Xu Guo

List of Publications by Year in descending order

146 papers	6,706 citations	57758 44 h-index	71685 76 g-index
148 all docs	148 docs citations	148 times ranked	2705 citing authors

#	Article	IF	Citations
1	Doing Topology Optimization Explicitly and Geometricallyâ€"A New Moving Morphable Components Based Framework. Journal of Applied Mechanics, Transactions ASME, 2014, 81, .	2.2	731
2	A new topology optimization approach based on Moving Morphable Components (MMC) and the ersatz material model. Structural and Multidisciplinary Optimization, 2016, 53, 1243-1260.	3.5	387
3	Explicit structural topology optimization based on moving morphable components (MMC) with curved skeletons. Computer Methods in Applied Mechanics and Engineering, 2016, 310, 711-748.	6.6	245
4	Self-supporting structure design in additive manufacturing through explicit topology optimization. Computer Methods in Applied Mechanics and Engineering, 2017, 323, 27-63.	6.6	224
5	Explicit three dimensional topology optimization via Moving Morphable Void (MMV) approach. Computer Methods in Applied Mechanics and Engineering, 2017, 322, 590-614.	6.6	172
6	Recent development in structural design and optimization. Acta Mechanica Sinica/Lixue Xuebao, 2010, 26, 807-823.	3.4	158
7	Explicit feature control in structural topology optimization via level set method. Computer Methods in Applied Mechanics and Engineering, 2014, 272, 354-378.	6.6	156
8	Structural Topology Optimization Through Explicit Boundary Evolution. Journal of Applied Mechanics, Transactions ASME, 2017, 84, .	2.2	149
9	Stress-related topology optimization via level set approach. Computer Methods in Applied Mechanics and Engineering, 2011, 200, 3439-3452.	6.6	137
10	An explicit length scale control approach in SIMP-based topology optimization. Computer Methods in Applied Mechanics and Engineering, 2014, 282, 71-86.	6.6	133
11	Stress-related topology optimization of continuum structures involving multi-phase materials. Computer Methods in Applied Mechanics and Engineering, 2014, 268, 632-655.	6.6	130
12	A Moving Morphable Void (MMV)-based explicit approach for topology optimization considering stress constraints. Computer Methods in Applied Mechanics and Engineering, 2018, 334, 381-413.	6.6	118
13	Additive Manufacturing-Oriented Design of Graded Lattice Structures Through Explicit Topology Optimization. Journal of Applied Mechanics, Transactions ASME, 2017, 84, .	2.2	112
14	Topology optimization with multiple materials via moving morphable component (MMC) method. International Journal for Numerical Methods in Engineering, 2018, 113, 1653-1675.	2.8	112
15	Machine Learning-Driven Real-Time Topology Optimization Under Moving Morphable Component-Based Framework. Journal of Applied Mechanics, Transactions ASME, 2019, 86, .	2.2	112
16	Multi-scale robust design and optimization considering load uncertainties. Computer Methods in Applied Mechanics and Engineering, 2015, 283, 994-1009.	6.6	99
17	Minimum length scale control in structural topology optimization based on the Moving Morphable Components (MMC) approach. Computer Methods in Applied Mechanics and Engineering, 2016, 311, 327-355.	6.6	99
18	Wireless sensors for continuous, multimodal measurements at the skin interface with lower limb prostheses. Science Translational Medicine, 2020, 12, .	12.4	93

