Qing Li

List of Publications by Year
in descending order

785 papers	37,053 citations	1799 103 h-index	6836 155 g-index
800 all docs	800 docs citations	800 times ranked	29946 citing authors

#	Article	IF	Citations
1	Active and Selective Conversion of CO_2 to CO on Ultrathin Au Nanowires. Journal of the American Chemical Society, 2014, 136, 16132-16135.	13.7	784
2	Promotion of oxygen reduction by a bio-inspired tethered iron phthalocyanine carbon nanotube-based catalyst. Nature Communications, 2013, 4, 2076.	12.8	630
3	Tuning Sn-Catalysis for Electrochemical Reduction of CO_2 to CO via the Core/Shell Cu/SnO_2 Structure. Journal of the American Chemical Society, 2017, 139, 4290-4293.	13.7	553
4	Biofabrication: reappraising the definition of an evolving field. Biofabrication, 2016, 8, 013001.	7.1	523
5	Organic Phase Syntheses of Magnetic Nanoparticles and Their Applications. Chemical Reviews, 2016, 116, 10473-10512.	47.7	492
6	Biofabrication: A Guide to Technology and Terminology. Trends in Biotechnology, 2018, 36, 384-402.	9.3	465
7	Medical image classification with convolutional neural network. , 2014, , .		419
8	Graphene/Graphene‐Tube Nanocomposites Templated from Cage‐Containing Metal‐Organic Frameworks for Oxygen Reduction in Li‐O_2 Batteries. Advanced Materials, 2014, 26, 1378-1386.	21.0	398
9	New Approach to Fully Ordered fct-FePt Nanoparticles for Much Enhanced Electrocatalysis in Acid. Nano Letters, 2015, 15, 2468-2473.	9.1	385
10	Cu-based nanocatalysts for electrochemical reduction of CO2. Nano Today, 2018, 21, 41-54.	11.9	374
11	Nanocarbon Electrocatalysts for Oxygen Reduction in Alkaline Media for Advanced Energy Conversion and Storage. Advanced Energy Materials, 2014, 4, 1301415.	19.5	351
12	Gut microbiota modulation: a novel strategy for prevention and treatment of colorectal cancer. Oncogene, 2020, 39, 4925-4943.	5.9	321
13	On design optimization for structural crashworthiness and its state of the art. Structural and Multidisciplinary Optimization, 2017, 55, 1091-1119.	3.5	312
14	Fe Stabilization by Intermetallic $L1_0$-FePt and Pt Catalysis Enhancement in $L1_0$-FePt/Pt Nanoparticles for Efficient Oxygen Reduction Reaction in Fuel Cells. Journal of the American Chemical Society, 2018, 140, 2926-2932.	13.7	312
15	Stable Cobalt Nanoparticles and Their Monolayer Array as an Efficient Electrocatalyst for Oxygen Evolution Reaction. Journal of the American Chemical Society, 2015, 137, 7071-7074.	13.7	299
16	A New Core/Shell NiAu/Au Nanoparticle Catalyst with Pt-like Activity for Hydrogen Evolution Reaction. Journal of the American Chemical Society, 2015, 137, 5859-5862.	13.7	274
17	Electrochemical DNAzyme Sensor for Lead Based on Amplification of DNA‐Au Bio-Bar Codes. Analytical Chemistry, 2008, 80, 6323-6328.	6.5	263
18	Multiobjective optimization for crash safety design of vehicles using stepwise regression model. Structural and Multidisciplinary Optimization, 2008, 35, 561-569.	3.5	262

