

Qing Li

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6190445/publications.pdf>

Version: 2024-02-01

420
papers

22,028
citations

4136

87
h-index

17090

122
g-index

429
all docs

429
docs citations

429
times ranked

11571
citing authors

#	ARTICLE	IF	CITATIONS
1	Biofabrication: reappraising the definition of an evolving field. <i>Biofabrication</i> , 2016, 8, 013001.	3.7	523
2	Biofabrication: A Guide to Technology and Terminology. <i>Trends in Biotechnology</i> , 2018, 36, 384-402.	4.9	465
3	On design optimization for structural crashworthiness and its state of the art. <i>Structural and Multidisciplinary Optimization</i> , 2017, 55, 1091-1119.	1.7	312
4	Multiobjective optimization for crash safety design of vehicles using stepwise regression model. <i>Structural and Multidisciplinary Optimization</i> , 2008, 35, 561-569.	1.7	262
5	Crashworthiness design for functionally graded foam-filled thin-walled structures. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010, 527, 1911-1919.	2.6	262
6	Crashing analysis and multiobjective optimization for thin-walled structures with functionally graded thickness. <i>International Journal of Impact Engineering</i> , 2014, 64, 62-74.	2.4	245
7	Design optimization of regular hexagonal thin-walled columns with crashworthiness criteria. <i>Finite Elements in Analysis and Design</i> , 2007, 43, 555-565.	1.7	239
8	On design of multi-cell tubes under axial and oblique impact loads. <i>Thin-Walled Structures</i> , 2015, 95, 115-126.	2.7	221
9	Crashworthiness analysis and design of multi-cell hexagonal columns under multiple loading cases. <i>Finite Elements in Analysis and Design</i> , 2015, 104, 89-101.	1.7	220
10	Multiobjective optimization of multi-cell sections for the crashworthiness design. <i>International Journal of Impact Engineering</i> , 2008, 35, 1355-1367.	2.4	211
11	Experimental study on crashworthiness of empty/aluminum foam/honeycomb-filled CFRP tubes. <i>Composite Structures</i> , 2016, 152, 969-993.	3.1	193
12	Experimental and numerical study on honeycomb sandwich panels under bending and in-panel compression. <i>Materials and Design</i> , 2017, 133, 154-168.	3.3	193
13	Crashworthiness optimization of foam-filled tapered thin-walled structure using multiple surrogate models. <i>Structural and Multidisciplinary Optimization</i> , 2013, 47, 221-231.	1.7	192
14	Dynamic crash responses of bio-inspired aluminum honeycomb sandwich structures with CFRP panels. <i>Composites Part B: Engineering</i> , 2017, 121, 122-133.	5.9	190
15	Crashworthiness design of vehicle by using multiobjective robust optimization. <i>Structural and Multidisciplinary Optimization</i> , 2011, 44, 99-110.	1.7	187
16	Energy absorption of metal, composite and metal/composite hybrid structures under oblique crushing loading. <i>International Journal of Mechanical Sciences</i> , 2018, 135, 458-483.	3.6	187
17	Crashworthiness design for foam filled thin-wall structures. <i>Materials & Design</i> , 2009, 30, 2024-2032.	5.1	186
18	Lightweight design of carbon twill weave fabric composite body structure for electric vehicle. <i>Composite Structures</i> , 2013, 97, 231-238.	3.1	186

#	ARTICLE	IF	CITATIONS
19	Dynamic crashing behavior of new extrudable multi-cell tubes with a functionally graded thickness. <i>International Journal of Mechanical Sciences</i> , 2015, 103, 63-73.	3.6	186
20	Time-Dependent Reliability Analysis Through Response Surface Method. <i>Journal of Mechanical Design, Transactions of the ASME</i> , 2017, 139, .	1.7	185
21	On design of multi-cell thin-wall structures for crashworthiness. <i>International Journal of Impact Engineering</i> , 2016, 88, 102-117.	2.4	180
22	Crashworthiness of vertex based hierarchical honeycombs in out-of-plane impact. <i>Materials and Design</i> , 2016, 110, 705-719.	3.3	176
23	Shape and topology design for heat conduction by Evolutionary Structural Optimization. <i>International Journal of Heat and Mass Transfer</i> , 1999, 42, 3361-3371.	2.5	175
24	Parameterization of criss-cross configurations for multiobjective crashworthiness optimization. <i>International Journal of Mechanical Sciences</i> , 2017, 124-125, 145-157.	3.6	174
25	On hierarchical honeycombs under out-of-plane crushing. <i>International Journal of Solids and Structures</i> , 2018, 135, 1-13.	1.3	168
26	Design of bionic-bamboo thin-walled structures for energy absorption. <i>Thin-Walled Structures</i> , 2019, 135, 400-413.	2.7	168
27	A variational level set method for the topology optimization of steady-state Navier–Stokes flow. <i>Journal of Computational Physics</i> , 2008, 227, 10178-10195.	1.9	167
28	On design of multi-functional microstructural materials. <i>Journal of Materials Science</i> , 2013, 48, 51-66.	1.7	164
29	Optimization of foam-filled bitubal structures for crashworthiness criteria. <i>Materials & Design</i> , 2012, 38, 99-109.	5.1	162
30	Evolutionary topology optimization for temperature reduction of heat conducting fields. <i>International Journal of Heat and Mass Transfer</i> , 2004, 47, 5071-5083.	2.5	149
31	Dental implant induced bone remodeling and associated algorithms. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2009, 2, 410-432.	1.5	142
32	Topological design of structures and composite materials with multiobjectives. <i>International Journal of Solids and Structures</i> , 2007, 44, 7092-7109.	1.3	141
33	A comparative study on thin-walled structures with functionally graded thickness (FGT) and tapered tubes withstanding oblique impact loading. <i>International Journal of Impact Engineering</i> , 2015, 77, 68-83.	2.4	141
34	Parametric analysis and multiobjective optimization for functionally graded foam-filled thin-wall tube under lateral impact. <i>Computational Materials Science</i> , 2014, 90, 265-275.	1.4	139
35	Modeling for CFRP structures subjected to quasi-static crushing. <i>Composite Structures</i> , 2018, 184, 41-55.	3.1	137
36	Low velocity impact behavior of interlayer hybrid composite laminates with carbon/glass/basalt fibres. <i>Composites Part B: Engineering</i> , 2019, 176, 107191.	5.9	137

#	ARTICLE	IF	CITATIONS
37	Microstructure design of biodegradable scaffold and its effect on tissue regeneration. <i>Biomaterials</i> , 2011, 32, 5003-5014.	5.7	134
38	Mathematical modeling of degradation for bulk-erosive polymers: Applications in tissue engineering scaffolds and drug delivery systems. <i>Acta Biomaterialia</i> , 2011, 7, 1140-1149.	4.1	133
39	Experimental investigation of the quasi-static axial crushing behavior of filament-wound CFRP and aluminum/CFRP hybrid tubes. <i>Composite Structures</i> , 2018, 194, 208-225.	3.1	132
40	A two-stage multi-fidelity optimization procedure for honeycomb-type cellular materials. <i>Computational Materials Science</i> , 2010, 49, 500-511.	1.4	131
41	On hybrid cellular materials based on triply periodic minimal surfaces with extreme mechanical properties. <i>Materials and Design</i> , 2019, 183, 108109.	3.3	130
42	Lightweight hybrid materials and structures for energy absorption: A state-of-the-art review and outlook. <i>Thin-Walled Structures</i> , 2022, 172, 108760.	2.7	130
43	Experimental and numerical investigation into the crashworthiness of metal-foam-composite hybrid structures. <i>Composite Structures</i> , 2019, 209, 535-547.	3.1	129
44	On crushing characteristics of different configurations of metal-composites hybrid tubes. <i>Composite Structures</i> , 2017, 175, 58-69.	3.1	128
45	Design of graded two-phase microstructures for tailored elasticity gradients. <i>Journal of Materials Science</i> , 2008, 43, 5157-5167.	1.7	127
46	Mechanical responses to orthodontic loading: A 3-dimensional finite element multi-tooth model. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2009, 135, 174-181.	0.8	125
47	Quasi-static axial crushing and transverse bending of double hat shaped CFRP tubes. <i>Composite Structures</i> , 2014, 117, 1-11.	3.1	125
48	Theoretical prediction and optimization of multi-cell hexagonal tubes under axial crashing. <i>Thin-Walled Structures</i> , 2016, 102, 111-121.	2.7	125
49	High-velocity impact behaviour of aluminium honeycomb sandwich panels with different structural configurations. <i>International Journal of Impact Engineering</i> , 2018, 122, 119-136.	2.4	124
50	Crushing analysis of foam-filled single and bitubal polygonal thin-walled tubes. <i>International Journal of Mechanical Sciences</i> , 2014, 87, 226-240.	3.6	123
51	Mandibular bone remodeling induced by dental implant. <i>Journal of Biomechanics</i> , 2010, 43, 287-293.	0.9	121
52	Experimental and numerical studies on indentation and perforation characteristics of honeycomb sandwich panels. <i>Composite Structures</i> , 2018, 184, 110-124.	3.1	121
53	Mechanical properties of hybrid composites reinforced by carbon and basalt fibers. <i>International Journal of Mechanical Sciences</i> , 2018, 148, 636-651.	3.6	119
54	On crashworthiness design of hybrid metal-composite structures. <i>International Journal of Mechanical Sciences</i> , 2020, 171, 105380.	3.6	117