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19	Confidence structural robust design and optimization under stiffness and load uncertainties. Computer Methods in Applied Mechanics and Engineering, 2009, 198, 3378-3399.	6.6	89
20	Multi-scale concurrent material and structural design under mechanical and thermal loads. Computational Mechanics, 2016, 57, 437-446.	4.0	88
21	A new three-dimensional topology optimization method based on moving morphable components (MMCs). Computational Mechanics, 2017, 59, 647-665.	4.0	88
22	Electronic skin as wireless human-machine interfaces for robotic VR. Science Advances, 2022, 8, eabl6700.	10.3	88
23	Robust structural topology optimization considering boundary uncertainties. Computer Methods in Applied Mechanics and Engineering, 2013, 253, 356-368.	6.6	85
24	Battery-free, wireless soft sensors for continuous multi-site measurements of pressure and temperature from patients at risk for pressure injuries. Nature Communications, 2021, 12, 5008.	12.8	83
25	Predicting the elastic properties of single-walled carbon nanotubes. Journal of the Mechanics and Physics of Solids, 2005, 53, 1929-1950.	4.8	76
26	Clustering discretization methods for generation of material performance databases in machine learning and design optimization. Computational Mechanics, 2019, 64, 281-305.	4.0	74
27	Optimal topology design of continuum structures with stress concentration alleviation via level set method. International Journal for Numerical Methods in Engineering, 2013, 93, 942-959.	2.8	67
28	Explicit layout control in optimal design of structural systems with multiple embedding components. Computer Methods in Applied Mechanics and Engineering, 2015, 290, 290-313.	6.6	67
29	An efficient moving morphable component (MMC)-based approach for multi-resolution topology optimization. Structural and Multidisciplinary Optimization, 2018, 58, 2455-2479.	3.5	67
30	Structural complexity control in topology optimization via moving morphable component (MMC) approach. Structural and Multidisciplinary Optimization, 2017, 56, 535-552.	3.5	66
31	Explicit topology optimization using IGA-based moving morphable void (MMV) approach. Computer Methods in Applied Mechanics and Engineering, 2020, 360, 112685.	6.6	65
32	Miniaturized electromechanical devices for the characterization of the biomechanics of deep tissue. Nature Biomedical Engineering, 2021, 5, 759-771.	22.5	65
33	Frequency-Preserved Acoustic Diode Model with High Forward-Power-Transmission Rate. Physical Review Applied, 2015, 3, .	3.8	63
34	A new computational framework for materials with different mechanical responses in tension and compression and its applications. International Journal of Solids and Structures, 2016, 100-101, 54-73.	2.7	63
35	Soft, bioresorbable coolers for reversible conduction block of peripheral nerves. Science, 2022, 377, 109-115.	12.6	62
36	Lagrangian Description Based Topology Optimizationâ€"A Revival of Shape Optimization. Journal of Applied Mechanics, Transactions ASME, 2016, 83, .	2.2	59

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37	Topological optimization of biomimetic sandwich structures with hybrid core and CFRP face sheets. Composites Science and Technology, 2017, 142, 79-90.	7.8	59
38	Variational principles and the related bounding theorems for bi-modulus materials. Journal of the Mechanics and Physics of Solids, 2014, 73, 183-211.	4.8	56
39	Derivation of heterogeneous material laws via data-driven principal component expansions. Computational Mechanics, 2019, 64, 365-379.	4.0	53
40	Confidence extremal structural response analysis of truss structures under static load uncertainty via SDP relaxation. Computers and Structures, 2009, 87, 246-253.	4.4	51
41	Extreme structural response analysis of truss structures under material uncertainty via linear mixed 0â€“1 programming. International Journal for Numerical Methods in Engineering, 2008, 76, 253-277.	2.8	50
42	A Moving Morphable Component Based Topology Optimization Approach for Rib-Stiffened Structures Considering Buckling Constraints. Journal of Mechanical Design, Transactions of the ASME, 2018, 140, .	2.9	50
43	Two-Fold Anisotropy Governs Morphological Evolution and Stress Generation in Sodiated Black Phosphorus for Sodium Ion Batteries. Nano Letters, 2017, 17, 2299-2306.	9.1	48
44	Adhesive contact on power-law graded elastic solids: The JKRâ€“DMT transition using a double-Hertz model. Journal of the Mechanics and Physics of Solids, 2013, 61, 2473-2492.	4.8	47
45	A novel asymptotic-analysis-based homogenisation approach towards fast design of infill graded microstructures. Journal of the Mechanics and Physics of Solids, 2019, 124, 612-633.	4.8	46
46	MAP123: A data-driven approach to use 1D data for 3D nonlinear elastic materials modeling. Computer Methods in Applied Mechanics and Engineering, 2019, 357, 112587.	6.6	42
47	Stress-related topology optimization of shell structures using IGA/TSA-based Moving Morphable Void (MMV) approach. Computer Methods in Applied Mechanics and Engineering, 2020, 366, 113036.	6.6	41
48	Phase field modeling of fracture in nonlinearly elastic solids via energy decomposition. Computer Methods in Applied Mechanics and Engineering, 2019, 347, 477-494.	6.6	40
49	A mixed integer programming for robust truss topology optimization with stress constraints. International Journal for Numerical Methods in Engineering, 2010, 83, 1675-1699.	2.8	39
50	Kirigami pattern design of mechanically driven formation of complex 3D structures through topology optimization. Extreme Mechanics Letters, 2017, 15, 139-144.	4.1	39
51	Mechanics of non-slipping adhesive contact on a power-law graded elastic half-space. International Journal of Solids and Structures, 2011, 48, 2565-2575.	2.7	37
52	Explicit structural topology optimization under finite deformation via Moving Morphable Void (MMV) approach. Computer Methods in Applied Mechanics and Engineering, 2019, 344, 798-818.	6.6	37
53	Non-slipping adhesive contact of a rigid cylinder on an elastic power-law graded half-space. International Journal of Solids and Structures, 2010, 47, 1508-1521.	2.7	36
54	Optimal design of shell-graded-infill structures by a hybrid MMC-MMV approach. Computer Methods in Applied Mechanics and Engineering, 2020, 369, 113187.	6.6	32