#	ARTICLE	IF	CITATIONS
19	Crashworthiness design for functionally graded foam-filled thin-walled structures. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 527, 1911-1919.	5.6	262
20	High-Loading Cobalt Oxide Coupled with Nitrogen-Doped Graphene for Oxygen Reduction in Anion-Exchange-Membrane Alkaline Fuel Cells. Journal of Physical Chemistry C, 2013, 117, 8697-8707.	3.1	251
21	Crashing analysis and multiobjective optimization for thin-walled structures with functionally graded thickness. International Journal of Impact Engineering, 2014, 64, 62-74.	5.0	245
22	Design optimization of regular hexagonal thin-walled columns with crashworthiness criteria. Finite Elements in Analysis and Design, 2007, 43, 555-565.	3.2	239
23	Graphene and its composites with nanoparticles for electrochemical energy applications. Nano Today, 2014, 9, 668-683.	11.9	230
24	On design of multi-cell tubes under axial and oblique impact loads. Thin-Walled Structures, 2015, 95, 115-126.	5.3	221
25	Crashworthiness analysis and design of multi-cell hexagonal columns under multiple loading cases. Finite Elements in Analysis and Design, 2015, 104, 89-101.	3.2	220
26	NiFe (Oxy) Hydroxides Derived from NiFe Disulfides as an Efficient Oxygen Evolution Catalyst for Rechargeable Zn–Air Batteries: The Effect of Surface S Residues. Advanced Materials, 2018, 30, e1800757.	21.0	219
27	Atomically Dispersed Fe–N$_x$/C Electrocatalyst Boosts Oxygen Catalysis via a New Metal–Organic Polymer Supramolecule Strategy. Advanced Energy Materials, 2018, 8, 1801226.	19.5	216
28	Multiobjective optimization of multi-cell sections for the crashworthiness design. International Journal of Impact Engineering, 2008, 35, 1355-1367.	5.0	211
29	Metal–Organic Framework–Derived Bamboo–like Nitrogen–Doped Graphene Tubes as an Active Matrix for Hybrid Oxygen–Reduction Electrocatalysts. Small, 2015, 11, 1443-1452.	10.0	209
30	Controlled assembly of Cu nanoparticles on pyridinic-N rich graphene for electrochemical reduction of CO_2 to ethylene. Nano Energy, 2016, 24, 1-9.	16.0	199
31	Experimental study on crashworthiness of empty/aluminum foam/honeycomb-filled CFRP tubes. Composite Structures, 2016, 152, 969-993.	5.8	193
32	Experimental and numerical study on honeycomb sandwich panels under bending and in-panel compression. Materials and Design, 2017, 133, 154-168.	7.0	193
33	Crashworthiness optimization of foam-filled tapered thin-walled structure using multiple surrogate models. Structural and Multidisciplinary Optimization, 2013, 47, 221-231.	3.5	192
34	Dynamic crash responses of bio-inspired aluminum honeycomb sandwich structures with CFRP panels. Composites Part B: Engineering, 2017, 121, 122-133.	12.0	190
35	Joint Inventory Replenishment and Pricing Control for Systems with Uncertain Yield and Demand. Operations Research, 2006, 54, 696-705.	1.9	187
36	Crashworthiness design of vehicle by using multiobjective robust optimization. Structural and Multidisciplinary Optimization, 2011, 44, 99-110.	3.5	187

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37	Energy absorption of metal, composite and metal/composite hybrid structures under oblique crushing loading. International Journal of Mechanical Sciences, 2018, 135, 458-483.	6.7	187
38	Crashworthiness design for foam filled thin-wall structures. Materials & Design, 2009, 30, 2024-2032.	5.1	186
39	Lightweight design of carbon twill weave fabric composite body structure for electric vehicle. Composite Structures, 2013, 97, 231-238.	5.8	186
40	Dynamic crashing behavior of new extrudable multi-cell tubes with a functionally graded thickness. International Journal of Mechanical Sciences, 2015, 103, 63-73.	6.7	186
41	Time-Dependent Reliability Analysis Through Response Surface Method. Journal of Mechanical Design, Transactions of the ASME, 2017, 139, .	2.9	185
42	On design of multi-cell thin-wall structures for crashworthiness. International Journal of Impact Engineering, 2016, 88, 102-117.	5.0	180
43	Crashworthiness of vertex based hierarchical honeycombs in out-of-plane impact. Materials and Design, 2016, 110, 705-719.	7.0	176
44	Shape and topology design for heat conduction by Evolutionary Structural Optimization. International Journal of Heat and Mass Transfer, 1999, 42, 3361-3371.	4.8	175
45	Parameterization of criss-cross configurations for multiobjective crashworthiness optimization. International Journal of Mechanical Sciences, 2017, 124-125, 145-157.	6.7	174
46	Morphology-Dependent Performance of CuO Anodes via Facile and Controllable Synthesis for Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2014, 6, 1243-1250.	8.0	172
47	Typicality-Based Collaborative Filtering Recommendation. IEEE Transactions on Knowledge and Data Engineering, 2014, 26, 766-779.	5.7	168
48	On hierarchical honeycombs under out-of-plane crushing. International Journal of Solids and Structures, 2018, 135, 1-13.	2.7	168
49	Design of bionic-bamboo thin-walled structures for energy absorption. Thin-Walled Structures, 2019, 135, 400-413.	5.3	168
50	A variational level set method for the topology optimization of steady-state Navierâ€"Stokes flow. Journal of Computational Physics, 2008, 227, 10178-10195.	3.8	167
51	Electrochemistry at micro- and nanoscopic liquid/liquid interfaces. Chemical Society Reviews, 2011, 40, 2236.	38.1	167
52	On design of multi-functional microstructural materials. Journal of Materials Science, 2013, 48, 51-66.	3.7	164
53	Optimization of foam-filled bitubal structures for crashworthiness criteria. Materials & Design, 2012, 38, 99-109.	5.1	162
54	Controlled synthesis of micro/nanostructured CuO anodes for lithium-ion batteries. Nano Energy, 2014, 9, 334-344.	16.0	161

