engineering, 2015, 72, 160-174. | 5.9 | 28 |
| 103 | Buckling and postbuckling of anisotropic laminated cylindrical shells under combined external pressure and axial compression in thermal environments. Composite Structures, 2015, 119, 709-726. | 3.1 | 22 |
| 104 | Probabilistic damage modeling and service-life prediction of concrete under freezeâ€“thaw action. Materials and Structures/Materiaux Et Constructions, 2015, 48, 2697-2711. | 1.3 | 56 |
| 105 | Elastic Buckling Analysis of Steel Pipe-Jacking Embedded in the Winkler Foundation. , 2014, , . | | 1 |
| 106 | Lamb wave-based damage detection of composite shells using high-speed fiber-optic sensing. Proceedings of SPIE, 2014, , . | 0.8 | 3 |
| 107 | Nonlinear vibration analysis of geodesically-stiffened laminated composite cylindrical shells in an elastic medium. Composite Structures, 2014, 111, 473-487. | 3.1 | 21 |
| 108 | Nonlinear low-velocity impact analysis of temperature-dependent nanotube-reinforced composite plates. Composite Structures, 2014, 108, 423-434. | 3.1 | 83 |

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| 109 | Buckling analysis of restrained orthotropic plates under combined in-plane shear and axial loads and its application to web local buckling. Composite Structures, 2014, 111, 540-552. | 3.1 | 22 |
| 110 | Experimental Investigation on FRP-to-Timber Bonded Interfaces. Journal of Composites for Construction, 2014, 18, . | 1.7 | 38 |
| 111 | Post-local-buckling of fiber-reinforced plastic composite structural shapes using discrete plate analysis. Thin-Walled Structures, 2014, 84, 68-77. | 2.7 | 8 |
| 112 | Analysis and remedial treatment of a steel pipe-jacking accident in complex underground environment. Engineering Structures, 2014, 59, 210-219. | 2.6 | 37 |
| 113 | Post-buckling analysis of composite plates under combined compression and shear loading using finite strip method. Finite Elements in Analysis and Design, 2014, 83, 33-42. | 1.7 | 23 |
| 114 | On an exact bending curvature model for nonlinear free vibration analysis shear deformable anisotropic laminated beams. Composite Structures, 2014, 108, 243-258. | 3.1 | 31 |
| 115 | Lamb wave-based damage imaging method for damage detection of rectangular composite plates. Structural Monitoring and Maintenance, 2014, 1, 411-425. | 1.7 | 2 |
| 116 | Local Buckling Analysis of Restrained Orthotropic Plates under Generic In-Plane Loading. Journal of Engineering Mechanics - ASCE, 2013, 139, 936-951. | 1.6 | 14 |
| 117 | Cohesive fracture and probabilistic damage analysis of freezingâ€“thawing degradation of concrete. Construction and Building Materials, 2013, 47, 879-887. | 3.2 | 32 |
| 118 | Design of all-composite structures using fiber-reinforced polymer (FRP) composites. , 2013, , 469-508. | | 2 |
| 119 | Improved Mechanical Properties and Early-Age Shrinkage Resistance of Recycled Aggregate Concrete with Atomic Polymer Technology. Journal of Materials in Civil Engineering, 2013, 25, 836-845. | 1.3 | 9 |
| 120 | Special Section on Hydraulic and Earth Structures. Journal of Aerospace Engineering, 2013, 26, 647-647. | 0.8 | 0 |
| 121 | Special Issue on Stability of Composite Structures. Journal of Engineering Mechanics - ASCE, 2013, 139, 933-935. | 1.6 | 0 |
| 122 | Multiscale Performance Characterization of Concrete Formed by Controlled Permeability Formwork Liner. Journal of Aerospace Engineering, 2013, 26, 684-697. | 0.8 | 3 |
| 123 | Dynamics-based Damage Identification. , 2013, , 57-81. | | 1 |
| 124 | EXPLICIT LOCAL BUCKLING ANALYSIS OF ROTATIONALLY- AND VERTICALLY-RESTRAINED ORTHOTROPIC PLATES UNDER UNIAXIAL COMPRESSION. International Journal of Structural Stability and Dynamics, 2012, 12, 1250038. | 1.5 | 8 |
| 125 | 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 |