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55	A Unified Treatment of Axisymmetric Adhesive Contact on a Power-Law Graded Elastic Half-Space. Journal of Applied Mechanics, Transactions ASME, 2013, 80, .	2.2	31
56	Exploring Elastoplastic Constitutive Law of Microstructured Materials Through Artificial Neural Networkâ€"A Mechanistic-Based Data-Driven Approach. Journal of Applied Mechanics, Transactions ASME, 2020, 87, .	2.2	31
57	Mechanics of axisymmetric adhesive contact of rough surfaces involving power-law graded materials. International Journal of Solids and Structures, 2013, 50, 3375-3386.	2.7	30
58	An efficient and easy-to-extend Matlab code of the Moving Morphable Component (MMC) method for three-dimensional topology optimization. Structural and Multidisciplinary Optimization, 2022, 65, 1.	3.5	30
59	Stretchable Sweatâ€Activated Battery in Skinâ€Integrated Electronics for Continuous Wireless Sweat Monitoring. Advanced Science, 2022, 9, e2104635.	11.2	29
60	MAP123-EP: A mechanistic-based data-driven approach for numerical elastoplastic analysis. Computer Methods in Applied Mechanics and Engineering, 2020, 364, 112955.	6.6	28
61	Numerical simulation for finite deformation of single-walled carbon nanotubes at finite temperature using temperature-related higher order Cauchy-Born rule based quasi-continuum model. Computational Materials Science, 2012, 55, 273-283.	3.0	27
62	A quasi-continuum model for human erythrocyte membrane based on the higher order Cauchyâ€"Born rule. Computer Methods in Applied Mechanics and Engineering, 2014, 268, 284-298.	6.6	26
63	Explicit control of structural complexity in topology optimization. Computer Methods in Applied Mechanics and Engineering, 2017, 324, 149-169.	6.6	26
64	The mechanical principles behind the golden ratio distribution of veins in plant leaves. Scientific Reports, 2018, 8, 13859.	3.3	26
65	Generation of smoothly-varying infill configurations from a continuous menu of cell patterns and the asymptotic analysis of its mechanical behaviour. Computer Methods in Applied Mechanics and Engineering, 2020, 366, 113037.	6.6	26
66	Investigation of the thermo-mechanical properties of single-walled carbon nanotubes based on the temperature-related higher order Cauchyâ€"Born rule. Computational Materials Science, 2012, 51, 445-454.	3.0	24
67	Adhesive Contact on Randomly Rough Surfaces Based on the Double-Hertz Model. Journal of Applied Mechanics, Transactions ASME, 2014, 81, .	2.2	24
68	Adhesive contact of a power-law graded elastic half-space with a randomly rough rigid surface. International Journal of Solids and Structures, 2016, 81, 244-249.	2.7	24
69	Gurtin-Murdoch surface elasticity theory revisit: An orbital-free density functional theory perspective. Journal of the Mechanics and Physics of Solids, 2017, 109, 178-197.	4.8	24
70	A study on the bending stiffness of single-walled carbon nanotubes and related issues. Journal of the Mechanics and Physics of Solids, 2010, 58, 428-443.	4.8	22
71	Integrated size and topology optimization of skeletal structures with exact frequency constraints. Structural and Multidisciplinary Optimization, 2014, 50, 113-128.	3.5	22
72	Confidence structural robust optimization by nonâ€linear semidefinite programmingâ€based singleâ€level formulation. International Journal for Numerical Methods in Engineering, 2011, 86, 953-974.	2.8	21