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55	Core–shell structured hollow SnO2–polypyrrole nanocomposite anodes with enhanced cyclic performance for lithium-ion batteries. Nano Energy, 2014, 6, 73-81.	16.0	160
56	Precious metal-free approach to hydrogen electrocatalysis for energy conversion: From mechanism understanding to catalyst design. Nano Energy, 2017, 42, 69-89.	16.0	157
57	Building emotional dictionary for sentiment analysis of online news. World Wide Web, 2014, 17, 723-742.	4.0	150
58	Evolutionary topology optimization for temperature reduction of heat conducting fields. International Journal of Heat and Mass Transfer, 2004, 47, 5071-5083.	4.8	149
59	Dental implant induced bone remodeling and associated algorithms. Journal of the Mechanical Behavior of Biomedical Materials, 2009, 2, 410-432.	3.1	142
60	Topological design of structures and composite materials with multiobjectives. International Journal of Solids and Structures, 2007, 44, 7092-7109.	2.7	141
61	A comparative study on thin-walled structures with functionally graded thickness (FGT) and tapered tubes withstanding oblique impact loading. International Journal of Impact Engineering, 2015, 77, 68-83.	5.0	141
62	Parametric analysis and multiobjective optimization for functionally graded foam-filled thin-wall tube under lateral impact. Computational Materials Science, 2014, 90, 265-275.	3.0	139
63	Modeling for CFRP structures subjected to quasi-static crushing. Composite Structures, 2018, 184, 41-55.	5.8	137
64	Energy storage materials derived from Prussian blue analogues. Science Bulletin, 2017, 62, 358-368.	9.0	136
65	Pd Nanoparticles Coupled to WO$_{2.72}$ Nanorods for Enhanced Electrochemical Oxidation of Formic Acid. Nano Letters, 2017, 17, 2727-2731.	9.1	136
66	Microstructure design of biodegradable scaffold and its effect on tissue regeneration. Biomaterials, 2011, 32, 5003-5014.	11.4	134
67	Mathematical modeling of degradation for bulk-erosive polymers: Applications in tissue engineering scaffolds and drug delivery systems. Acta Biomaterialia, 2011, 7, 1140-1149.	8.3	133
68	Controlled Anisotropic Growth of Co–Fe–P from Co–Fe–O Nanoparticles. Angewandte Chemie - International Edition, 2015, 54, 9642-9645.	13.8	132
69	Experimental investigation of the quasi-static axial crushing behavior of filament-wound CFRP and aluminum/CFRP hybrid tubes. Composite Structures, 2018, 194, 208-225.	5.8	132
70	A two-stage multi-fidelity optimization procedure for honeycomb-type cellular materials. Computational Materials Science, 2010, 49, 500-511.	3.0	131
71	On hybrid cellular materials based on triply periodic minimal surfaces with extreme mechanical properties. Materials and Design, 2019, 183, 108109.	7.0	130
72	Lightweight hybrid materials and structures for energy absorption: A state-of-the-art review and outlook. Thin-Walled Structures, 2022, 172, 108760.	5.3	130

