Liyong Tong

List of Publications by Year
in descending order

216 papers	6,811 citations	61857 43 h-index	91712 69 g-index
219 all docs	219 docs citations	219 times ranked	3964 citing authors

#	Article	IF	Citations
1	Optimal design of thin laminate plates for efficient airflow in ventilation via buckling. Thin-Walled Structures, 2022, 170, 108582.	2.7	3
2	A machine learning-assisted structural optimization scheme for fast-tracking topology optimization. Structural and Multidisciplinary Optimization, 2022, 65, 1.	1.7	4
3	Failure characteristics of composite metallic foam core hat-shaped tubular T-joints under static and impact loading. Thin-Walled Structures, 2022, 174, 109064.	2.7	3
4	Concurrent optimization of topologies and fiber orientations for laminated composite structures. Composite Structures, 2022, 295, 115749.	3.1	8
5	Hierarchical honeycomb graphene aerogels reinforced by carbon nanotubes with multifunctional mechanical and electrical properties. Carbon, 2021, 175, 312-321.	5.4	37
6	N-doped reduced graphene oxide (rGO) wrapped carbon microfibers as binder-free electrodes for flexible fibre supercapacitors and sodium-ion batteries. Journal of Energy Storage, 2021, 37, 102453.	3.9	22
7	Theoretical prediction for effective properties and progressive failure of textile composites: a generalized multi-scale approach. Acta Mechanica Sinica/Lixue Xuebao, 2021, 37, 1222-1244.	1.5	17
8	Concurrent topology optimization of cellular structures and anisotropic materials. Computers and Structures, 2021, 255, 106624.	2.4	15
9	Topology optimization of compliant mechanisms and structures subjected to design-dependent pressure loadings. Structural and Multidisciplinary Optimization, 2021, 63, 1889-1906.	1.7	10
10	Analysis and test of a novel pre-compressed cruciform energy harvester. Sensors and Actuators A: Physical, 2020, 302, 111807.	2.0	2
11	A new analytical method for progressive failure analysis of two-dimensional triaxially braided composites. Composites Science and Technology, 2020, 186, 107936.	3.8	23
12	Mechanical properties of helically twisted carbyne fibers. International Journal of Mechanical Sciences, 2020, 186, 105823.	3.6	6
13	Layout optimization of viscoelastic damping for noise control of mid-frequency vibro-acoustic systems. Structural and Multidisciplinary Optimization, 2020, 62, 667-684.	1.7	4
14	Failure of single hat-shaped thin-walled tubular composite T-joints under impact loading. Thin-Walled Structures, 2020, 154, 106815.	2.7	12
15	Core-shell structured graphene aerogels with multifunctional mechanical, thermal and electromechanical properties. Carbon, 2020, 162, 365-374.	5.4	23
16	High grafting strength from chemically bonded 2D layered material onto carbon microfibres for reinforced composites and ultra-long flexible cable electronic devices. Materials Today Communications, 2020, 24, 100994.	0.9	2
17	Electrical resistivity response of unidirectional thin-ply carbon fiber reinforced polymers. Composite Structures, 2019, 228, 111342.	3.1	13
18	Multi-objective and multi-constraint design optimization for hat-shaped composite T-joints in automobiles. Thin-Walled Structures, 2019, 143, 106232.	2.7	21

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19	Moisture diffusion and damage characteristics of carbon fabric reinforced polyamide 6 laminates under hydrothermal aging. Composites Part A: Applied Science and Manufacturing, 2019, 123, 242-252.	3.8	25
20	Concurrent optimization design of axial shape and cross-sectional topology for beam structures. Structural and Multidisciplinary Optimization, 2019, 59, 2287-2302.	1.7	3
21	Damping Design of Flexible Structures With Graded Materials Under Harmonic Loading. Journal of Vibration and Acoustics, Transactions of the ASME, 2018, 140, .	1.0	5
22	Bending behavior of single hat-shaped composite T-joints under out-of-plane loading for lightweight automobile structures. Journal of Reinforced Plastics and Composites, 2018, 37, 808-823.	1.6	13
23	Effects of post-welding cooling rate on strength of TCW joints: An experimental and numerical investigation. International Journal of Adhesion and Adhesives, 2018, 82, 114-125.	1.4	6
24	Dynamic topology optimization design of rotating beam cross-section with gyroscopic effects. Structural and Multidisciplinary Optimization, 2018, 58, 1467-1487.	1.7	12