#	ARTICLE	IF	CITATIONS
55	Design optimization of functionally graded dental implant for bone remodeling. <i>Composites Part B: Engineering</i> , 2009, 40, 668-675.	5.9	116
56	Multiobjective robust optimization method for drawbead design in sheet metal forming. <i>Materials & Design</i> , 2010, 31, 1917-1929.	5.1	116
57	Energy absorption mechanics and design optimization of CFRP/aluminium hybrid structures for transverse loading. <i>International Journal of Mechanical Sciences</i> , 2019, 150, 767-783.	3.6	116
58	How does negative Poisson's ratio of foam filler affect crashworthiness?. <i>Materials and Design</i> , 2015, 82, 247-259.	3.3	115
59	Multiobjective optimization for tapered circular tubes. <i>Thin-Walled Structures</i> , 2011, 49, 855-863.	2.7	113
60	Comparative study on metal/CFRP hybrid structures under static and dynamic loading. <i>International Journal of Impact Engineering</i> , 2020, 141, 103509.	2.4	112
61	Crashworthiness optimization of corrugated sandwich panels. <i>Materials & Design</i> , 2013, 51, 1071-1084.	5.1	111
62	A two-stage multi-objective optimisation of vehicle crashworthiness under frontal impact. <i>International Journal of Crashworthiness</i> , 2008, 13, 279-288.	1.1	110
63	Experimental and numerical studies on multi-layered corrugated sandwich panels under crushing loading. <i>Composite Structures</i> , 2015, 126, 371-385.	3.1	110
64	On functionally graded composite structures for crashworthiness. <i>Composite Structures</i> , 2015, 132, 393-405.	3.1	109
65	Crashworthiness design for functionally graded foam-filled bumper beam. <i>Advances in Engineering Software</i> , 2015, 85, 81-95.	1.8	109
66	Low-velocity impact behaviour of sandwich panels with homogeneous and stepwise graded foam cores. <i>Materials and Design</i> , 2018, 160, 1117-1136.	3.3	109
67	On low-velocity impact response of foam-core sandwich panels. <i>International Journal of Mechanical Sciences</i> , 2020, 181, 105681.	3.6	105
68	Multiobjective reliability-based optimization for design of a vehicle door. <i>Finite Elements in Analysis and Design</i> , 2013, 67, 13-21.	1.7	103
69	Topological configuration analysis and design for foam filled multi-cell tubes. <i>Engineering Structures</i> , 2018, 155, 235-250.	2.6	103
70	Crashworthiness design for foam-filled thin-walled structures with functionally lateral graded thickness sheets. <i>Thin-Walled Structures</i> , 2015, 91, 63-71.	2.7	102
71	Structural and functional characterization of neuraminidase-like molecule N10 derived from bat influenza A virus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 18897-18902.	3.3	101
72	A Comparative study on multiobjective reliable and robust optimization for crashworthiness design of vehicle structure. <i>Structural and Multidisciplinary Optimization</i> , 2013, 48, 669-684.	1.7	101

#	ARTICLE	IF	CITATIONS
73	Experimental study on the dynamic responses of foam sandwich panels with different facesheets and core gradients subjected to blast impulse. <i>International Journal of Impact Engineering</i> , 2020, 135, 103327.	2.4	100
74	Axial and lateral crushing responses of aluminum honeycombs filled with EPP foam. <i>Composites Part B: Engineering</i> , 2017, 130, 236-247.	5.9	98
75	A new multi-objective discrete robust optimization algorithm for engineering design. <i>Applied Mathematical Modelling</i> , 2018, 53, 602-621.	2.2	98
76	Ag Nanoparticles Cluster with pH-Triggered Reassembly in Targeting Antimicrobial Applications. <i>Advanced Functional Materials</i> , 2020, 30, 2000511.	7.8	98
77	Multi-objective and multi-case reliability-based design optimization for tailor rolled blank (TRB) structures. <i>Structural and Multidisciplinary Optimization</i> , 2017, 55, 1899-1916.	1.7	97
78	Flexural performance and cost efficiency of carbon/basalt/glass hybrid FRP composite laminates. <i>Thin-Walled Structures</i> , 2019, 142, 516-531.	2.7	97
79	On the structural parameters of honeycomb-core sandwich panels against low-velocity impact. <i>Composites Part B: Engineering</i> , 2021, 216, 108881.	5.9	97
80	Theoretical, numerical, and experimental study on laterally variable thickness (LVT) multi-cell tubes for crashworthiness. <i>International Journal of Mechanical Sciences</i> , 2016, 118, 283-297.	3.6	96
81	Dynamic response of sandwich panel with hierarchical honeycomb cores subject to blast loading. <i>Thin-Walled Structures</i> , 2019, 142, 499-515.	2.7	96
82	Surface morphology optimization for osseointegration of coated implants. <i>Biomaterials</i> , 2010, 31, 7196-7204.	5.7	94
83	Multiobjective topology optimization for finite periodic structures. <i>Computers and Structures</i> , 2010, 88, 806-811.	2.4	93
84	Level-set based topology optimization for electromagnetic dipole antenna design. <i>Journal of Computational Physics</i> , 2010, 229, 6915-6930.	1.9	91
85	Engineering Pre-vascularized Scaffolds for Bone Regeneration. <i>Advances in Experimental Medicine and Biology</i> , 2015, 881, 79-94.	0.8	90
86	On stiffness of scaffolds for bone tissue engineering—a numerical study. <i>Journal of Biomechanics</i> , 2010, 43, 1738-1744.	0.9	89
87	Multiobjective robust design optimization of fatigue life for a truck cab. <i>Reliability Engineering and System Safety</i> , 2015, 135, 1-8.	5.1	89
88	Design of transversely-graded foam and wall thickness structures for crashworthiness criteria. <i>Composites Part B: Engineering</i> , 2016, 92, 338-349.	5.9	89
89	Architectural Design of 3D Printed Scaffolds Controls the Volume and Functionality of Newly Formed Bone. <i>Advanced Healthcare Materials</i> , 2019, 8, e1801353.	3.9	89
90	Crashworthiness analysis and optimization of sinusoidal corrugation tube. <i>Thin-Walled Structures</i> , 2016, 105, 121-134.	2.7	88

#	ARTICLE	IF	CITATIONS
91	Multiobjective crashworthiness optimization of hollow and conical tubes for multiple load cases. <i>Thin-Walled Structures</i> , 2014, 82, 331-342.	2.7	86
92	Robust optimization of foam-filled thin-walled structure based on sequential Kriging metamodel. <i>Structural and Multidisciplinary Optimization</i> , 2014, 49, 897-913.	1.7	85
93	Crushing analysis and design optimization for foam-filled aluminum/CFRP hybrid tube against transverse impact. <i>Composites Part B: Engineering</i> , 2020, 196, 108029.	5.9	85
94	On fracture characteristics of adhesive joints with dissimilar materials – An experimental study using digital image correlation (DIC) technique. <i>Composite Structures</i> , 2018, 201, 1056-1075.	3.1	84
95	Computational analysis and optimization of sandwich panels with homogeneous and graded foam cores for blast resistance. <i>Thin-Walled Structures</i> , 2020, 147, 106494.	2.7	84
96	On design of graded honeycomb filler and tubal wall thickness for multiple load cases. <i>Thin-Walled Structures</i> , 2016, 109, 377-389.	2.7	81
97	Displacement minimization of thermoelastic structures by evolutionary thickness design. <i>Computer Methods in Applied Mechanics and Engineering</i> , 1999, 179, 361-378.	3.4	80
98	A periodontal ligament driven remodeling algorithm for orthodontic tooth movement. <i>Journal of Biomechanics</i> , 2014, 47, 1689-1695.	0.9	80
99	On crashing behaviors of aluminium/CFRP tubes subjected to axial and oblique loading: An experimental study. <i>Composites Part B: Engineering</i> , 2018, 145, 47-56.	5.9	80
100	Biomechanics of oral mucosa. <i>Journal of the Royal Society Interface</i> , 2015, 12, 20150325.	1.5	79
101	Experimental study on low-velocity impact responses and residual properties of composite sandwiches with metallic foam core. <i>Composite Structures</i> , 2019, 223, 110835.	3.1	79
102	Radial basis functional model for multi-objective sheet metal forming optimization. <i>Engineering Optimization</i> , 2011, 43, 1351-1366.	1.5	78
103	Experimental investigation into dynamic axial impact responses of double hat shaped CFRP tubes. <i>Composites Part B: Engineering</i> , 2015, 79, 494-504.	5.9	78
104	On lateral compression of circular aluminum, CFRP and GFRP tubes. <i>Composite Structures</i> , 2020, 232, 111534.	3.1	78
105	On impact behavior of fiber metal laminate (FML) structures: A state-of-the-art review. <i>Thin-Walled Structures</i> , 2021, 167, 108026.	2.7	78
106	Crashworthiness analysis and optimization of fourier varying section tubes. <i>International Journal of Non-Linear Mechanics</i> , 2017, 92, 41-58.	1.4	76
107	Phase field fracture in elasto-plastic solids: Abaqus implementation and case studies. <i>Theoretical and Applied Fracture Mechanics</i> , 2019, 103, 102252.	2.1	76
108	Comparison of functionally-graded structures under multiple loading angles. <i>Thin-Walled Structures</i> , 2015, 94, 334-347.	2.7	75