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73	Graphene/Fe$_2$O$_3$/SnO$_2$ Ternary Nanocomposites as a High-Performance Anode for Lithium Ion Batteries. ACS Applied Materials & Interfaces, 2013, 5, 8607-8614.	8.0	129
74	Experimental and numerical investigation into the crashworthiness of metal-foam-composite hybrid structures. Composite Structures, 2019, 209, 535-547.	5.8	129
75	On crushing characteristics of different configurations of metal-composites hybrid tubes. Composite Structures, 2017, 175, 58-69.	5.8	128
76	Design of graded two-phase microstructures for tailored elasticity gradients. Journal of Materials Science, 2008, 43, 5157-5167.	3.7	127
77	Sentiment topic models for social emotion mining. Information Sciences, 2014, 266, 90-100.	6.9	126
78	Mechanical responses to orthodontic loading: A 3-dimensional finite element multi-tooth model. American Journal of Orthodontics and Dentofacial Orthopedics, 2009, 135, 174-181.	1.7	125
79	Quasi-static axial crushing and transverse bending of double hat shaped CFRP tubes. Composite Structures, 2014, 117, 1-11.	5.8	125
80	Theoretical prediction and optimization of multi-cell hexagonal tubes under axial crashing. Thin-Walled Structures, 2016, 102, 111-121.	5.3	125
81	High-velocity impact behaviour of aluminium honeycomb sandwich panels with different structural configurations. International Journal of Impact Engineering, 2018, 122, 119-136.	5.0	124
82	Crushing analysis of foam-filled single and bitubal polygonal thin-walled tubes. International Journal of Mechanical Sciences, 2014, 87, 226-240.	6.7	123
83	A meta modeling approach to workflow management systems supporting exception handling. Information Systems, 1999, 24, 159-184.	3.6	121
84	Mandibular bone remodeling induced by dental implant. Journal of Biomechanics, 2010, 43, 287-293.	2.1	121
85	Experimental and numerical studies on indentation and perforation characteristics of honeycomb sandwich panels. Composite Structures, 2018, 184, 110-124.	5.8	121
86	Mechanical properties of hybrid composites reinforced by carbon and basalt fibers. International Journal of Mechanical Sciences, 2018, 148, 636-651.	6.7	119
87	Streptococcus thermophilus Inhibits Colorectal Tumorigenesis Through Secreting Î²-Galactosidase. Gastroenterology, 2021, 160, 1179-1193.e14.	1.3	119
88	FACTS: A Framework for Fault-Tolerant Composition of Transactional Web Services. IEEE Transactions on Services Computing, 2010, 3, 46-59.	4.6	118
89	On crashworthiness design of hybrid metal-composite structures. International Journal of Mechanical Sciences, 2020, 171, 105380.	6.7	117
90	Design optimization of functionally graded dental implant for bone remodeling. Composites Part B: Engineering, 2009, 40, 668-675.	12.0	116

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91	Multiobjective robust optimization method for drawbead design in sheet metal forming. Materials & Design, 2010, 31, 1917-1929.	5.1	116
92	Phosphate-Tolerant Oxygen Reduction Catalysts. ACS Catalysis, 2014, 4, 3193-3200.	11.2	116
93	Energy absorption mechanics and design optimization of CFRP/aluminium hybrid structures for transverse loading. International Journal of Mechanical Sciences, 2019, 150, 767-783.	6.7	116
94	How does negative Poissonâ€™s ratio of foam filler affect crashworthiness?. Materials and Design, 2015, 82, 247-259.	7.0	115
95	Multiobjective optimization for tapered circular tubes. Thin-Walled Structures, 2011, 49, 855-863.	5.3	113
96	Web interface-driven cooperative exception handling in ADOME workflow management system. Information Systems, 2001, 26, 93-120.	3.6	112
97	Size-controlled large-diameter and few-walled carbon nanotube catalysts for oxygen reduction. Nanoscale, 2015, 7, 20290-20298.	5.6	112
98	Comparative study on metal/CFRP hybrid structures under static and dynamic loading. International Journal of Impact Engineering, 2020, 141, 103509.	5.0	112
99	Crashworthiness optimization of corrugated sandwich panels. Materials & Design, 2013, 51, 1071-1084.	5.1	111
100	A two-stage multi-objective optimisation of vehicle crashworthiness under frontal impact. International Journal of Crashworthiness, 2008, 13, 279-288.	1.9	110
101	Experimental and numerical studies on multi-layered corrugated sandwich panels under crushing loading. Composite Structures, 2015, 126, 371-385.	5.8	110
102	Electrochemical sensor for toxic ractopamine and clenbuterol based on the enhancement effect of graphene oxide. Sensors and Actuators B: Chemical, 2012, 168, 178-184.	7.8	109
103	On functionally graded composite structures for crashworthiness. Composite Structures, 2015, 132, 393-405.	5.8	109
104	Crashworthiness design for functionally graded foam-filled bumper beam. Advances in Engineering Software, 2015, 85, 81-95.	3.8	109
105	Low-velocity impact behaviour of sandwich panels with homogeneous and stepwise graded foam cores. Materials and Design, 2018, 160, 1117-1136.	7.0	109
106	One-step synthesis of Mn3O4/reduced graphene oxide nanocomposites for oxygen reduction in nonaqueous Liâ€"O2 batteries. Chemical Communications, 2013, 49, 10838.	4.1	106
107	Stabilizing CuPd Nanoparticles via CuPd Coupling to $WO_{2.72}$ Nanorods in Electrochemical Oxidation of Formic Acid. Journal of the American Chemical Society, 2017, 139, 15191-15196.	13.7	106
108	Boosting Tunable Syngas Formation via Electrochemical CO_2 Reduction on Cu/In_2O_3 Core/Shell Nanoparticles. ACS Applied Materials & Interfaces, 2018, 10, 36996-37004.	8.0	106