25	Design of periodic unit cell in cellular materials with extreme properties using topology optimization. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2018, 232, 852-869.	0.7	4
26	Topology optimization of nonlinear structures with damping under arbitrary dynamic loading. Structural and Multidisciplinary Optimization, 2018, 57, 759-774.	1.7	6
27	Optimal Design of Bi- and Multi-Stable Compliant Cellular Structures. , 2018, , .		0
28	Effects of grafting strength and density on interfacial shear strength of carbon nanotube grafted carbon fibre reinforced composites. Composites Science and Technology, 2018, 168, 195-202.	3.8	23
29	Analytical Approach. , 2018, , 665-700.		1
30	Effect of hygrothermal conditioning on the energy release rate and failure mechanism of metal only adherend-glass fibre prepreg co-cured single lap joints. Journal of Adhesion Science and Technology, 2017, 31, 2219-2233.	1.4	0
31	A thermodynamics viscoelastic constitutive model for shape memory polymers. Journal of Alloys and Compounds, 2017, 705, 146-155.	2.8	24
32	A novel algorithm using an orthotropic material model for topology optimization. Engineering Optimization, 2017, 49, 1523-1540.	1.5	1
33	Maximizing modal damping in layered structures via multi-objective topology optimization. Engineering Structures, 2017, 132, 637-647.	2.6	24
34	In-situ direct grafting of graphene quantum dots onto carbon fibre by low temperature chemical synthesis for high performance flexible fabric supercapacitor. Materials Today Communications, 2017, 10, 112-119.	0.9	44
35	Concurrent topology design of structure and material using a two-scale topology optimization. Computers and Structures, 2017, 178, 119-128.	2.4	69
36	A deformation mechanism based material model for topology optimization of laminated composite plates and shells. Composite Structures, 2017, 159, 246-256.	3.1	10

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37	Analytical Approach. , 2017, , 1-36.		0
38	Multimodal Vibration Control of Photo-Electric Laminated Thin Cylindrical Shells Via Self-Organizing Fuzzy Sliding Mode Control. Journal of Vibration and Acoustics, Transactions of the ASME, 2016, 138, .	1.0	11
39	Design of multi-layered porous fibrous metals for optimal sound absorption in the low frequency range. Theoretical and Applied Mechanics Letters, 2016, 6, 42-48.	1.3	23
40	A study of mechanical peeling behavior in a junction assembled by two individual carbon nanotubes. Carbon, 2016, 107, 651-657.	5.4	9
41	Elimination of the Effects of Low Density Elements in Topology Optimization of Buckling Structures. International Journal of Computational Methods, 2016, 13, 1650041.	0.8	6
42	Structural topology optimization considering connectivity constraint. Structural and Multidisciplinary Optimization, 2016, 54, 971-984.	1.7	95
43	Suspended monolayer graphene traps high-speed single-walled carbon nanotube. Carbon, 2016, 107, 689-695.	5.4	20
44	Effects of hygrothermal and ambient humidity conditioning on shear strength of metalâ€“GFRP single lap joints co-cured in and out of water. International Journal of Adhesion and Adhesives, 2016, 68, 305-316.	1.4	12
45	Topology optimization of incompressible materials based on the mixed SBFEM. Computers and Structures, 2016, 165, 24-33.	2.4	6
46	Effects of short carbon fibres and nanoparticles on mechanical, thermal and shape memory properties of SMP hybrid nanocomposites. Composites Part B: Engineering, 2016, 90, 152-159.	5.9	36
47	Influence of pinning on static strength of co-cured metal-GFRP hybrid single lap joints. Composites Part A: Applied Science and Manufacturing, 2016, 84, 196-208.	3.8	27
48	A bridging law and its application to the analysis of toughness of carbon nanotube-reinforced composites and pull-out of fibres grafted with nanotubes. Archive of Applied Mechanics, 2016, 86, 361-373.	1.2	8
49	An algorithm for eradicating the effects of void elements on structural topology optimization for nonlinear compliance. Structural and Multidisciplinary Optimization, 2016, 53, 695-714.	1.7	30
50	Grafting carbon nanotubes directly onto carbon fibers for superior mechanical stability: Towards next generation aerospace composites and energy storage applications. Carbon, 2016, 96, 701-710.	5.4	205