#	ARTICLE	IF	CITATIONS
109	Topology optimization for negative permeability metamaterials using level-set algorithm. <i>Acta Materialia</i> , 2011, 59, 2624-2636.	3.8	73
110	Crashworthiness design of foam-filled bitubal structures with uncertainty. <i>International Journal of Non-Linear Mechanics</i> , 2014, 67, 120-132.	1.4	72
111	Sensitivity analysis and reliability based design optimization for high-strength steel tailor welded thin-walled structures under crashworthiness. <i>Thin-Walled Structures</i> , 2016, 109, 132-142.	2.7	72
112	Nondeterministic optimization of tapered sandwich column for crashworthiness. <i>Thin-Walled Structures</i> , 2018, 122, 193-207.	2.7	71
113	A level-set procedure for the design of electromagnetic metamaterials. <i>Optics Express</i> , 2010, 18, 6693.	1.7	67
114	Configurational optimization of multi-cell topologies for multiple oblique loads. <i>Structural and Multidisciplinary Optimization</i> , 2018, 57, 469-488.	1.7	67
115	Cuttlebone: Characterisation, application and development of biomimetic materials. <i>Journal of Bionic Engineering</i> , 2012, 9, 367-376.	2.7	65
116	Multiobjective robust optimization for crashworthiness design of foam filled thin-walled structures with random and interval uncertainties. <i>Engineering Structures</i> , 2015, 88, 111-124.	2.6	65
117	Bending characteristics of top-hat structures through tailor rolled blank (TRB) process. <i>Thin-Walled Structures</i> , 2018, 123, 420-440.	2.7	65
118	Discrete topology optimization of ply orientation for a carbon fiber reinforced plastic (CFRP) laminate vehicle door. <i>Materials and Design</i> , 2017, 128, 9-19.	3.3	64
119	Prediction of mandibular bone remodelling induced by fixed partial dentures. <i>Journal of Biomechanics</i> , 2010, 43, 1771-1779.	0.9	63
120	Multiscale design of surface morphological gradient for osseointegration. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2013, 20, 387-397.	1.5	63
121	Phase field fracture in elasto-plastic solids: Variational formulation for multi-surface plasticity and effects of plastic yield surfaces and hardening. <i>International Journal of Mechanical Sciences</i> , 2019, 156, 382-396.	3.6	62
122	Quasi-static bending and transverse crushing behaviors for hat-shaped composite tubes made of CFRP, GFRP and their hybrid structures. <i>Composite Structures</i> , 2020, 239, 111842.	3.1	62
123	Experimental study on crashworthiness of tailor-welded blank (TWB) thin-walled high-strength steel (HSS) tubular structures. <i>Thin-Walled Structures</i> , 2014, 74, 12-27.	2.7	61
124	An experimental and numerical study on quasi-static and dynamic crashing behaviors for tailor rolled blank (TRB) structures. <i>Materials and Design</i> , 2017, 118, 175-197.	3.3	61
125	Crashworthiness design of multi-component tailor-welded blank (TWB) structures. <i>Structural and Multidisciplinary Optimization</i> , 2013, 48, 653-667.	1.7	60
126	Thermally induced fracture for core-veneered dental ceramic structures. <i>Acta Biomaterialia</i> , 2013, 9, 8394-8402.	4.1	60

#	ARTICLE	IF	CITATIONS
127	Static and dynamic crushing responses of CFRP sandwich panels filled with different reinforced materials. <i>Materials and Design</i> , 2017, 117, 396-408.	3.3	60
128	Design for cost performance of crashworthy structures made of high strength steel. <i>Thin-Walled Structures</i> , 2019, 138, 458-472.	2.7	60
129	Biomechanical investigation into the role of the periodontal ligament in optimising orthodontic force: a finite element case study. <i>Archives of Oral Biology</i> , 2016, 66, 98-107.	0.8	59
130	Load bearing and failure characteristics of perforated square CFRP tubes under axial crushing. <i>Composite Structures</i> , 2017, 160, 23-35.	3.1	59
131	Towards automated 3D finite element modeling of direct fiber reinforced composite dental bridge. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2005, 74B, 520-528.	1.6	58
132	Tooth Eruption Results from Bone Remodelling Driven by Bite Forces Sensed by Soft Tissue Dental Follicles: A Finite Element Analysis. <i>PLoS ONE</i> , 2013, 8, e58803.	1.1	57
133	On energy absorption of functionally graded tubes under transverse loading. <i>International Journal of Mechanical Sciences</i> , 2016, 115-116, 465-480.	3.6	57
134	Multi-fidelity optimization for sheet metal forming process. <i>Structural and Multidisciplinary Optimization</i> , 2011, 44, 111-124.	1.7	56
135	Discrete robust optimization algorithm based on Taguchi method for structural crashworthiness design. <i>Expert Systems With Applications</i> , 2015, 42, 4482-4492.	4.4	56
136	Residual crashworthiness of CFRP structures with pre-impact damage – An experimental and numerical study. <i>International Journal of Mechanical Sciences</i> , 2018, 149, 122-135.	3.6	56
137	A bio-inspired foam-filled multi-cell structural configuration for energy absorption. <i>Composites Part B: Engineering</i> , 2022, 238, 109801.	5.9	56
138	Multiobjective optimization of perforated square CFRP tubes for crashworthiness. <i>Thin-Walled Structures</i> , 2020, 149, 106628.	2.7	55
139	Computational design of multi-phase microstructural materials for extremal conductivity. <i>Computational Materials Science</i> , 2008, 43, 549-564.	1.4	54
140	Multi-material topology optimization for thermal buckling criteria. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2019, 346, 1136-1155.	3.4	54
141	Comparative study on aluminum/GFRP/CFRP tubes for oblique lateral crushing. <i>Thin-Walled Structures</i> , 2020, 152, 106420.	2.7	54
142	Evolutionary structural optimization for connection topology design of multi-component systems. <i>Engineering Computations</i> , 2001, 18, 460-479.	0.7	53
143	Variable fidelity design based surrogate and artificial bee colony algorithm for sheet metal forming process. <i>Finite Elements in Analysis and Design</i> , 2012, 59, 76-90.	1.7	53
144	Multiobjective robust optimization of coronary stents. <i>Materials and Design</i> , 2016, 90, 682-692.	3.3	51

#	ARTICLE	IF	CITATIONS
145	Crash responses under multiple impacts and residual properties of CFRP and aluminum tubes. <i>Composite Structures</i> , 2018, 194, 87-103.	3.1	51
146	Crushing responses and energy absorption behaviors of multi-cell CFRP tubes. <i>Thin-Walled Structures</i> , 2020, 155, 106930.	2.7	51
147	Structural topology design with multiple thermal criteria. <i>Engineering Computations</i> , 2000, 17, 715-734.	0.7	50
148	A comparative study on complete and implant retained denture treatments – A biomechanics perspective. <i>Journal of Biomechanics</i> , 2015, 48, 512-519.	0.9	50
149	An experimental study on fatigue characteristics of CFRP-steel hybrid laminates. <i>Materials and Design</i> , 2015, 88, 643-650.	3.3	50
150	CD103+ Dendritic Cells Elicit CD8+ T Cell Responses to Accelerate Kidney Injury in Adriamycin Nephropathy. <i>Journal of the American Society of Nephrology: JASN</i> , 2016, 27, 1344-1360.	3.0	49
151	A stochastic process discretization method combining active learning Kriging model for efficient time-variant reliability analysis. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2021, 384, 113990.	3.4	49
152	The role of oxidized low-density lipoprotein in breaking peripheral Th17/Treg balance in patients with acute coronary syndrome. <i>Biochemical and Biophysical Research Communications</i> , 2010, 394, 836-842.	1.0	48
153	On crushing responses of filament winding CFRP/aluminum and GFRP/CFRP/aluminum hybrid structures. <i>Composites Part B: Engineering</i> , 2020, 200, 108341.	5.9	48
154	A comparative mechanical and bone remodelling study of all-ceramic posterior inlay and onlay fixed partial dentures. <i>Journal of Dentistry</i> , 2012, 40, 48-56.	1.7	47
155	On reliability analysis method through rotational sparse grid nodes. <i>Mechanical Systems and Signal Processing</i> , 2021, 147, 107106.	4.4	46
156	On twist springback in advanced high-strength steels. <i>Materials & Design</i> , 2011, 32, 3272-3279.	5.1	45
157	Multiobjective reliability-based optimization for crashworthy structures coupled with metal forming process. <i>Structural and Multidisciplinary Optimization</i> , 2017, 56, 1571-1587.	1.7	45
158	Shape Optimization for Additive Manufacturing of Removable Partial Dentures - A New Paradigm for Prosthetic CAD/CAM. <i>PLoS ONE</i> , 2015, 10, e0132552.	1.1	44
159	A hybrid adaptive Kriging-based single loop approach for complex reliability-based design optimization problems. <i>Reliability Engineering and System Safety</i> , 2021, 215, 107736.	5.1	44
160	A Novel Bone Substitute with High Bioactivity, Strength, and Porosity for Repairing Large and Load-bearing Bone Defects. <i>Advanced Healthcare Materials</i> , 2019, 8, e1801298.	3.9	43
161	Synthetic Bone-like Structures Through Omnidirectional Ceramic Bioprinting in Cell Suspensions. <i>Advanced Functional Materials</i> , 2021, 31, 2008216.	7.8	43
162	Determination of mechanical properties of the weld line by combining micro-indentation with inverse modeling. <i>Computational Materials Science</i> , 2014, 85, 347-362.	1.4	42