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73	Adhesion between elastic cylinders based on the double-Hertz model. International Journal of Solids and Structures, 2014, 51, 2706-2712.	2.7	21
74	Structural topology optimization involving bi-modulus materials with asymmetric properties in tension and compression. Computational Mechanics, 2019, 63, 335-363.	4.0	21
75	A generalized Maugis-Dugdale solution for adhesion of power-law graded elastic materials. Journal of the Mechanics and Physics of Solids, 2021, 154, 104509.	4.8	21
76	Multi-class, multi-functional designÂof photonic topological insulators by rational symmetry-indicators engineering. Nanophotonics, 2021, 10, 4523-4531.	6.0	21
77	Some symmetry results for optimal solutions in structural optimization. Structural and Multidisciplinary Optimization, 2012, 46, 631-645.	3.5	20
78	Quasi-Continuum Model for the Finite Deformation of Single-Layer Graphene Sheets Based on the Temperature-Related Higher Order Cauchy-Born Rule. Journal of Computational and Theoretical Nanoscience, 2013, 10, 154-164.	0.4	20
79	Fracture in tensionâ€“compression-asymmetry solids via phase field modeling. Computer Methods in Applied Mechanics and Engineering, 2019, 357, 112573.	6.6	20
80	Infrared Skinâ€Like Active Stretchable Electronics Based on Organicâ€“Inorganic Composite Structures for Promotion of Cutaneous Wound Healing. Advanced Materials Technologies, 2019, 4, 1900150.	5.8	19
81	Tension-compression asymmetry at finite strains: A theoretical model and exact solutions. Journal of the Mechanics and Physics of Solids, 2020, 143, 104084.	4.8	19
82	Establishment of a new OSCC cell line derived from OLK and identification of malignant transformation-related proteins by differential proteomics approach. Scientific Reports, 2015, 5, 12668.	3.3	18
83	On the contact and adhesion of a piezoelectric half-space under a rigid punch with an axisymmetric power-law profile. Mechanics of Materials, 2019, 129, 189-197.	3.2	18
84	MAP123-EPF: A mechanistic-based data-driven approach for numerical elastoplastic modeling at finite strain. Computer Methods in Applied Mechanics and Engineering, 2021, 373, 113484.	6.6	18
85	Moving Morphable Components-based inverse design formulation for quantum valley/spin hall insulators. Extreme Mechanics Letters, 2021, 45, 101276.	4.1	18
86	Epsilon-continuation approach for truss topology optimization. Acta Mechanica Sinica/Lixue Xuebao, 2004, 20, 526-533.	3.4	17
87	Finite deformation of single-walled carbon nanocones under axial compression using a temperature-related multiscale quasi-continuum model. Computational Materials Science, 2016, 114, 244-253.	3.0	17
88	An Optimization Approach for Stiffener Layout of Composite Stiffened Panels Based on Moving Morphable Components (MMCs). Acta Mechanica Solida Sinica, 2020, 33, 650-662.	1.9	17
89	Combined model-based topology optimization of stiffened plate structures via MMC approach. International Journal of Mechanical Sciences, 2021, 208, 106682.	6.7	17
90	A unified framework for explicit layout/topology optimization of thin-walled structures based on Moving Morphable Components (MMC) method and adaptive ground structure approach. Computer Methods in Applied Mechanics and Engineering, 2022, 396, 115047.	6.6	17