51	Closed-form Formulas for Adhesion Energy of Blister Tests Under Pressure and Point Load. Journal of Adhesion, 2016, 92, 171-193.	1.8	5
52	Solutions for Clamped Adhesively Bonded Single Lap Joint With Movement of Support End and Its Application to a Carbon Nanotube Junction in Tension. Journal of Adhesion, 2016, 92, 349-379.	1.8	10
53	H-DGTPâ€”a Heaviside-function based directional growth topology parameterization for design optimization of stiffener layout and height of thin-walled structures. Structural and Multidisciplinary Optimization, 2015, 52, 903-913.	1.7	46
54	Finite element formulations and algorithms for coupled multiphysics analysis of 0-1 and 0-3 polarized PLZT actuators. International Journal of Applied Electromagnetics and Mechanics, 2015, 49, 513-530.	0.3	5

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55	Optimal Designs for Vibrating Structures Using a Moving Isosurface Threshold Method With Experimental Study. Journal of Vibration and Acoustics, Transactions of the ASME, 2015, 137, .	1.0	11
56	Effects of initial blister radius and shaft diameter on energy release rate of metalâ€“polymer composite coating. International Journal of Adhesion and Adhesives, 2015, 62, 107-123.	1.4	15
57	2D fracture analysis of magnetoelectroelastic composites by the SBFEM. Composite Structures, 2015, 132, 984-994.	3.1	18
58	A mixed SBFEM for stress singularities in nearly incompressible multi-materials. Computers and Structures, 2015, 157, 19-30.	2.4	7
59	Structural topology optimization for maximum linear buckling loads by using a moving iso-surface threshold method. Structural and Multidisciplinary Optimization, 2015, 52, 71-90.	1.7	26
60	Effect of temperature on magnetic fieldâ€“induced response of Ni-Mn-Ga single crystals. Journal of Intelligent Material Systems and Structures, 2015, 26, 2395-2410.	1.4	3
61	Shape memory and thermo-mechanical properties of shape memory polymer/carbon fiber composites. Composites Part A: Applied Science and Manufacturing, 2015, 76, 162-171.	3.8	77
62	Design and testing for shape control of piezoelectric structures using topology optimization. Engineering Structures, 2015, 97, 90-104.	2.6	34
63	Tensile failure mechanisms of individual junctions assembled by two carbon nanotubes. Composites Science and Technology, 2015, 110, 159-165.	3.8	9
64	An identification method for enclosed voids restriction in manufacturability design for additive manufacturing structures. Frontiers of Mechanical Engineering, 2015, 10, 126-137.	2.5	113
65	Macroscopic response of Niâ€“Mnâ€“Ga single crystals considering the effects of residual reorientation strain and temperature. Journal of Intelligent Material Systems and Structures, 2014, 25, 1566-1584.	1.4	2
66	Molecular dynamic simulation of oblique pullout of carbon nanotube from resin. Computational Materials Science, 2014, 83, 504-512.	1.4	10
67	Mechanical characteristics of individual multi-layer graphene-oxide sheets under direct tensile loading. Carbon, 2014, 80, 279-289.	5.4	39
68	The role of grafting force and surface wettability in interfacial enhancement of carbon nanotube/carbon fiber hierarchical composites. Carbon, 2014, 69, 239-246.	5.4	128
69	Theoretical prediction and experimental verification of pulling carbon nanotubes from carbon fiber prepared by chemical grafting method. Composites Part A: Applied Science and Manufacturing, 2013, 50, 1-10.	3.8	31
70	Macroscopic Mechanical Characterization of SMAs Fiber-Reinforced Hybrid Composite Under Uniaxial Loading. Journal of Materials Engineering and Performance, 2013, 22, 3055-3062.	1.2	7
71	Topology-Optimized Design and Testing of a Pressure-Driven Morphing-Aerofoil Trailing-Edge Structure. AIAA Journal, 2013, 51, 1898-1907.	1.5	33
72	Experimental and numerical investigation on the macroscopic mechanical behavior of shape memory alloy hybrid composite with weak interface. Composite Structures, 2013, 101, 301-312.	3.1	53

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73	Analytic formulas of energy release rates for delamination using a globalâ€“local method. International Journal of Solids and Structures, 2012, 49, 3335-3344.	1.3	17
74	Laminated plate formulation for photostrictive actuators and sensors. Journal of Composite Materials, 2012, 46, 557-573.	1.2	2