#	ARTICLE	IF	CITATIONS
163	Robust topology optimization for multiple fiber-reinforced plastic (FRP) composites under loading uncertainties. <i>Structural and Multidisciplinary Optimization</i> , 2019, 59, 695-711.	1.7	42
164	Fracture behaviors of ceramic tissue scaffolds for load bearing applications. <i>Scientific Reports</i> , 2016, 6, 28816.	1.6	41
165	On failure mechanisms in CFRP/Al adhesive joints after hygrothermal aging degradation following by mechanical tests. <i>Thin-Walled Structures</i> , 2021, 158, 107184.	2.7	41
166	Mesenchymal stem cell-derived exosomal miR-21a-5p promotes M2 macrophage polarization and reduces macrophage infiltration to attenuate atherosclerosis. <i>Acta Biochimica Et Biophysica Sinica</i> , 2021, 53, 1227-1236.	0.9	41
167	Design optimization of bioinspired helicoidal CFRPP/GFRPP hybrid composites for multiple low-velocity impact loads. <i>International Journal of Mechanical Sciences</i> , 2022, 219, 107064.	3.6	41
168	Exosome-encapsulated miR-505 from ox-LDL-treated vascular endothelial cells aggravates atherosclerosis by inducing NET formation. <i>Acta Biochimica Et Biophysica Sinica</i> , 2019, 51, 1233-1241.	0.9	40
169	Characterization of initial and subsequent yield behaviors of closed-cell aluminum foams under multiaxial loadings. <i>Composites Part B: Engineering</i> , 2020, 202, 108247.	5.9	40
170	On lateral crashworthiness of aluminum/composite hybrid structures. <i>Composite Structures</i> , 2020, 245, 112334.	3.1	40
171	A continuum sensitivity method for the design of multi-stage metal forming processes. <i>International Journal of Mechanical Sciences</i> , 2003, 45, 325-358.	3.6	39
172	Experimental investigation on high strength steel (HSS) tailor-welded blanks (TWBs). <i>Journal of Materials Processing Technology</i> , 2014, 214, 925-935.	3.1	39
173	Optimization design of corrugated beam guardrail based on RBF-MQ surrogate model and collision safety consideration. <i>Advances in Engineering Software</i> , 2014, 78, 28-40.	1.8	39
174	Structure of Influenza Virus N7: the Last Piece of the Neuraminidase "Puzzle". <i>Journal of Virology</i> , 2014, 88, 9197-9207.	1.5	38
175	Evolutionary structural optimization for stress minimization problems by discrete thickness design. <i>Computers and Structures</i> , 2000, 78, 769-780.	2.4	37
176	COMPUTATIONAL DESIGN FOR MULTIFUNCTIONAL MICROSTRUCTURAL COMPOSITES. <i>International Journal of Modern Physics B</i> , 2009, 23, 1345-1351.	1.0	37
177	Experimental investigation into transverse crashworthiness of CFRP adhesively bonded joints in vehicle structure. <i>Composite Structures</i> , 2013, 106, 581-589.	3.1	37
178	MicroRNA-29b promotes high-fat diet-stimulated endothelial permeability and apoptosis in apoE knock-out mice by down-regulating MT1 expression. <i>International Journal of Cardiology</i> , 2014, 176, 764-770.	0.8	37
179	Failure mechanisms in carbon fiber reinforced plastics (CFRP) / aluminum (Al) adhesive bonds subjected to low-velocity transverse pre-impact following by axial post-tension. <i>Composites Part B: Engineering</i> , 2019, 172, 339-351.	5.9	37
180	An evolutionary shape optimization for elastic contact problems subject to multiple load cases. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2005, 194, 3394-3415.	3.4	36

#	ARTICLE	IF	CITATIONS
181	Bone's responses to different designs of implant-supported fixed partial dentures. <i>Biomechanics and Modeling in Mechanobiology</i> , 2015, 14, 403-411.	1.4	36
182	Time-dependent topology optimization of bone plates considering bone remodeling. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2020, 359, 112702.	3.4	36
183	Identification of mechanical properties of the weld line by combining 3D digital image correlation with inverse modeling procedure. <i>International Journal of Advanced Manufacturing Technology</i> , 2014, 74, 893-905.	1.5	35
184	Multi-objective topology optimization of a vehicle door using multiple material tailor-welded blank (TWB) technology. <i>Advances in Engineering Software</i> , 2018, 124, 1-9.	1.8	35
185	Experimental study on residual properties of carbon fibre reinforced plastic (CFRP) and aluminum single-lap adhesive joints at different strain rates after transverse pre-impact. <i>Composites Part A: Applied Science and Manufacturing</i> , 2019, 124, 105372.	3.8	35
186	Digital image correlation (DIC) based damage detection for CFRP laminates by using machine learning based image semantic segmentation. <i>International Journal of Mechanical Sciences</i> , 2022, 230, 107529.	3.6	35
187	Bone remodeling induced by dental implants of functionally graded materials. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2010, 92B, 430-438.	1.6	34
188	Crashworthiness study on functionally graded thin-walled structures. <i>International Journal of Crashworthiness</i> , 2015, 20, 280-300.	1.1	34
189	Topology Optimization of Multicell Tubes Under Out-of-Plane Crushing Using a Modified Artificial Bee Colony Algorithm. <i>Journal of Mechanical Design, Transactions of the ASME</i> , 2017, 139, .	1.7	34
190	<i>In vivo</i> effects of different orthodontic loading on root resorption and correlation with mechanobiological stimulus in periodontal ligament. <i>Journal of the Royal Society Interface</i> , 2019, 16, 20190108.	1.5	34
191	WNT4 secreted by tumor tissues promotes tumor progression in colorectal cancer by activation of the Wnt/ β -catenin signalling pathway. <i>Journal of Experimental and Clinical Cancer Research</i> , 2020, 39, 251.	3.5	34
192	Phase field fracture in elasto-plastic solids: a length-scale insensitive model for quasi-brittle materials. <i>Computational Mechanics</i> , 2020, 66, 931-961.	2.2	34
193	The relation of constant mean curvature surfaces to multiphase composites with extremal thermal conductivity. <i>Journal Physics D: Applied Physics</i> , 2007, 40, 6083-6093.	1.3	32
194	Crashworthiness optimization with uncertainty from surrogate model and numerical error. <i>Thin-Walled Structures</i> , 2018, 129, 457-472.	2.7	32
195	Effects of occlusal inclination and loading on mandibular bone remodeling: a finite element study. <i>International Journal of Oral and Maxillofacial Implants</i> , 2011, 26, 527-37.	0.6	32
196	Microstructural design of connective base cells for functionally graded materials. <i>Materials Letters</i> , 2008, 62, 4022-4024.	1.3	31
197	Characterization of cuttlebone for a biomimetic design of cellular structures. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2010, 26, 27-35.	1.5	31
198	Investigation of Mucosa-Induced Residual Ridge Resorption Under Implant-Retained Overdentures and Complete Dentures in the Mandible. <i>International Journal of Oral and Maxillofacial Implants</i> , 2015, 30, 657-666.	0.6	31

#	ARTICLE	IF	CITATIONS
199	Toxoplasma gondii isolate with genotype Chinese 1 triggers trophoblast apoptosis through oxidative stress and mitochondrial dysfunction in mice. <i>Experimental Parasitology</i> , 2015, 154, 51-61.	0.5	30
200	Topological design of all-ceramic dental bridges for enhancing fracture resistance. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2016, 32, e02749.	1.0	30
201	A novel failure criterion based upon forming limit curve for thermoplastic composites. <i>Composites Part B: Engineering</i> , 2020, 202, 108320.	5.9	30
202	Inverse identification of cell-wall material properties of closed-cell aluminum foams based upon Vickers nano-indentation tests. <i>International Journal of Mechanical Sciences</i> , 2020, 176, 105524.	3.6	30
203	A strength-based multiple cutout optimization in composite plates using fixed grid finite element method. <i>Composite Structures</i> , 2006, 73, 403-412.	3.1	29
204	Multiobjective optimization design for vehicle occupant restraint system under frontal impact. <i>Structural and Multidisciplinary Optimization</i> , 2013, 47, 465-477.	1.7	29
205	Mechanical benefits of conservative restoration for dental fissure caries. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2016, 53, 11-20.	1.5	29
206	Modelling of stress distribution and fracture in dental occlusal fissures. <i>Scientific Reports</i> , 2019, 9, 4682.	1.6	29
207	Regulatory innate lymphoid cells suppress innate immunity and reduce renal ischemia/reperfusion injury. <i>Kidney International</i> , 2020, 97, 130-142.	2.6	29
208	Fatigue behavior of CFRP/Al adhesive joints – Failure mechanisms study using digital image correlation (DIC) technique. <i>Thin-Walled Structures</i> , 2022, 174, 109075.	2.7	29
209	Sensitivity analysis of bi-layered ceramic dental restorations. <i>Dental Materials</i> , 2012, 28, e6-e14.	1.6	28
210	The mystery of coconut overturns the crashworthiness design of composite materials. <i>International Journal of Mechanical Sciences</i> , 2020, 168, 105244.	3.6	28
211	Parallelized multiobjective efficient global optimization algorithm and its applications. <i>Structural and Multidisciplinary Optimization</i> , 2020, 61, 763-786.	1.7	28
212	Monolithic crowns fracture analysis: The effect of material properties, cusp angle and crown thickness. <i>Dental Materials</i> , 2020, 36, 1038-1051.	1.6	28
213	Level-set topology optimization for maximizing fracture resistance of brittle materials using phase-field fracture model. <i>International Journal for Numerical Methods in Engineering</i> , 2020, 121, 2929-2945.	1.5	28
214	Fatigue behavior of carbon fibre reinforced plastic and aluminum single-lap adhesive joints after the transverse pre-impact. <i>International Journal of Fatigue</i> , 2021, 144, 105973.	2.8	28
215	Th17/IL-17 induces endothelial cell senescence via activation of NF- κ B/p53/Rb signaling pathway. <i>Laboratory Investigation</i> , 2021, 101, 1418-1426.	1.7	28
216	Vibration-based damage identification in composite plates using 3D-DIC and wavelet analysis. <i>Mechanical Systems and Signal Processing</i> , 2022, 173, 108890.	4.4	28