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109	High‐Performance Direct Methanol Fuel Cells with Precious‐Metal‐Free Cathode. Advanced Science, 2016, 3, 1600140.	11.2	105
110	On low-velocity impact response of foam-core sandwich panels. International Journal of Mechanical Sciences, 2020, 181, 105681.	6.7	105
111	Multimodularity and Its Applications in Three Stochastic Dynamic Inventory Problems. Manufacturing and Service Operations Management, 2014, 16, 455-463.	3.7	104
112	Nanostructured carbon-based cathode catalysts for nonaqueous lithium–oxygen batteries. Physical Chemistry Chemical Physics, 2014, 16, 13568-13582.	2.8	104
113	Multiobjective reliability-based optimization for design of a vehicledoor. Finite Elements in Analysis and Design, 2013, 67, 13-21.	3.2	103
114	Topological configuration analysis and design for foam filled multi-cell tubes. Engineering Structures, 2018, 155, 235-250.	5.3	103
115	Crashworthiness design for foam-filled thin-walled structures with functionally lateral graded thickness sheets. Thin-Walled Structures, 2015, 91, 63-71.	5.3	102
116	A Comparative study on multiobjective reliable and robust optimization for crashworthiness design of vehicle structure. Structural and Multidisciplinary Optimization, 2013, 48, 669-684.	3.5	101
117	Amorphous Co–Fe–P nanospheres for efficient water oxidation. Journal of Materials Chemistry A, 2017, 5, 25378-25384.	10.3	100
118	Experimental study on the dynamic responses of foam sandwich panels with different facesheets and core gradients subjected to blast impulse. International Journal of Impact Engineering, 2020, 135, 103327.	5.0	100
119	Axial and lateral crushing responses of aluminum honeycombs filled with EPP foam. Composites Part B: Engineering, 2017, 130, 236-247.	12.0	98
120	A new multi-objective discrete robust optimization algorithm for engineering design. Applied Mathematical Modelling, 2018, 53, 602-621.	4.2	98
121	Multi-objective and multi-case reliability-based design optimization for tailor rolled blank (TRB) structures. Structural and Multidisciplinary Optimization, 2017, 55, 1899-1916.	3.5	97
122	Flexural performance and cost efficiency of carbon/basalt/glass hybrid FRP composite laminates. Thin-Walled Structures, 2019, 142, 516-531.	5.3	97
123	On the structural parameters of honeycomb-core sandwich panels against low-velocity impact. Composites Part B: Engineering, 2021, 216, 108881.	12.0	97
124	Theoretical, numerical, and experimental study on laterally variable thickness (LVT) multi-cell tubes for crashworthiness. International Journal of Mechanical Sciences, 2016, 118, 283-297.	6.7	96
125	Dynamic response of sandwich panel with hierarchical honeycomb cores subject to blast loading. Thin-Walled Structures, 2019, 142, 499-515.	5.3	96
126	Surface morphology optimization for osseointegration of coated implants. Biomaterials, 2010, 31, 7196-7204.	11.4	94