75	Interfacial shear behavior of 3D composites reinforced with CNT-grafted carbon fibers. Composites Part A: Applied Science and Manufacturing, 2012, 43, 1410-1418.	3.8	35
76	MD simulation of carbon nanotube pullout behavior and its use in determining mode I delamination toughness. Computational Materials Science, 2012, 55, 356-364.	1.4	35
77	Design and Testing of Pressurized Cellular Planar Morphing Structures. AIAA Journal, 2012, 50, 1328-1338.	1.5	44
78	Multifunctional behaviors of an indium tin oxide/PbLa(ZrTi)O3/indium tin oxide wafer illuminated by ultraviolet light. Journal of Intelligent Material Systems and Structures, 2012, 23, 765-774.	1.4	13
79	Realization of Morphing Wings: A Multidisciplinary Challenge. Journal of Aircraft, 2012, 49, 11-28.	1.7	130
80	Direct measurement of grafting strength between an individual carbon nanotube and a carbon fiber. Carbon, 2012, 50, 3782-3788.	5.4	44
81	Validation and enhancements for the localised experimentalâ€“numerical technique. Composites Part B: Engineering, 2012, 43, 2359-2374.	5.9	0
82	A pullout model for inclined carbon nanotube. Mechanics of Materials, 2012, 52, 28-39.	1.7	13
83	An experimental study on mode I and II fracture toughness of laminates stitched with a one-sided stitching technique. Composites Part A: Applied Science and Manufacturing, 2011, 42, 203-210.	3.8	36
84	Molecular Dynamic Simulation of Sword-Sheath Extraction Behavior in CNT Reinforced Composite. Polymers and Polymer Composites, 2011, 19, 113-118.	1.0	3
85	A localised experimentalâ€“numerical technique for determining mixed mode strain energy release rates. Composite Structures, 2011, 94, 132-142.	3.1	5
86	Combined optimization of bi-material structural layout and voltage distribution for in-plane piezoelectric actuation. Computer Methods in Applied Mechanics and Engineering, 2011, 200, 1467-1478.	3.4	42
87	Shape morphing of laminated composite structures with photostrictive actuators via topology optimization. Composite Structures, 2011, 93, 406-418.	3.1	30
88	Structural topology optimization with implicit design variableâ€”optimality and algorithm. Finite Elements in Analysis and Design, 2011, 47, 922-932.	1.7	45
89	A variational principle and finite element formulation for multi-physics PLZT ceramics. Mechanics Research Communications, 2011, 38, 198-202.	1.0	10
90	Ultraviolet-light-induced multi-physics behaviors of 0â€“3 polarized transparent PLZT plates: I. Experimental testing. Smart Materials and Structures, 2011, 20, 115004.	1.8	10

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91	Ultraviolet-light-induced multi-physics behaviors of 0â€“3 polarized transparent PLZT plates: II. Finite element analysis and validation. Smart Materials and Structures, 2011, 20, 115005.	1.8	5
92	3D Model of Coupled Multi-physics Fields for PLZT Ceramics and Its Applications to Photostrictive Plates. Journal of Intelligent Material Systems and Structures, 2011, 22, 17-30.	1.4	8
93	A new multi-objective programming scheme for topology optimization of compliant mechanisms. Structural and Multidisciplinary Optimization, 2010, 40, 241-255.	1.7	39
94	The effect of stitch incline angle on mode I fracture toughness â€“ Experimental and modelling. Composite Structures, 2010, 92, 1620-1630.	3.1	19
95	Multi-physics field models of photostrictive unimorphs and heterogeneous bimorphs subjected to light illumination and mechanical loading. International Journal of Solids and Structures, 2010, 47, 2006-2016.	1.3	11
96	Calculation of Energy Release Rates for Cohesive and Interlaminar Delamination Based on the Classical Beam-adhesive Model. Journal of Composite Materials, 2009, 43, 331-348.	1.2	15
97	Constitutive Modeling of Photostrictive Materials and Design Optimization of Microcantilevers. Journal of Intelligent Material Systems and Structures, 2009, 20, 1425-1438.	1.4	18
98	Analytical solutions for nonlinear analysis of composite single-lap adhesive joints. International Journal of Adhesion and Adhesives, 2009, 29, 144-154.	1.4	48
99	Design of piezoelectric actuators using a multiphase level set method of piecewise constants. Journal of Computational Physics, 2009, 228, 2643-2659.	1.9	133
100	Shape and topology optimization for electrothermomechanical microactuators using level set methods. Journal of Computational Physics, 2009, 228, 3173-3181.	1.9	37