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91	A level set approach for damage identification of continuum structures based on dynamic responses. Journal of Sound and Vibration, 2017, 386, 100-115.	3.9	15
92	Learning material law from displacement fields by artificial neural network. Theoretical and Applied Mechanics Letters, 2020, 10, 202-206.	2.8	15
93	Mechanistically informed data-driven modeling of cyclic plasticity via artificial neural networks. Computer Methods in Applied Mechanics and Engineering, 2022, 393, 114766.	6.6	15
94	Mode-mixity-dependent adhesion of power-law graded elastic solids under normal load and substrate stretch-induced mismatch strain. International Journal of Solids and Structures, 2012, 49, 2349-2357.	2.7	14
95	A double-Westergaard model for adhesive contact of a wavy surface. International Journal of Solids and Structures, 2016, 102-103, 66-76.	2.7	14
96	A magnification-based multi-asperity (MBMA) model of rough contact without adhesion. Journal of the Mechanics and Physics of Solids, 2019, 133, 103724.	4.8	14
97	Plane Contact and Partial Slip Behaviors of Elastic Layers With Randomly Rough Surfaces. Journal of Applied Mechanics, Transactions ASME, 2015, 82, .	2.2	13
98	General Finite-Element Framework of the Virtual Fields Method in Nonlinear Elasticity. Journal of Elasticity, 2021, 145, 265-294.	1.9	13
99	On speeding up an asymptotic-analysis-based homogenisation scheme for designing gradient porous structured materials using a zoning strategy. Structural and Multidisciplinary Optimization, 2020, 62, 457-473.	3.5	12
100	A scaled boundary finite element based explicit topology optimization approach for threeâ€dimensional structures. International Journal for Numerical Methods in Engineering, 2020, 121, 4878-4900.	2.8	12
101	Characterisation of dislocation patterning behaviour with a continuum dislocation dynamics model on two parallel slip planes equipped with a deep neural network resolving local microstructures. International Journal of Solids and Structures, 2020, 198, 57-71.	2.7	12
102	Compliance minimisation of smoothly varying multiscale structures using asymptotic analysis and machine learning. Computer Methods in Applied Mechanics and Engineering, 2022, 395, 114861.	6.6	12
103	Symmetry properties in structural optimization: some extensions. Structural and Multidisciplinary Optimization, 2013, 47, 783-794.	3.5	11
104	Edge Delamination and Residual Properties of Drilled Carbon Fiber Composites with and without Short-Aramid-Fiber Interleaf. Applied Composite Materials, 2016, 23, 973-985.	2.5	11
105	Role of Grain Boundaries under Long-Time Radiation. Physical Review Letters, 2018, 120, 222501.	7.8	11
106	Introducing regularization into the virtual fields method (VFM) to identify nonhomogeneous elastic property distributions. Computational Mechanics, 2021, 67, 1581-1599.	4.0	11
107	Flexoelectric nanostructure design using explicit topology optimization. Computer Methods in Applied Mechanics and Engineering, 2022, 394, 114943.	6.6	11
108	A NOTE ON A JELLYFISH-LIKE FEASIBLE DOMAIN IN STRUCTURAL TOPOLOGY OPTIMIZATION. Engineering Optimization, 1998, 31, 1-24.	2.6	10

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109	Revisiting the Maugisâ€“Dugdale Adhesion Model of Elastic Periodic Wavy Surfaces. Journal of Applied Mechanics, Transactions ASME, 2016, 83, .	2.2	10
110	A three-scale homogenisation approach to the prediction of long-time absorption of radiation induced interstitials by nanovoids at interfaces. Journal of the Mechanics and Physics of Solids, 2017, 105, 1-20.	4.8	10
111	Deformation and pattern transformation of porous soft solids under biaxial loading: Experiments and simulations. Extreme Mechanics Letters, 2018, 20, 81-90.	4.1	10
112	Void nucleation in alloys with lamella particles under biaxial loadings. Extreme Mechanics Letters, 2018, 22, 42-50.	4.1	8
113	twin nucleation at prismatic/basal boundary in hexagonal close-packed metals. Philosophical Magazine, 2019, 99, 2584-2603.	1.6	8
114	Topology optimization of plate structures using plate element-based moving morphable component (MMC) approach. Acta Mechanica Sinica/Lixue Xuebao, 2020, 36, 412-421.	3.4	8
115	Quasi-Continuum Contact Model for the Simulation of Severe Deformation of Single-Walled Carbon Nanotubes at Finite Temperature. Journal of Computational and Theoretical Nanoscience, 2013, 10, 810-820.	0.4	7
116	Systematic study on the mechanical and electric behaviors of the nonbuckling interconnect design of stretchable electronics. Science China: Physics, Mechanics and Astronomy, 2018, 61, 1.	5.1	7
117	Explicit structural topology optimization using boundary element methodâ€based moving morphable void approach. International Journal for Numerical Methods in Engineering, 2021, 122, 6155-6179.	2.8	7
118	Design of optimized architected structures with exact size and connectivity via an enhanced multidomain topology optimization strategy. Computational Mechanics, 2021, 67, 743-762.	4.0	7
119	Topology Optimization on Complex Surfaces Based on the Moving Morphable Component Method and Computational Conformal Mapping. Journal of Applied Mechanics, Transactions ASME, 2022, 89, .	2.2	7
120	Symmetry analysis for structural optimization problems involving reliability measure and bi-modulus materials. Structural and Multidisciplinary Optimization, 2016, 53, 973-984.	3.5	6
121	Moving Morphable Inclusion Approach: An Explicit Framework to Solve Inverse Problem in Elasticity. Journal of Applied Mechanics, Transactions ASME, 2021, 88, .	2.2	6
122	A data-driven approach for modeling tensionâ€“compression asymmetric material behavior: numerical simulation and experiment. Computational Mechanics, 2022, 69, 299-313.	4.0	6
123	Flexible electronics with dynamic interfaces for biomedical monitoring, stimulation, and characterization. International Journal of Mechanical System Dynamics, 2021, 1, 52-70.	2.8	6
124	DOING TOPOLOGY OPTIMIZATION EXPLICITLY AND GEOMETRICALLY: A NEW MOVING MORPHABLE COMPONENTS BASED FRAMEWORK. , 2015, , 31-32.		5
125	A lightweight optimal design model for bolted flange joints without gaskets considering its sealing performance. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2018, 232, 234-255.	2.5	5
126	Leakage analysis of bolted flange joints considering surface roughness: A theoretical model. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2018, 232, 203-233.	2.5	5