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127	Multiobjective topology optimization for finite periodic structures. Computers and Structures, 2010, 88, 806-811.	4.4	93
128	Structure-Dependent Electrocatalytic Properties of Cu$_2$O Nanocrystals for Oxygen Reduction Reaction. Journal of Physical Chemistry C, 2013, 117, 13872-13878.	3.1	92
129	Fast Ion‑Transfer Processes at Nanoscopic Liquid/Liquid Interfaces. Angewandte Chemie - International Edition, 2009, 48, 8010-8013.	13.8	91
130	Level-set based topology optimization for electromagnetic dipole antenna design. Journal of Computational Physics, 2010, 229, 6915-6930.	3.8	91
131	Online Comment-Based Hotel Quality Automatic Assessment Using Improved Fuzzy Comprehensive Evaluation and Fuzzy Cognitive Map. IEEE Transactions on Fuzzy Systems, 2015, 23, 72-84.	9.8	91
132	Facile synthesis of silk-cocoon S-rich cobalt polysulfide as an efficient catalyst for the hydrogen evolution reaction. Energy and Environmental Science, 2018, 11, 2467-2475.	30.8	91
133	Engineering Pre-vascularized Scaffolds for Bone Regeneration. Advances in Experimental Medicine and Biology, 2015, 881, 79-94.	1.6	90
134	On stiffness of scaffolds for bone tissue engineering—a numerical study. Journal of Biomechanics, 2010, 43, 1738-1744.	2.1	89
135	Multiobjective robust design optimization of fatigue life for a truck cab. Reliability Engineering and System Safety, 2015, 135, 1-8.	8.9	89
136	Design of transversely-graded foam and wall thickness structures for crashworthiness criteria. Composites Part B: Engineering, 2016, 92, 338-349.	12.0	89
137	Architectural Design of 3D Printed Scaffolds Controls the Volume and Functionality of Newly Formed Bone. Advanced Healthcare Materials, 2019, 8, e1801353.	7.6	89
138	Crashworthiness analysis and optimization of sinusoidal corrugation tube. Thin-Walled Structures, 2016, 105, 121-134.	5.3	88
139	Multiobjective crashworthiness optimization of hollow and conical tubes for multiple load cases. Thin-Walled Structures, 2014, 82, 331-342.	5.3	86
140	Robust optimization of foam-filled thin-walled structure based on sequential Kriging metamodel. Structural and Multidisciplinary Optimization, 2014, 49, 897-913.	3.5	85
141	Crushing analysis and design optimization for foam-filled aluminum/CFRP hybrid tube against transverse impact. Composites Part B: Engineering, 2020, 196, 108029.	12.0	85
142	Core/Shell Au/MnO Nanoparticles Prepared Through Controlled Oxidation of AuMn as an Electrocatalyst for Sensitive H_2O_2 Detection. Angewandte Chemie - International Edition, 2014, 53, 12508-12512.	13.8	84
143	On fracture characteristics of adhesive joints with dissimilar materials — An experimental study using digital image correlation (DIC) technique. Composite Structures, 2018, 201, 1056-1075.	5.8	84
144	Product aspect extraction supervised with online domain knowledge. Knowledge-Based Systems, 2014, 71, 86-100.	7.1	83

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145	On design of graded honeycomb filler and tubal wall thickness for multiple load cases. Thin-Walled Structures, 2016, 109, 377-389.	5.3	81
146	Displacement minimization of thermoelastic structures by evolutionary thickness design. Computer Methods in Applied Mechanics and Engineering, 1999, 179, 361-378.	6.6	80
147	A periodontal ligament driven remodeling algorithm for orthodontic tooth movement. Journal of Biomechanics, 2014, 47, 1689-1695.	2.1	80
148	Community-aware user profile enrichment in folksonomy. Neural Networks, 2014, 58, 111-121.	5.9	80
149	On crashing behaviors of aluminium/CFRP tubes subjected to axial and oblique loading: An experimental study. Composites Part B: Engineering, 2018, 145, 47-56.	12.0	80
150	Workflow View Based E-Contracts in a Cross-Organizational E-Services Environment. Distributed and Parallel Databases, 2002, 12, 193-216.	1.6	79
151	Affective topic model for social emotion detection. Neural Networks, 2014, 58, 29-37.	5.9	79
152	Biomechanics of oral mucosa. Journal of the Royal Society Interface, 2015, 12, 20150325.	3.4	79
153	Experimental study on low-velocity impact responses and residual properties of composite sandwiches with metallic foam core. Composite Structures, 2019, 223, 110835.	5.8	79
154	Radial basis functional model for multi-objective sheet metal forming optimization. Engineering Optimization, 2011, 43, 1351-1366.	2.6	78
155	Experimental investigation into dynamic axial impact responses of double hat shaped CFRP tubes. Composites Part B: Engineering, 2015, 79, 494-504.	12.0	78
156	On lateral compression of circular aluminum, CFRP and GFRP tubes. Composite Structures, 2020, 232, 111534.	5.8	78
157	On impact behavior of fiber metal laminate (FML) structures: A state-of-the-art review. Thin-Walled Structures, 2021, 167, 108026.	5.3	78
158	Crashworthiness analysis and optimization of fourier varying section tubes. International Journal of Non-Linear Mechanics, 2017, 92, 41-58.	2.6	76
159	Phase field fracture in elasto-plastic solids: Abaqus implementation and case studies. Theoretical and Applied Fracture Mechanics, 2019, 103, 102252.	4.7	76
160	Comparison of functionally-graded structures under multiple loading angles. Thin-Walled Structures, 2015, 94, 334-347.	5.3	75
161	Graphene-Roll-Wrapped Prussian Blue Nanospheres as a High-Performance Binder-Free Cathode for Sodium-Ion Batteries. ACS Applied Materials & Interfaces, 2017, 9, 25317-25322.	8.0	75
162	A multiwall carbon nanotubes film-modified carbon fiber ultramicroelectrode for the determination of nitric oxide radical in liver mitochondria. Bioelectrochemistry, 2005, 65, 135-142.	4.6	74