101	A level set method for structural shape and topology optimization using radial basis functions. Computers and Structures, 2009, 87, 425-434.	2.4	100
102	Traction law for inclined through-thickness reinforcement using a geometrical approach. Composite Structures, 2009, 88, 558-569.	3.1	17
103	Energy release rates for interlaminar delamination in laminates considering transverse shear effects. Composite Structures, 2009, 89, 235-244.	3.1	30
104	Experimental validation of theoretical traction law for inclined through-thickness reinforcement. Composite Structures, 2009, 91, 148-157.	3.1	11
105	Constitutive equations for 0-3 polarized PLZT actuators. International Journal of Solids and Structures, 2009, 46, 4313-4321.	1.3	32
106	Fracture Prediction of Adhesively Bonded Structures Using Energy Release Rates. Journal of Adhesion Science and Technology, 2009, 23, 1415-1440.	1.4	11
107	Failure of Stitched Composite L-Joints Under Tensile Loading â€" Experiment and Simulation. Journal of Reinforced Plastics and Composites, 2009, 28, 715-742.	1.6	21
108	Design of distributed compliant micromechanisms with an implicit free boundary representation. Structural and Multidisciplinary Optimization, 2008, 36, 607-621.	1.7	12

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109	A level set method for shape and topology optimization of largeâ€displacement compliant mechanisms. International Journal for Numerical Methods in Engineering, 2008, 76, 862-892.	1.5	74
110	A semi-implicit level set method for structural shape and topology optimization. Journal of Computational Physics, 2008, 227, 5561-5581.	1.9	111
111	Theoretical investigation on wireless vibration control of thin beams using photostrictive actuators. Journal of Sound and Vibration, 2008, 312, 182-194.	2.1	38
112	Numerical investigation on multiphase coupling heat conduction with subcooling boiling boundary conditions and effect of shape during quenching process. Journal of Materials Processing Technology, 2008, 203, 86-94.	3.1	1
113	A new level set method for systematic design of hinge-free compliant mechanisms. Computer Methods in Applied Mechanics and Engineering, 2008, 198, 318-331.	3.4	120
114	Topology optimization-based distribution design of actuation voltage in static shape control of plates. Computers and Structures, 2008, 86, 1885-1893.	2.4	55
115	Effective properties for plain weave composites through-thickness reinforced with carbon nanotube forests. Composite Structures, 2008, 84, 1-10.	3.1	10
116	Analytical solutions for adhesive composite joints considering large deflection and transverse shear deformation in adherends. International Journal of Solids and Structures, 2008, 45, 5914-5935.	1.3	38
117	Simultaneous optimization of control parameters and configurations of PZT actuators for morphing structural shapes. Finite Elements in Analysis and Design, 2008, 44, 417-424.	1.7	14
118	Effect of Long Multi-walled Carbon Nanotubes on Delamination Toughness of Laminated Composites. Journal of Composite Materials, 2008, 42, 5-23.	1.2	57
119	Integrated Optimization of Material Layout and Control Voltage for Piezoelectric Laminated Plates. Journal of Intelligent Material Systems and Structures, 2008, 19, 889-904.	1.4	71
120	Closed Form Solutions for Nonlinear Analysis of Single-Sided Bonded Composite Patch Repairs. AIAA Journal, 2007, 45, 2957-2965.	1.5	5
121	Experimental and Analytical Identification of a Delamination Using Isolated PZT Sensor and Actuator Patches. Journal of Composite Materials, 2007, 41, 477-492.	1.2	9
122	A segment based sequential least squares algorithm with optimum energy control for tracking the dynamic shapes of smart structures. Smart Materials and Structures, 2007, 16, 1517-1526.	1.8	3
123	Bending effect of through-thickness reinforcement rods on mode II delamination toughness of ENF specimen: Elastic and rigidâ€“perfectly plastic analyses. Composites Part A: Applied Science and Manufacturing, 2007, 38, 323-336.	3.8	8
124	A New ENF Test Specimen for the Mode II Delamination Toughness Testing of Stitched Woven CFRP Laminates. Journal of Composite Materials, 2007, 41, 1743-1772.	1.2	25