| 126 | On the improved dynamic analysis of delaminated beams. Journal of Sound and Vibration, 2012, 331, 1143-1163. | 2.1 | 22 |

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| 127 | A strain energy-based damage severity correction factor method for damage identification in plate-type structures. Mechanical Systems and Signal Processing, 2012, 28, 660-678. | 4.4 | 34 |
| 128 | Vibration-based Damage Identification Methods: A Review and Comparative Study. Structural Health Monitoring, 2011, 10, 83-111. | 4.3 | 1,511 |
| 129 | Molecular dynamics evaluation of strain rate and size effects on mechanical properties of FCC nickel nanowires. Computational Materials Science, 2011, 50, 903-910. | 1.4 | 60 |
| 130 | Material property assessment and crack identification of recycled concrete with embedded smart cement modules. Proceedings of SPIE, 2011, , . | 0.8 | 1 |
| 131 | Damage and progressive failure of concrete structures using non-local peridynamic modeling. Science China Technological Sciences, 2011, 54, 591-596. | 2.0 | 58 |
| 132 | Fracture characterization of Carbon fiber-reinforced polymer-concrete bonded interfaces under four-point bending. Engineering Fracture Mechanics, 2011, 78, 1247-1263. | 2.0 | 11 |
| 133 | Buckling of delaminated bi-layer beam-columns. International Journal of Solids and Structures, 2011, 48, 2485-2495. | 1.3 | 19 |
| 134 | Explicit local buckling analysis of rotationally-restrained orthotropic plates under uniform shear. Composite Structures, 2011, 93, 2785-2794. | 3.1 | 23 |
| 135 | Finite element modeling and analysis of composite coverboards. , 2011, , . | | 0 |
| 136 | On the Compliance and Energy Release Rate of Generically-unified Beam-type Fracture Specimens. Journal of Composite Materials, 2011, 45, 65-101. | 1.2 | 28 |
| 137 | Mechanical Behavior and Size Sensitivity of Nanocrystalline Nickel Wires Using Molecular Dynamics Simulation. Journal of Aerospace Engineering, 2011, 24, 147-153. | 0.8 | 14 |
| 138 | Mixed-Mode Fracture of Hybrid Material Bonded Interfaces under Four-Point Bending. Journal of Aerospace Engineering, 2011, 24, 218-226. | 0.8 | 11 |
| 139 | Crack Growth Resistance of Hybrid Fiber-Reinforced Cement Matrix Composites. Journal of Aerospace Engineering, 2011, 24, 154-161. | 0.8 | 29 |
| 140 | Interaction between cracks and effect of microcrack zone on main crack tip. Applied Mathematics and Mechanics (English Edition), 2010, 31, 67-76. | 1.9 | 3 |
| 141 | Analysis of cushion systems for impact protection design of bridges against overheight vehicle collision. International Journal of Impact Engineering, 2010, 37, 1220-1228. | 2.4 | 26 |
| 142 | On the Study of Interface Crack in Layered Piezoelectric Structures. , 2010, , . | | 0 |
| 143 | Local Delamination Buckling of Laminated Composite Beams Using Novel Joint Deformation Models. Journal of Engineering Mechanics - ASCE, 2010, 136, 541-550. | 1.6 | 14 |
| 144 | Electromechanical Behavior of Interface Deformable Piezoelectric Bilayer Beams. Journal of Engineering Mechanics - ASCE, 2010, 136, 413-428. | 1.6 | 7 |

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| 145 | Flexural Fatigue and Reliability Analysis of Wood Flour/High-density Polyethylene Composites. Journal of Reinforced Plastics and Composites, 2010, 29, 1295-1310. | 1.6 | 10 |
| 146 | Equivalent Uniformly-Distributed Live Load on Two-Way Slabs. , 2010, , . | | 0 |
| 147 | The Impact of Wenchuan Earthquake on Structures. , 2010, , . | | 4 |
| 148 | Delamination identification of laminated composite plates using a continuum damage mechanics model and subset selection technique. Smart Materials and Structures, 2010, 19, 055024. | 1.8 | 13 |
| 149 | High energy absorbing materials for blast resistant design. , 2010, , 88-119. | | 7 |