#	ARTICLE	IF	CITATIONS
217	Influence of tooth removal on mandibular bone response to mastication. Archives of Oral Biology, 2008, 53, 1129-1137.	0.8	27
218	Identification of material parameters for aluminum foam at high strain rate. Computational Materials Science, 2013, 74, 65-74.	1.4	27
219	Atomic layer deposition of Al ₂ O ₃ and Al ₂ O ₃ /TiO ₂ barrier coatings to reduce the water vapour permeability of polyetheretherketone. Thin Solid Films, 2015, 591, 131-136.	0.8	27
220	Nondestructive characterization of bone tissue scaffolds for clinical scenarios. Journal of the Mechanical Behavior of Biomedical Materials, 2019, 89, 150-161.	1.5	27
221	Quasi-static and sound insulation performance of a multifunctional cylindrical cellular shell with bidirectional negative-stiffness metamaterial cores. International Journal of Mechanical Sciences, 2020, 180, 105662.	3.6	27
222	Optimization for formability of plain woven carbon fiber fabrics. International Journal of Mechanical Sciences, 2021, 197, 106318.	3.6	27
223	Functional and Structural Analysis of Influenza Virus Neuraminidase N3 Offers Further Insight into the Mechanisms of Oseltamivir Resistance. Journal of Virology, 2013, 87, 10016-10024.	1.5	26
224	Impact responses and residual flexural properties of narrow CFRP laminates. Composite Structures, 2014, 111, 332-339.	3.1	26
225	Propionibacterium acnes overabundance in gastric cancer promote M2 polarization of macrophages via a TLR4/PI3K/Akt signaling. Gastric Cancer, 2021, 24, 1242-1253.	2.7	26
226	On the effects of temperature on tensile behavior of carbon fiber reinforced epoxy laminates. Thin-Walled Structures, 2021, 164, 107769.	2.7	26
227	Computational Design of Microstructural Composites with Tailored Thermal Conductivity. Numerical Heat Transfer; Part A: Applications, 2008, 54, 686-708.	1.2	25
228	Design and fabrication of biphasic cellular materials with transport properties – A modified bidirectional evolutionary structural optimization procedure and MATLAB program. International Journal of Heat and Mass Transfer, 2012, 55, 8149-8162.	2.5	25
229	A low-toxic site-directed mutant of <i>Clostridium perfringens</i> β -toxin as a potential candidate vaccine against enterotoxemia. Human Vaccines and Immunotherapeutics, 2013, 9, 2386-2392.	1.4	25
230	Failure analysis for resistance spot welding in lap-shear specimens. International Journal of Mechanical Sciences, 2014, 78, 154-166.	3.6	25
231	Multiobjective sequential optimization for a vehicle door using hybrid materials tailor-welded structure. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2016, 230, 3092-3100.	1.1	25
232	Computational and clinical investigation on the role of mechanical vibration on orthodontic tooth movement. Journal of Biomechanics, 2017, 60, 57-64.	0.9	25
233	Crashworthiness design of a steel–aluminum hybrid rail using multi-response objective-oriented sequential optimization. Advances in Engineering Software, 2017, 112, 192-199.	1.8	25
234	Evaluation of a Novel Computer Color Matching System Based on the Improved Back-Propagation Neural Network Model. Journal of Prosthodontics, 2018, 27, 775-783.	1.7	25

#	ARTICLE	IF	CITATIONS
235	Topographical design of stiffener layout for plates against blast loading using a modified ant colony optimization algorithm. <i>Structural and Multidisciplinary Optimization</i> , 2019, 59, 335-350.	1.7	25
236	Finite element based bone remodeling and resonance frequency analysis for osseointegration assessment of dental implants. <i>Finite Elements in Analysis and Design</i> , 2011, 47, 898-905.	1.7	24
237	Simulation of bone remodelling in orthodontic treatment. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2014, 17, 1042-1050.	0.9	24
238	Biomechanical analysis of bone remodeling following mandibular reconstruction using fibula free flap. <i>Medical Engineering and Physics</i> , 2018, 56, 1-8.	0.8	24
239	Mechanical and Acoustic Performance of Sandwich Panels With Hybrid Cellular Cores. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 2018, 140, .	1.0	24
240	circ-ZUFSP regulates trophoblasts migration and invasion through sponging miR-203 to regulate STOX1 expression. <i>Biochemical and Biophysical Research Communications</i> , 2020, 531, 472-479.	1.0	24
241	On multiaxial failure behavior of closed-cell aluminum foams under medium strain rates. <i>Thin-Walled Structures</i> , 2021, 160, 107278.	2.7	24
242	On quasi-static behaviors of different joint methods for connecting carbon fiber reinforce plastic (CFRP) laminate and aluminum alloy. <i>Thin-Walled Structures</i> , 2021, 164, 107657.	2.7	24
243	Fatigue optimization with combined ensembles of surrogate modeling for a truck cab. <i>Journal of Mechanical Science and Technology</i> , 2014, 28, 4641-4649.	0.7	23
244	A modular design strategy to integrate mechanotransduction concepts in scaffold-based bone tissue engineering. <i>Acta Biomaterialia</i> , 2020, 118, 100-112.	4.1	23
245	A time-dependent mechanobiology-based topology optimization to enhance bone growth in tissue scaffolds. <i>Journal of Biomechanics</i> , 2021, 117, 110233.	0.9	23
246	An evolutionary approach to elastic contact optimization of frame structures. <i>Finite Elements in Analysis and Design</i> , 2003, 40, 61-81.	1.7	22
247	Development and Validation of a High-Fidelity Finite-Element Model of Monopolar Stimulation in the Implanted Guinea Pig Cochlea. <i>IEEE Transactions on Biomedical Engineering</i> , 2016, 63, 188-198.	2.5	22
248	Bone morphological effects on post-implantation remodeling of maxillary anterior buccal bone: A clinical and biomechanical study. <i>Journal of Prosthodontic Research</i> , 2017, 61, 393-402.	1.1	22
249	Mechanical characterization and numerical modeling on the yield and fracture behaviors of polymethacrylimide (PMI) foam materials. <i>International Journal of Mechanical Sciences</i> , 2022, 218, 107033.	3.6	22
250	Evolutionary shape optimization for stress minimization. <i>Mechanics Research Communications</i> , 1999, 26, 657-664.	1.0	21
251	Three dimensional quantification of mandibular bone remodeling using standard tessellation language registration based superimposition. <i>Clinical Oral Implants Research</i> , 2013, 24, 1273-1279.	1.9	21
252	Directed glia-assisted angiogenesis in a mature neurosensory structure: Pericytes mediate an adaptive response in human dental pulp that maintains blood-barrier function. <i>Journal of Comparative Neurology</i> , 2012, 520, 3803-3826.	0.9	21

#	ARTICLE	IF	CITATIONS
253	Numerical simulation of dental bone remodeling induced by implant-supported fixed partial denture with or without cantilever extension. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2013, 29, 1134-1147.	1.0	21
254	Design of fishnet metamaterials with broadband negative refractive index in the visible spectrum. <i>Optics Letters</i> , 2014, 39, 2415.	1.7	21
255	On the shape transformation of cone scales. <i>Soft Matter</i> , 2016, 12, 9797-9802.	1.2	21
256	Fracture behavior of inlay and onlay fixed partial dentures – An in-vitro experimental and XFEM modeling study. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2016, 59, 279-290.	1.5	21
257	Validation of an MRI Protocol for Routine Quantitative Assessment of Tunnel Position in Anterior Cruciate Ligament Reconstruction. <i>American Journal of Sports Medicine</i> , 2018, 46, 1624-1631.	1.9	21
258	Parallelized optimization design of bumper systems under multiple low-speed impact loads. <i>Thin-Walled Structures</i> , 2021, 167, 108197.	2.7	21
259	Design Optimization of Scaffold Microstructures Using Wall Shear Stress Criterion Towards Regulated Flow-Induced Erosion. <i>Journal of Biomechanical Engineering</i> , 2011, 133, 081008.	0.6	20
260	Yielding behaviors of polymeric scaffolds with implications to tissue engineering. <i>Materials Letters</i> , 2016, 184, 108-111.	1.3	20
261	Multiobjective optimization of cartilage stress for non-invasive, patient-specific recommendations of high tibial osteotomy correction angle – a novel method to investigate alignment correction. <i>Medical Engineering and Physics</i> , 2017, 42, 26-34.	0.8	20
262	On design of carbon fiber reinforced plastic (CFRP) laminated structure with different failure criteria. <i>International Journal of Mechanical Sciences</i> , 2021, 196, 106251.	3.6	20
263	Measurement of fracture parameters based upon digital image correlation and virtual crack closure techniques. <i>Composites Part B: Engineering</i> , 2021, 224, 109157.	5.9	20
264	A fixed-grid bidirectional evolutionary structural optimization method and its applications in tunnelling engineering. <i>International Journal for Numerical Methods in Engineering</i> , 2008, 73, 1788-1810.	1.5	19
265	Development of HEATHER for Cochlear Implant Stimulation Using a New Modeling Workflow. <i>IEEE Transactions on Biomedical Engineering</i> , 2015, 62, 728-735.	2.5	19
266	Smoothed finite element method for analysis of multi-layered systems – Applications in biomaterials. <i>Computers and Structures</i> , 2016, 168, 16-29.	2.4	19
267	Simultaneous Discrete Topology Optimization of Ply Orientation and Thickness for Carbon Fiber Reinforced Plastic-Laminated Structures. <i>Journal of Mechanical Design, Transactions of the ASME</i> , 2019, 141, .	1.7	19
268	Multiobjective discrete optimization using the TOPSIS and entropy method for protection of pedestrian lower extremity. <i>Thin-Walled Structures</i> , 2020, 152, 106349.	2.7	19
269	On strain rate and temperature dependent mechanical properties and constitutive models for additively manufactured polylactic acid (PLA) materials. <i>Thin-Walled Structures</i> , 2022, 179, 109624.	2.7	19
270	A microstructure diagram for known bounds in conductivity. <i>Journal of Materials Research</i> , 2008, 23, 798-811.	1.2	18