125	Evolutionary piezoelectric actuators design optimisation for static shape control of smart plates. Computer Methods in Applied Mechanics and Engineering, 2007, 197, 47-60.	3.4	17
126	The effect of stitch distribution on Mode I delamination toughness of stitched laminated composites â€“ experimental results and FEA simulation. Composites Science and Technology, 2007, 67, 1058-1072.	3.8	58

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127	Modeling of wireless remote shape control for beams using nonlinear photostrictive actuators. International Journal of Solids and Structures, 2007, 44, 672-684.	1.3	36
128	Fully-coupled nonlinear analysis of single lap adhesive joints. International Journal of Solids and Structures, 2007, 44, 2349-2370.	1.3	76
129	Shape and topology optimization of compliant mechanisms using a parameterization level set method. Journal of Computational Physics, 2007, 227, 680-705.	1.9	178
130	Three-dimensional constitutive equations for Niâ€“Mnâ€“Ga single crystals. Journal of Magnetism and Magnetic Materials, 2007, 313, 214-229.	1.0	16
131	High precision shape control of plates using orthotropic piezoelectric actuators. Finite Elements in Analysis and Design, 2006, 42, 1009-1020.	1.7	31
132	Precise time integration for linear two-point boundary value problems. Applied Mathematics and Computation, 2006, 175, 182-211.	1.4	14
133	A parametric study on the design of stitched laminated DCB specimens. Composite Structures, 2006, 75, 72-78.	3.1	10
134	A sequential linear least square algorithm for tracking dynamic shapes of smart structures. International Journal for Numerical Methods in Engineering, 2006, 67, 66-88.	1.5	8
135	Multiple Delamination Detection of a Composite Beam Using Magnetostrictive Patch. AIAA Journal, 2006, 44, 2547-2551.	1.5	8
136	Thermomechanically coupled sensitivity analysis and design optimization of functionally graded materials. Computer Methods in Applied Mechanics and Engineering, 2005, 194, 1891-1911.	3.4	45
137	Effective optimisation of continuum topologies through a multi-GA system. Computer Methods in Applied Mechanics and Engineering, 2005, 194, 3416-3437.	3.4	19
138	Modelling of magneto-mechanical behaviour of Niâ€“Mnâ€“Ga single crytals. Journal of Magnetism and Magnetic Materials, 2005, 292, 394-412.	1.0	51
139	Improved genetic algorithm for design optimization of truss structures with sizing, shape and topology variables. International Journal for Numerical Methods in Engineering, 2005, 62, 1737-1762.	1.5	127
140	Formulation of reference surface element and its applications in dynamic analysis of delaminated composite beams. Composite Structures, 2005, 68, 481-490.	3.1	10
141	Optimal Voltage Design for Static Shape Control of Smart Structures with Nonlinear Piezoelectric Actuators. Journal of Reinforced Plastics and Composites, 2005, 24, 355-372.	1.6	4
142	Static shape control of repetitive structures integrated with piezoelectric actuators. Smart Materials and Structures, 2005, 14, 1410-1420.	1.8	2
143	Design optimization of piezoelectric actuator patterns for static shape control of smart plates. Smart Materials and Structures, 2005, 14, 1353-1362.	1.8	40
144	Energy Optimization in Local Shape Control of Structures with Nonlinear Peizoelectric Actuators. AIAA Journal, 2005, 43, 2210-2217.	1.5	5

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145	Delamination Detection of Composite Beams Using Piezoelectric Sensors with Evenly Distributed Electrode Strips. Journal of Composite Materials, 2004, 38, 321-352.	1.2	20
146	Curvature Effect on Fracture Toughness of Cracked Cylindrical Shells Bonded with Patches. AIAA Journal, 2004, 42, 2585-2591.	1.5	8
147	Fracture toughness analysis of inclined crack in cylindrical shell repaired with bonded composite patch. Composite Structures, 2004, 66, 639-645.	3.1	11
148	Adhesive element modelling and weighted static shape control of composite plates with piezoelectric actuator patches. International Journal for Numerical Methods in Engineering, 2004, 60, 1911-1932.	1.5	5
149	A compressional-shear model for vibration control of beams with active constrained layer damping. International Journal of Mechanical Sciences, 2004, 46, 1307-1325.	3.6	19
150	An equivalent model for smart beams with debonded piezoelectric patches. Journal of Sound and Vibration, 2004, 276, 933-956.	2.1	6