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163	Efficient entrapment and catalytic conversion of lithium polysulfides on hollow metal oxide submicro-spheres as lithium–sulfur battery cathodes. Nanoscale, 2018, 10, 5634-5641.	5.6	74
164	Topology optimization for negative permeability metamaterials using level-set algorithm. Acta Materialia, 2011, 59, 2624-2636.	7.9	73
165	Crashworthiness design of foam-filled bitubal structures with uncertainty. International Journal of Non-Linear Mechanics, 2014, 67, 120-132.	2.6	72
166	Sensitivity analysis and reliability based design optimization for high-strength steel tailor welded thin-walled structures under crashworthiness. Thin-Walled Structures, 2016, 109, 132-142.	5.3	72
167	Incorporating sentiment into tag-based user profiles and resource profiles for personalized search in folksonomy. Information Processing and Management, 2016, 52, 61-72.	8.6	72
168	Nondeterministic optimization of tapered sandwich column for crashworthiness. Thin-Walled Structures, 2018, 122, 193-207.	5.3	71
169	Challenges and opportunities in collaborative business process management: Overview of recent advances and introduction to the special issue. Information Systems Frontiers, 2009, 11, 201-209.	6.4	68
170	A level-set procedure for the design of electromagnetic metamaterials. Optics Express, 2010, 18, 6693.	3.4	67
171	Recent advances in Cu-based nanocomposite photocatalysts for CO_2 conversion to solar fuels. Journal of Energy Chemistry, 2017, 26, 1039-1049.	12.9	67
172	Configurational optimization of multi-cell topologies for multiple oblique loads. Structural and Multidisciplinary Optimization, 2018, 57, 469-488.	3.5	67
173	Graphene prepared by one-pot solvent exfoliation as a highly sensitive platform for electrochemical sensing. Analytica Chimica Acta, 2014, 825, 26-33.	5.4	66
174	Graphitic carbon nitride as electrode sensing material for tetrabromobisphenol-A determination. Sensors and Actuators B: Chemical, 2017, 248, 673-681.	7.8	66
175	Cuttlebone: Characterisation, application and development of biomimetic materials. Journal of Bionic Engineering, 2012, 9, 367-376.	5.0	65
176	Multiobjective robust optimization for crashworthiness design of foam filled thin-walled structures with random and interval uncertainties. Engineering Structures, 2015, 88, 111-124.	5.3	65
177	A Graph Neural Network Framework for Social Recommendations. IEEE Transactions on Knowledge and Data Engineering, 2022, 34, 2033-2047.	5.7	65
178	Bending characteristics of top-hat structures through tailor rolled blank (TRB) process. Thin-Walled Structures, 2018, 123, 420-440.	5.3	65
179	Discrete topology optimization of ply orientation for a carbon fiber reinforced plastic (CFRP) laminate vehicle door. Materials and Design, 2017, 128, 9-19.	7.0	64
180	Prediction of mandibular bone remodelling induced by fixed partial dentures. Journal of Biomechanics, 2010, 43, 1771-1779.	2.1	63

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181	Multiscale design of surface morphological gradient for osseointegration. Journal of the Mechanical Behavior of Biomedical Materials, 2013, 20, 387-397.	3.1	63
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