#	ARTICLE	IF	CITATIONS
271	On functionally-graded crashworthy shape of conical structures for multiple load cases. Journal of Mechanical Science and Technology, 2017, 31, 2861-2873.	0.7	18
272	Fracture modeling of brittle biomaterials by the phase-field method. Engineering Fracture Mechanics, 2020, 224, 106752.	2.0	18
273	A novel specimen design to establish the forming limit diagram (FLD) for GFRP through stamping test. Composites Part A: Applied Science and Manufacturing, 2020, 130, 105737.	3.8	18
274	Modal identification of vibrating structures using singular value decomposition and nonlinear iteration based on high-speed digital image correlation. Thin-Walled Structures, 2021, 163, 107377.	2.7	18
275	On characterization of cohesive zone model (CZM) based upon digital image correlation (DIC) method. International Journal of Mechanical Sciences, 2022, 215, 106921.	3.6	18
276	Numerical Simulation of Crack Formation in All Ceramic Dental Bridge. Key Engineering Materials, 2006, 312, 293-298.	0.4	17
277	Residual Stresses in Fabrication of Core-Veneered Ceramic Prostheses. Advanced Materials Research, 2010, 97-101, 2241-2244.	0.3	17
278	Computational modeling of dynamic behaviors of human teeth. Journal of Biomechanics, 2015, 48, 4214-4220.	0.9	17
279	Crashworthiness design of functionally graded structures with variable diameters. International Journal of Crashworthiness, 2017, 22, 148-162.	1.1	17
280	Investigation on masticatory muscular functionality following oral reconstruction – An inverse identification approach. Journal of Biomechanics, 2019, 90, 1-8.	0.9	17
281	A machine learning-based multiscale model to predict bone formation in scaffolds. Nature Computational Science, 2021, 1, 532-541.	3.8	17
282	Design of cellular porous biomaterials for wall shear stress criterion. Biotechnology and Bioengineering, 2010, 107, 737-746.	1.7	16
283	Modeling of damage driven fracture failure of fiber post-restored teeth. Journal of the Mechanical Behavior of Biomedical Materials, 2015, 49, 277-289.	1.5	16
284	Flt3 inhibition alleviates chronic kidney disease by suppressing CD103+ dendritic cell-mediated T cell activation. Nephrology Dialysis Transplantation, 2019, 34, 1853-1863.	0.4	16
285	Topology optimization for periodic multi-component structures with stiffness and frequency criteria. Structural and Multidisciplinary Optimization, 2020, 61, 2271-2289.	1.7	16
286	Finite element analysis suggests functional bone strain accounts for continuous post-eruptive emergence of teeth. Archives of Oral Biology, 2012, 57, 1070-1078.	0.8	15
287	Effects of design parameters on fracture resistance of glass simulated dental crowns. Dental Materials, 2016, 32, 373-384.	1.6	15
288	Increased circulating CXCR5 ⁺ CD4 ⁺ T follicular helper-like cells in oral lichen planus. Journal of Oral Pathology and Medicine, 2017, 46, 803-809.	1.4	15

#	ARTICLE	IF	CITATIONS
289	In-plane and out-of-plane bending responses of aluminum mortise-tenon joints in lightweight electric vehicle inspired by timber structures. <i>Thin-Walled Structures</i> , 2018, 127, 169-179.	2.7	15
290	Phase field fracture in elasto-plastic solids: Incorporating phenomenological failure criteria for ductile materials. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2022, 391, 114580.	3.4	15
291	Design of 3-D Periodic Metamaterials for Electromagnetic Properties. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2010, 58, 910-916.	2.9	14
292	Optimizing two-level hierarchical particles for thin-film solar cells. <i>Optics Express</i> , 2013, 21, A285.	1.7	14
293	Shell buckling: from morphogenesis of soft matter to prospective applications. <i>Bioinspiration and Biomimetics</i> , 2018, 13, 051001.	1.5	14
294	MALAT1 overexpression attenuates AS by inhibiting ox-LDL-stimulated dendritic cell maturation via miR-155-5p/NFIA axis. <i>Cell Cycle</i> , 2020, 19, 2472-2485.	1.3	14
295	Experimental investigation into stamping of woven CF/PP laminates: Influences of molding temperature on thermal, mesoscopic and macroscopic properties. <i>Composite Structures</i> , 2021, 263, 113507.	3.1	14
296	Machine learning based topology optimization of fiber orientation for variable stiffness composite structures. <i>International Journal for Numerical Methods in Engineering</i> , 2021, 122, 6736-6755.	1.5	14
297	Identification of Material Parameters for High Strength Steel Under Impact Loading. <i>Advanced Science Letters</i> , 2011, 4, 708-714.	0.2	14
298	Evolutionary thickness design with stiffness maximization and stress minimization criteria. <i>International Journal for Numerical Methods in Engineering</i> , 2001, 52, 979-995.	1.5	13
299	Stress based optimization of torsional shafts using an evolutionary procedure. <i>International Journal of Solids and Structures</i> , 2001, 38, 5661-5677.	1.3	13
300	Biomechanical Response in Mandibular Bone due to Mastication Loading on 3-Unit Fixed Partial Dentures. <i>Journal of Dental Biomechanics</i> , 2010, 1, 902537.	1.2	13
301	On the Topology Optimization of Elastic Supporting Structures under Thermomechanical Loads. <i>International Journal of Aerospace Engineering</i> , 2016, 2016, 1-12.	0.5	13
302	Determination of oral mucosal Poisson's ratio and coefficient of friction from <i>in-vivo</i> contact pressure measurements. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2016, 19, 357-365.	0.9	13
303	The effect of seated pelvic tilt on posterior edge-loading in total hip arthroplasty: A finite element investigation. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2018, 232, 241-248.	1.0	13
304	Quantitative/qualitative analysis of adhesive-dentin interface in the presence of 10-methacryloyl- γ -dodecyl dihydrogen phosphate. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2019, 92, 71-78.	1.5	13
305	Exceptional contact elasticity of human enamel in nanoindentation test. <i>Dental Materials</i> , 2019, 35, 87-97.	1.6	13
306	In vitro study of the effect of cyclic strains on the dermal fibroblast (GM3384) morphology—Mapping of cell responses to strain field. <i>Medical Engineering and Physics</i> , 2012, 34, 826-831.	0.8	12