151	An incremental algorithm for static shape control of smart structures with nonlinear piezoelectric actuators. International Journal of Solids and Structures, 2004, 41, 2277-2292.	1.3	27
152	Linear and higher order displacement theories for adhesively bonded lap joints. International Journal of Solids and Structures, 2004, 41, 6351-6381.	1.3	39
153	Bending effect of through-thickness reinforcement rods on mode I delamination toughness of DCB specimen. I. Linearly elastic and rigid-perfectly plastic models. International Journal of Solids and Structures, 2004, 41, 6831-6852.	1.3	31
154	Effect of stitch distribution on mode I delamination toughness of laminated DCB specimens. Composites Science and Technology, 2004, 64, 967-981.	3.8	43
155	Shape control of smart composite plate with non-rectangular piezoelectric actuators. Composite Structures, 2004, 66, 207-214.	3.1	32
156	Identification of delamination in a composite beam using integrated piezoelectric sensor/actuator layer. Composite Structures, 2004, 66, 391-398.	3.1	23
157	TRANSIENT HEAT TRANSFER ANALYSIS OF FUNCTIONALLY GRADED MATERIALS USING ADAPTIVE PRECISE TIME INTEGRATION AND GRADED FINITE ELEMENTS. Numerical Heat Transfer, Part B: Fundamentals, 2004, 45, 181-200.	0.6	34
158	Static shape control of structures using nonlinear piezoelectric actuators with energy constraints. Smart Materials and Structures, 2004, 13, 1059-1068.	1.8	20
159	A delamination detection model for composite beams using PFRC sensor/actuator. Composites Part A: Applied Science and Manufacturing, 2004, 35, 231-247.	3.8	11
160	Knowledge-based algorithms in fixed-grid GA shape optimization. International Journal for Numerical Methods in Engineering, 2003, 58, 643-660.	1.5	11
161	Shape optimization of bonded patch to cylindrical shell structures. International Journal for Numerical Methods in Engineering, 2003, 58, 793-820.	1.5	7
162	Effect of debonding in active constrained layer damping patches on hybrid control of smart beams. International Journal of Solids and Structures, 2003, 40, 1633-1651.	1.3	13

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163	Closed-loop based detection of debonding of piezoelectric actuator patches in controlled beams. International Journal of Solids and Structures, 2003, 40, 2449-2471.	1.3	30
164	Exact dynamic solutions to piezoelectric smart beams including peel stresses Part II: Numerical results, comparison and approximate solution. International Journal of Solids and Structures, 2003, 40, 4813-4836.	1.3	6
165	Exact dynamic solutions to piezoelectric smart beams including peel stresses I: Theory and application. International Journal of Solids and Structures, 2003, 40, 4789-4812.	1.3	23
166	Nonlinear stress analysis for bonded patch to curved thin-walled structures. International Journal of Adhesion and Adhesives, 2003, 23, 349-364.	1.4	28
167	Optimum Control Voltage Design for Constrained Static Shape Control of Piezoelectric Structures. AIAA Journal, 2003, 41, 2444-2450.	1.5	12
168	A Micro-Electromechanics Model for the 3-D PFRC Materials. Journal of Composite Materials, 2002, 36, 127-141.	1.2	18
169	Modeling for the electro-magneto-thermo-elastic properties of piezoelectric-magnetic fiber reinforced composites. Composites Part A: Applied Science and Manufacturing, 2002, 33, 631-645.	3.8	68
170	Effect of Yarn Waviness on Strength of 3D Orthogonal Woven CFRP Composite Materials. Journal of Reinforced Plastics and Composites, 2002, 21, 153-173.	1.6	21
171	Investigation of loading assumptions on the effective electroelastic constants for PFRC materials. Composite Structures, 2002, 57, 101-108.	3.1	8
172	A one-dimensional model for non-linear behaviour of piezoelectric composite materials. Composite Structures, 2002, 58, 551-561.	3.1	23
173	Failure of adhesive bonded composite lap shear joints with embedded precrack. Composites Science and Technology, 2002, 62, 1079-1095.	3.8	64
174	Modeling and analysis of curved beams with debonded piezoelectric sensor/actuator patches. International Journal of Mechanical Sciences, 2002, 44, 1755-1777.	3.6	19
175	Exact static solutions to piezoelectric smart beams including peel stresses. International Journal of Solids and Structures, 2002, 39, 4677-4695.	1.3	47
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