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127	Surface Instability of Bilayer Hydrogel Subjected to Both Compression and Solvent Absorption. Polymers, 2018, 10, 624.	4.5	5
128	Explicit Topology Optimization with Moving Morphable Component (MMC) Introduction Mechanism. Acta Mechanica Solida Sinica, 2022, 35, 384-408.	1.9	5
129	Optimisation of spatially varying orthotropic porous structures based on conformal mapping. Computer Methods in Applied Mechanics and Engineering, 2022, 391, 114589.	6.6	5
130	A confirmation of a conjecture on the existence of symmetric optimal solution under multiple loads. Structural and Multidisciplinary Optimization, 2014, 50, 659-661.	3.5	4
131	Exact response bound analysis of truss structures via linear mixed 0â€1 programming and sensitivity bounding technique. International Journal for Numerical Methods in Engineering, 2018, 116, 21-42.	2.8	4
132	Mixed Graph-FEM phase field modeling of fracture in plates and shells with nonlinearly elastic solids. Computer Methods in Applied Mechanics and Engineering, 2021, 389, 114282.	6.6	4
133	Structural Optimization of Fiber-Reinforced Material Based on Moving Morphable Components (MMCs). Acta Mechanica Solida Sinica, 2022, 35, 632-646.	1.9	4
134	A meshless moving morphable component-based method for structural topology optimization without weak material. Acta Mechanica Sinica/Lixue Xuebao, 2022, 38, .	3.4	4
135	Plane Contact and Adhesion of Two Elastic Solids With an Interface Groove. Journal of Applied Mechanics, Transactions ASME, 2018, 85, .	2.2	3
136	G-MAP123: A mechanistic-based data-driven approach for 3D nonlinear elastic modeling â€" Via both uniaxial and equibiaxial tension experimental data. Extreme Mechanics Letters, 2022, 50, 101545.	4.1	3
137	A multiscale, data-driven approach to identifying thermo-mechanically coupled lawsâ€"bottom-up with artificial neural networks. Computational Mechanics, 2022, 70, 163-179.	4.0	3
138	Quasi-continuum study of the buckling behavior of single-walled carbon nanocones subjected to bending under thermal loading. Journal of Materials Research, 2017, 32, 2266-2275.	2.6	2
139	Attempts on representing sink strengths with machine learning formulations and the long-term role of crystalline interfaces in the development of irradiation-induced bubbles. Journal of Nuclear Materials, 2021, 544, 152676.	2.7	2
140	The Effect of Void Arrangement on the Pattern Transformation of Porous Soft Solids under Biaxial Loading. Materials, 2021, 14, 1205.	2.9	2
141	A moving morphable componentâ€based topology optimization approach considering transient structural dynamic responses. International Journal for Numerical Methods in Engineering, 2022, 123, 705-728.	2.8	2
142	A note on stress-constrained truss topology optimization. Structural and Multidisciplinary Optimization, 2004, 27, 136-137.	3.5	1
143	Topology Optimization Based on Explicit Geometry Description. , 2019, , 1-8.		0
144	Topology Optimization Based on Explicit Geometry Description. , 2020, , 2556-2563.		0

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145	Roof Deformation and Collapse of Stamps With Isolated Grooves: A Contact Mechanics Approach. Journal of Applied Mechanics, Transactions ASME, 2022, 89, .	2.2	0
146	Derivation of the Orthotropic Nonlinear Elastic Material Law Driven by Low-Cost Data (DDONE). Acta Mechanica Solida Sinica, 0, , .	1.9	0