#	ARTICLE	IF	CITATIONS
307	Bioinspired lightweight cellular materials - Understanding effects of natural variation on mechanical properties. <i>Materials Science and Engineering C</i> , 2013, 33, 3146-3152.	3.8	12
308	Effects of buccal thickness augmentation on bone remodeling after maxillary anterior implantation. <i>Biomechanics and Modeling in Mechanobiology</i> , 2020, 19, 133-145.	1.4	12
309	Activatable Cell-Penetrating Peptide Conjugated Polymeric Nanoparticles with Gd-Chelation and Aggregation-Induced Emission for Bimodal MR and Fluorescence Imaging of Tumors. <i>ACS Applied Bio Materials</i> , 2020, 3, 1394-1405.	2.3	12
310	On lower confidence bound improvement matrix-based approaches for multiobjective Bayesian optimization and its applications to thin-walled structures. <i>Thin-Walled Structures</i> , 2021, 161, 107248.	2.7	12
311	A path-dependent level set topology optimization with fracture criterion. <i>Computers and Structures</i> , 2021, 249, 106515.	2.4	12
312	miR-497 defect contributes to gastric cancer tumorigenesis and progression via regulating CDC42/ITGB1/FAK/PXN/AKT signaling. <i>Molecular Therapy - Nucleic Acids</i> , 2021, 25, 567-577.	2.3	12
313	A comparison of fast Fourier transform-based homogenization method to asymptotic homogenization method. <i>Composite Structures</i> , 2020, 238, 111979.	3.1	12
314	On quasi-static large deflection of single lap joints under transverse loading. <i>Thin-Walled Structures</i> , 2022, 170, 108572.	2.7	12
315	Computer-Aided Design and Fabrication of Bio-Mimetic Materials and Scaffold Micro-Structures. <i>Advanced Materials Research</i> , 2011, 213, 628-632.	0.3	11
316	Simulation of multi-stage nonlinear bone remodeling induced by fixed partial dentures of different configurations: a comparative clinical and numerical study. <i>Biomechanics and Modeling in Mechanobiology</i> , 2017, 16, 411-423.	1.4	11
317	Optimal placement of fixation system for scaffold-based mandibular reconstruction. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2022, 126, 104855.	1.5	11
318	Nondeterministic multi-objective and multi-case discrete optimization of functionally-graded front-bumper structures for pedestrian protection. <i>Thin-Walled Structures</i> , 2021, 167, 106921.	2.7	11
319	Quasi-static and low-velocity impact responses of polypropylene random copolymer composites with adjustable crystalline structures. <i>Composites Part B: Engineering</i> , 2021, 224, 109139.	5.9	11
320	Optimization of thin shell structures subjected to thermal loading. <i>Structural Engineering and Mechanics</i> , 1999, 7, 401-412.	1.0	11
321	Towards ultra-stiff materials: Surface effects on nanoporous materials. <i>Applied Physics Letters</i> , 2014, 105, .	1.5	10
322	Buckling-induced retraction of spherical shells: A study on the shape of aperture. <i>Scientific Reports</i> , 2015, 5, 11309.	1.6	10
323	Effect of different implant configurations on biomechanical behavior of full-arch implant-supported mandibular monolithic zirconia fixed prostheses. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020, 102, 103490.	1.5	10
324	A reaction-diffusion based level set method for image segmentation in three dimensions. <i>Engineering Applications of Artificial Intelligence</i> , 2020, 96, 103998.	4.3	10

#	ARTICLE	IF	CITATIONS
325	MicroRNA-497 inhibits inflammation in DSS-induced IBD model mice and lipopolysaccharide-induced RAW264.7 cells via Wnt/ β^2 -catenin pathway. <i>International Immunopharmacology</i> , 2021, 101, 108318.	1.7	10
326	Bone remodeling following mandibular reconstruction using fibula free flap. <i>Journal of Biomechanics</i> , 2022, 133, 110968.	0.9	10
327	Investigation into multiaxial mechanical behaviors of Kelvin and Octet-B polymeric closed-cell foams. <i>Thin-Walled Structures</i> , 2022, 177, 109405.	2.7	10
328	Crashworthiness optimization of new thin-walled cellular configurations. <i>Engineering Computations</i> , 2014, 31, 879-897.	0.7	9
329	A Kirigami Approach to Forming a Synthetic Buckliball. <i>Scientific Reports</i> , 2016, 6, 33016.	1.6	9
330	A Preoperative Analytical Model for Patient-Specific Impingement Analysis in Total Hip Arthroplasty. <i>Advances in Orthopedics</i> , 2019, 2019, 1-9.	0.4	9
331	Improved mode II interlaminar fracture toughness of random polypropylene composite laminate via multiscale reinforcing formed by introducing functional nanofibrillated cellulose. <i>Composites Part B: Engineering</i> , 2020, 203, 108481.	5.9	9
332	Subject specific finite element modeling of periprosthetic femoral fracture using element deactivation to simulate bone failure. <i>Medical Engineering and Physics</i> , 2015, 37, 567-573.	0.8	8
333	Characterization of tissue scaffolds for time-dependent biotransport criteria "a novel computational procedure. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2016, 19, 1210-1224.	0.9	8
334	Interfacial Curvature in Confined Coculture Directs Stromal Cell Activity with Spatial Corralling of Pancreatic Cancer Cells. <i>Advanced Biology</i> , 2021, 5, e2000525.	1.4	8
335	On fatigue failure prediction of prosthetic devices through XFEM analysis. <i>International Journal of Fatigue</i> , 2021, 147, 106160.	2.8	8
336	The Effect of a Degenerative Spine and Adverse Pelvic Mobility on Prosthetic Impingement in Patients Undergoing Total Hip Arthroplasty. <i>Journal of Arthroplasty</i> , 2021, 36, 2523-2529.	1.5	8
337	Finite periodic topology optimization with oriented unit-cells. <i>Structural and Multidisciplinary Optimization</i> , 2021, 64, 1765-1779.	1.7	8
338	Age-associated alteration in Th17 cell response is related to endothelial cell senescence and atherosclerotic cerebral infarction. <i>American Journal of Translational Research (discontinued)</i> , 2017, 9, 5160-5168.	0.0	8
339	Functionally Graded Dental Implant and its Effect on Bone Remodeling. <i>Advanced Materials Research</i> , 0, 47-50, 1035-1038.	0.3	7
340	A study of shape optimization on the metallic nanoparticles for thin-film solar cells. <i>Nanoscale Research Letters</i> , 2013, 8, 447.	3.1	7
341	Evaluation of an optimized shade guide made from porcelain powder mixtures. <i>Journal of Prosthetic Dentistry</i> , 2014, 112, 1553-1558.	1.1	7
342	The Relationship of Mandibular Morphology with Residual Ridge Resorption Associated with Implant-Retained Overdentures. <i>International Journal of Prosthodontics</i> , 2016, 29, 573-580.	0.7	7

#	ARTICLE	IF	CITATIONS
343	Micro-CT based modelling for characterising injection-moulded porous titanium implants. International Journal for Numerical Methods in Biomedical Engineering, 2017, 33, e02779.	1.0	7
344	Conflict resolution for enhancing shipping safety and improving navigational traffic within a seaport: vessel arrival scheduling. Transportmetrica A: Transport Science, 2017, 13, 727-741.	1.3	7
345	Impact resistance performance and optimal design of a sandwich beam with a negative stiffness core. Journal of Mechanical Science and Technology, 2019, 33, 3147-3159.	0.7	7
346	Nanomechanical characterization of time-dependent deformation/recovery on human dentin caused by radiation-induced glycation. Journal of the Mechanical Behavior of Biomedical Materials, 2019, 90, 248-255.	1.5	7
347	Effects of Luting Composites on the Resultant Colors of Ceramic Veneers to Intended Shade Tab. Journal of Prosthodontics, 2019, 28, 327-331.	1.7	7
348	Spectrophotometric evaluation of color errors generated in the visual color duplication procedure for current ceramic veneers. Journal of Dental Sciences, 2021, 16, 145-153.	1.2	7
349	Improved impact property of long glass fiber-reinforced polypropylene random copolymer composites toughened with beta-nucleating agent via tuning the crystallization and phase. Polymer Composites, 2021, 42, 3169-3183.	2.3	7
350	Multiobjective optimization on cooperative control of autonomous emergency steering and occupant restraint system for enhancing occupant safety. Accident Analysis and Prevention, 2021, 159, 106302.	3.0	7
351	Injury biomechanics-based nondeterministic optimization of front-end structures for safety in pedestrian-vehicle impact. Thin-Walled Structures, 2021, 167, 108087.	2.7	7
352	Mechanical failure of posterior teeth due to caries and occlusal wear- A modelling study. Journal of the Mechanical Behavior of Biomedical Materials, 2022, 125, 104942.	1.5	7
353	High-temperature and dynamic mechanical characterization of closed-cell aluminum foams. International Journal of Mechanical Sciences, 2022, 230, 107548.	3.6	7
354	Creating Biomaterials Inspired by the Microstructure of Cuttlebone. Materials Science Forum, 2010, 654-656, 2229-2232.	0.3	6
355	Magnetic Resonance Imaging (MRI) Based Finite Element Modeling for Analyzing the Influence of Material Properties on Menisci Responses. Applied Mechanics and Materials, 0, 553, 305-309.	0.2	6
356	A finite-element approach to evaluating the size effects of complex nanostructures. Royal Society Open Science, 2016, 3, 160625.	1.1	6
357	Identification of dynamic load for prosthetic structures. International Journal for Numerical Methods in Biomedical Engineering, 2017, 33, e2889.	1.0	6
358	Computational Design for Scaffold Tissue Engineering. Springer Series in Biomaterials Science and Engineering, 2017, , 349-369.	0.7	6
359	Three-dimensional reconstruction of internal fascicles and microvascular structures of human peripheral nerves. International Journal for Numerical Methods in Biomedical Engineering, 2019, 35, e3245.	1.0	6
360	Vibration and Sound Transmission Performance of Sandwich Panels with Uniform and Gradient Auxetic Double Arrowhead Honeycomb Cores. Shock and Vibration, 2019, 2019, 1-16.	0.3	6