| 150 | Effects of overheight truck impacts on intermediate diaphragms in prestressed concrete bridge girders. PCI Journal, 2010, 55, 58-78. | 0.4 | 8 |
| 151 | Analysis of Unified Beam-Type Fracture Specimens. , 2010, , . | | 0 |
| 152 | On the waveletâ€“fractal nonlinear damage diagnosis of mechanical systems. Smart Materials and Structures, 2009, 18, 085022. | 1.8 | 14 |
| 153 | Improved hybrid wavelet neural network methodology for time-varying behavior prediction of engineering structures. Neural Computing and Applications, 2009, 18, 821-832. | 3.2 | 23 |
| 154 | Interface crack between two interface deformable piezoelectric layers. International Journal of Fracture, 2009, 156, 185-201. | 1.1 | 18 |
| 155 | Fatigue characterization and reliability analysis of wood flour filled polypropylene composites. Polymer Composites, 2009, 31, NA-NA. | 2.3 | 10 |
| 156 | Novel Laplacian scheme and multiresolution modal curvatures for structural damage identification. Mechanical Systems and Signal Processing, 2009, 23, 1223-1242. | 4.4 | 67 |
| 157 | Torsion of honeycomb FRP sandwich beams with a sinusoidal core configuration. Composite Structures, 2009, 88, 97-111. | 3.1 | 16 |
| 158 | Debonding analysis of FRPâ€“concrete interface between two balanced adjacent flexural cracks in plated beams. International Journal of Solids and Structures, 2009, 46, 2618-2628. | 1.3 | 42 |
| 159 | A 2-D continuous wavelet transform of mode shape data for damage detection of plate structures. International Journal of Solids and Structures, 2009, 46, 4379-4395. | 1.3 | 145 |
| 160 | Fast inverse identification of delamination of E-glass/epoxy laminated composite panels. , 2009, , . | | 1 |
| 161 | Explicit local buckling analysis of rotationally restrained composite plates under uniaxial compression. Engineering Structures, 2008, 30, 126-140. | 2.6 | 52 |
| 162 | An improved adhesively bonded bi-material beam model for plated beams. Engineering Structures, 2008, 30, 1949-1957. | 2.6 | 39 |

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| 163 | A Combined Static/Dynamic Technique for Damage Detection of Laminated Composite Plates. Experimental Mechanics, 2008, 48, 17-35. | 1.1 | 21 |
| 164 | Neural network committee-based sensitivity analysis strategy for geotechnical engineering problems. Neural Computing and Applications, 2008, 17, 509-519. | 3.2 | 36 |
| 165 | Optimization of transverse shear moduli for composite honeycomb cores. Composite Structures, 2008, 85, 265-274. | 3.1 | 21 |
| 166 | On irregularity-based damage detection method for cracked beams. International Journal of Solids and Structures, 2008, 45, 688-704. | 1.3 | 44 |
| 167 | Waveform fractal dimension for mode shape-based damage identification of beam-type structures. International Journal of Solids and Structures, 2008, 45, 5946-5961. | 1.3 | 70 |
| 168 | Cohesive fracture simulation and failure modes of FRPâ€“concrete bonded interfaces. Theoretical and Applied Fracture Mechanics, 2008, 49, 213-225. | 2.1 | 61 |
| 169 | Impact Mechanics and High-Energy Absorbing Materials: Review. Journal of Aerospace Engineering, 2008, 21, 235-248. | 0.8 | 115 |
| 170 | Impact Mechanics of Composite Materials for Aerospace Application. Journal of Aerospace Engineering, 2008, 21, 117-118. | 0.8 | 4 |
| 171 | Quasi-Static Indentation Behavior of Honeycomb Sandwich Materials and Its Application in Impact Simulations. Journal of Aerospace Engineering, 2008, 21, 226-234. | 0.8 | 9 |
| 172 | Quasi-static Crushing Behavior of Aluminum Honeycomb Materials. Journal of Sandwich Structures and Materials, 2008, 10, 133-160. | 2.0 | 30 |
| 173 | Vibration Analysis of Honeycomb FRP Sandwich Beams by a High Order Theory. , 2008, , . | | 1 |
| 174 | Interface Stress Distribution in FRP-Strengthened Concrete Beams. , 2008, , . | | 0 |
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