#	ARTICLE	IF	CITATIONS
361	Implicit Integration of the Unified Yield Criterion in the Principal Stress Space. Journal of Engineering Mechanics - ASCE, 2019, 145, .	1.6	6
362	Dermoscopic Features Summarization and Comparison of Four Types of Cutaneous Vascular Anomalies. Frontiers in Medicine, 2021, 8, 692060.	1.2	6
363	Microstructural heterogeneity of the collagenous network in the loaded and unloaded periodontal ligament and its biomechanical implications. Journal of Structural Biology, 2021, 213, 107772.	1.3	6
364	Contact-Driven Crack Formation in Dental Ceramic Materials. Key Engineering Materials, 2006, 324-325, 1257-1260.	0.4	5
365	Computational Fracture Modelling in Bioceramic Structures. Advanced Materials Research, 0, 268-270, 853-856.	0.3	5
366	Influence of blood vessel conductivity in cochlear implant stimulation using a finite element head model. , 2013, 2013, 5291-4.		5
367	Double-negative metamaterial from conducting spheres with a high-permittivity shell. Optics Letters, 2014, 39, 4587.	1.7	5
368	Design of fiber metamaterials with negative refractive index in the infrared. Optics Express, 2015, 23, 18236.	1.7	5
369	Dendritic cell-targeted CD40 DNA vaccine suppresses Th17 and ameliorates progression of experimental autoimmune glomerulonephritis. Journal of Leukocyte Biology, 2019, 105, 809-819.	1.5	5
370	Roles of functional strain and capsule compression on mandibular cyst expansion and cortication. Archives of Oral Biology, 2019, 98, 1-8.	0.8	5
371	Topology Design of Structures Subjected to Thermal Loading by Evolutionary Optimization Procedure. , 1997, , .		5
372	Body-fitted bi-directional evolutionary structural optimization using nonlinear diffusion regularization. Computer Methods in Applied Mechanics and Engineering, 2022, 396, 115114.	3.4	5
373	Incorporating vascular structure into electric volume conduction models of the cochlea. , 2012, , .		4
374	Validate Mandible Finite Element Model under Removable Partial Denture (RPD) with <i>In Vivo</i> Pressure Measurement. Applied Mechanics and Materials, 0, 553, 322-326.	0.2	4
375	Development of a novel identification platform for automotive dampers. International Journal of Vehicle Design, 2014, 66, 272.	0.1	4
376	Design for minimizing fracture risk of all-ceramic cantilever dental bridge. Bio-Medical Materials and Engineering, 2015, 26, S19-S25.	0.4	4
377	3-dose of RBD vaccine is sufficient to elicit a long-lasting memory response against SARS-CoV-2 infection. Signal Transduction and Targeted Therapy, 2022, 7, 84.	7.1	4
378	Effect of Fully Porous-Coated (FPC) Technique on Osseointegration of Dental Implants. Advanced Materials Research, 0, 32, 189-192.	0.3	3

#	ARTICLE	IF	CITATIONS
379	Design of Periodic Microstructural Materials by Using Evolutionary Structural Optimization Method. <i>Advanced Materials Research</i> , 0, 32, 279-283.	0.3	3
380	Computational biomechanics of bone's responses to dental prostheses " osseointegration, remodeling and resorption. <i>IOP Conference Series: Materials Science and Engineering</i> , 2010, 10, 012122.	0.3	3
381	Assessing the Effects of Natural Variations in Microstructure for the Biomimetic Modeling of Cuttlebone. <i>Advanced Materials Research</i> , 2010, 123-125, 295-298.	0.3	3
382	Investigating size effects of complex nanostructures through Young-Laplace equation and finite element analysis. <i>Journal of Applied Physics</i> , 2015, 118, 204301.	1.1	3
383	On design for additive manufacturing (DAM) parameter and its effects on biomechanical properties of 3D printed ceramic scaffolds. <i>Materials Today Communications</i> , 2020, 23, 101065.	0.9	3
384	Energy restriction causes metaphase delay and chromosome mis-segregation in cancer cells. <i>Cell Cycle</i> , 2021, 20, 1195-1208.	1.3	3
385	Multiscale Remodelling and Topographical Optimisation for Porous Implant Surface Morphology Design. <i>Springer Series in Biomaterials Science and Engineering</i> , 2017, , 71-105.	0.7	3
386	The role of non- bacteria in the development of gastric cancer. <i>American Journal of Cancer Research</i> , 2020, 10, 2271-2281.	1.4	3
387	Improving antistatic and mechanical properties of glass fiber reinforced polypropylene composites through polar adsorption and anchoring effect of organic salt. <i>Composites Science and Technology</i> , 2022, 220, 109285.	3.8	3
388	Correlation between kinematics and biomechanics of helmeted head under different impact conditions. <i>Composite Structures</i> , 2022, 291, 115514.	3.1	3
389	Effect of Particle Size of Fully Porous-Coated (FPC) Implants on Osseointegration. <i>Advanced Materials Research</i> , 0, 47-50, 916-919.	0.3	2
390	Monitoring natural frequency for osseointegration and bone remodeling induced by dental implants. , 2009, , .		2
391	Sensitivity analysis for electromagnetic topology optimization problems. <i>IOP Conference Series: Materials Science and Engineering</i> , 2010, 10, 012199.	0.3	2
392	Comparing Contact Pressure Induced by a Conventional Complete Denture and an Implant-Retained Overdenture. <i>Applied Mechanics and Materials</i> , 2014, 553, 384-389.	0.2	2
393	Multiscale metamaterials: a new route to isotropic double-negative behaviour at visible frequencies. <i>Optics Express</i> , 2014, 22, 21929.	1.7	2
394	Subject-specific finite element model with an optical tracking system in total hip replacement surgery. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2015, 229, 280-290.	1.0	2
395	Finite Element Modeling of Current Flow from Cochlear Implant Stimulation. , 2011, , .		2
396	Correctability of the knee joint observed under a stressed state. <i>Knee</i> , 2022, 34, 206-216.	0.8	2

#	ARTICLE	IF	CITATIONS
397	Fracture Analysis of Compacted Clay Soil Beams with Offset Notches Based on Three-Point Bending Test: Experimental Characterization and Numerical Simulation. <i>Advances in Civil Engineering</i> , 2022, 2022, 1-17.	0.4	2
398	Three-dimensional finite element modeling of Cochlear implant induced electrical current flows. , 2009, , .		1
399	Multiscale Bone Remodeling Prediction for Fully Porous-Coated (FPC) Dental Implant Supported Prosthesis. <i>Advanced Materials Research</i> , 2009, 79-82, 2167-2170.	0.3	1
400	Fishnet metamaterial with double negative refractive index in blue region of visible spectrum. <i>Proceedings of SPIE</i> , 2013, , .	0.8	1
401	Topology Optimization of Photonic Band Gap Crystals. <i>Applied Mechanics and Materials</i> , 2014, 553, 824-829.	0.2	1
402	Numerical Simulation of Biomechanical Behaviours in Novel Dental Restorations. <i>Applied Mechanics and Materials</i> , 0, 553, 327-331.	0.2	1
403	Biomechanical optimization of subject-specific implant positioning for femoral head resurfacing to reduce fracture risk. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2016, 230, 668-674.	1.0	1
404	XFEM Fracture Modelling for Implant-Supported Fixed Partial Dentures. <i>Applied Mechanics and Materials</i> , 2016, 846, 488-493.	0.2	1
405	Buckling-Induced Assembly of Three-Dimensional Tunable Metamaterials (Phys. Status Solidi RRL 4/2018). <i>Physica Status Solidi - Rapid Research Letters</i> , 2018, 12, 1870314.	1.2	1
406	Buckling-Induced Assembly of Three-Dimensional Tunable Metamaterials. <i>Physica Status Solidi - Rapid Research Letters</i> , 2018, 12, 1700420.	1.2	1
407	A computational investigation into the impact resistance of a precise finite element model derived from micro-CT data of a woodpecker's head. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020, 112, 104107.	1.5	1
408	Imbalance of circulating innate lymphoid cell subpopulations in patients with chronic kidney disease. <i>Clinical Immunology</i> , 2022, 239, 109029.	1.4	1
409	Characterization and design of 3D scaffolds for biofluidic criteria. , 2009, , .		0
410	Directed glia-assisted angiogenesis in a mature neurosensory structure: Pericytes mediate an adaptive response in human dental pulp that maintains blood-barrier function. <i>Journal of Comparative Neurology</i> , 2012, 520, Spc1-Spc1.	0.9	0
411	Influence of different luting agents on the stress distributions of implant-supported all-ceramic single crown. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2013, 28, 1227-1230.	0.4	0
412	A Design Procedure for Electric Inductive Capacitive Resonators with Negative Permittivity. <i>Applied Mechanics and Materials</i> , 0, 448-453, 2199-2202.	0.2	0
413	Automated High Quality Isosurface Modeling Technique for Iterative Two-Phase Problems. <i>Applied Mechanics and Materials</i> , 2014, 553, 818-823.	0.2	0
414	Buckling-Induced Retraction of Structured Spherical Shell under Pressure. <i>Applied Mechanics and Materials</i> , 2014, 553, 842-846.	0.2	0

#	ARTICLE	IF	CITATIONS
415	Impaction Loads Resulting in Intraoperative Periprosthetic Femoral Fracture: A Finite Element Study. Applied Mechanics and Materials, 2014, 553, 299-304.	0.2	0
416	Modeling the effects of electrode recessing on electrochemical safety in cochlear implant electrodes. , 2015, , .		0
417	The Biomechanical Responses of Mandibular Bone Installed with Fixed Partial Denture. Applied Mechanics and Materials, 2016, 846, 276-281.	0.2	0
418	Discrete sensitivity-based evolutionary design optimization. , 2003, , 2373-2377.		0
419	Porous Titanium Implant and Micro-CT Based Characterization of Sub-Surface Morphology. , 2013, , 1579-1586.		0
420	Multi-objective Reliability-Based Design Optimization for Energy Absorption Components Considering Manufacturing Effects. , 2018, , 310-319.		0