

Bao-Zhong Sun

List of Publications by Year in descending order

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197
papers

6,492
citations

76326

40
h-index

98798

67
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203
all docs

203
docs citations

203
times ranked

4342
citing authors

#	ARTICLE	IF	CITATIONS
1	Failure behaviors of 3D braided composites with defects in different locations under low-velocity impact compression. <i>Textile Research Journal</i> , 2022, 92, 196-209.	2.2	3
2	Oxygen vacancy BiO ₂ -x/Bi ₂ WO ₆ synchronous coupling with Bi metal for phenol removal via visible and near-infrared light irradiation. <i>Journal of Colloid and Interface Science</i> , 2022, 605, 342-353.	9.4	43
3	Degradation of torsional behaviors of 3-D braided thin-walled tubes after atmospheric thermal ageing. <i>Thin-Walled Structures</i> , 2022, 170, 108555.	5.3	10
4	Full-field strain and temperature evolution of electroactive three-dimensional braided thermoplastic shape memory composites. <i>Composites Science and Technology</i> , 2022, 219, 109250.	7.8	8
5	Effects of thermo-oxidative aging on 3-D deformation field and mechanical behaviors of 3-D angle-interlock woven composites. <i>Composite Structures</i> , 2022, 281, 115116.	5.8	12
6	Impact crack quantification analyses in 3-D angle-interlock woven composite using image segmentation method. <i>Engineering Fracture Mechanics</i> , 2022, 269, 108529.	4.3	3
7	Electrothermally actuated properties of fabric-reinforced shape memory polymer composites based on core-shell yarn. <i>Composite Structures</i> , 2022, 292, 115681.	5.8	7
8	A Temperature-Sensitive Polymeric Rheology Modifier Used in Water-Based Drilling Fluid for Deepwater Drilling. <i>Gels</i> , 2022, 8, 338.	4.5	8
9	Impact compression damages of 3D braided composites with/without axial yarns after thermo-oxidative ageing. <i>International Journal of Damage Mechanics</i> , 2022, 31, 1349-1372.	4.2	7
10	Effects of defect sizes at different locations on compressive behaviors of 3D braided composites. <i>Thin-Walled Structures</i> , 2022, 179, 109563.	5.3	8
11	Electro-induced tensile deformation of over-braiding composite tube with carbon fiber reinforced shape memory polyurethane filament. <i>Smart Materials and Structures</i> , 2022, 31, 095015.	3.5	4
12	Impact compression behaviors of 3D angle-interlock woven composites under thermo-oxidative ageing. <i>Engineering Fracture Mechanics</i> , 2022, 271, 108654.	4.3	6
13	Finite element modeling on fracture toughness of 3D angle-interlock woven carbon/epoxy composites at microstructure level. <i>Mechanics of Advanced Materials and Structures</i> , 2021, 28, 849-860.	2.6	10
14	Mode I fracture toughness of fiber-reinforced polymer composites: A review. <i>Journal of Industrial Textiles</i> , 2021, 50, 1165-1192.	2.4	36
15	Electrothermal shape memory behavior and recovery force of four-dimensional printed continuous carbon fiber/poly(lactic acid) composite. <i>Smart Materials and Structures</i> , 2021, 30, 025040.	3.5	29
16	Mode-I fracture crack growth behaviors of 3-D angle interlock woven composites under low-velocity wedge-loaded impact. <i>Engineering Fracture Mechanics</i> , 2021, 242, 107468.	4.3	8
17	Investigations of defect effect on dynamic compressive failure of 3D circular braided composite tubes with numerical simulation method. <i>Thin-Walled Structures</i> , 2021, 160, 107381.	5.3	36
18	Damage initiation and propagation mechanisms of 3-D angle-interlock woven composites under thermo-oxidative aging. <i>Composite Structures</i> , 2021, 259, 113462.	5.8	10

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19	Electromagnetic Wave-Absorbing and Bending Properties of Three-Dimensional Honeycomb Woven Composites. <i>Polymers</i> , 2021, 13, 1485.	4.5	3
20	Crack spatial distributions and dynamic thermomechanical properties of 3D braided composites during thermal oxygen ageing. <i>Composites Part A: Applied Science and Manufacturing</i> , 2021, 144, 106355.	7.6	19
21	Numerical and experimental investigation on 3D angle interlock woven fabric under ballistic impact. <i>Composite Structures</i> , 2021, 266, 113778.	5.8	20
22	Microstructure modeling multiple transverse impact damages of 3-D braided composite based on thermo-mechanical coupling approach. <i>Composites Part B: Engineering</i> , 2021, 214, 108741.	12.0	19
23	Near-fiber nanomechanical mapping and impact failure mechanism of 3D braided composites subjected to thermo-oxidative environment. <i>Composites Science and Technology</i> , 2021, 216, 109052.	7.8	12
24	Electro-thermal coupling behavior and temperature distribution of 3-D braided composite under direct current. <i>Composites Science and Technology</i> , 2021, 216, 109043.	7.8	9
25	Low-velocity penetration damage of Kevlar woven fabrics impregnated with shear thickening fluid penetrated with different tups. <i>Mechanics of Advanced Materials and Structures</i> , 2020, 27, 1900-1907.	2.6	4
26	Structural influences of two-dimensional and three-dimensional carbon/epoxy composites on mode I fracture toughness behaviors with rate effects on damage evolution. <i>Journal of Industrial Textiles</i> , 2020, 50, 23-45.	2.4	15
27	Multiple transverse impact damage behaviors of 3-D-braided composite beams under room and high temperatures. <i>International Journal of Damage Mechanics</i> , 2020, 29, 715-747.	4.2	8
28	Low-velocity impact and residual flexural behaviors of 2.5-D woven composite under accelerated thermal ageing: Experiment and numerical modelling. <i>International Journal of Damage Mechanics</i> , 2020, 29, 413-434.	4.2	14
29	3D angle-interlock woven structural wearable triboelectric nanogenerator fabricated with silicone rubber coated graphene oxide/cotton composite yarn. <i>Composites Part B: Engineering</i> , 2020, 200, 108244.	12.0	34
30	Surface Structured Polymer Blend Fibers and Their Application in Fiber Reinforced Composite. <i>Materials</i> , 2020, 13, 4279.	2.9	2
31	Ballistic penetration damages and energy absorptions of stacked cross-plyed composite fabrics and laminated panels. <i>International Journal of Damage Mechanics</i> , 2020, 29, 1465-1484.	4.2	16
32	Shape adaptable and highly resilient 3D braided triboelectric nanogenerators as e-textiles for power and sensing. <i>Nature Communications</i> , 2020, 11, 2868.	12.8	285
33	Wet-spinning assembly and in situ electrodeposition of carbon nanotube-based composite fibers for high energy density wire-shaped asymmetric supercapacitor. <i>Journal of Colloid and Interface Science</i> , 2020, 569, 298-306.	9.4	42
34	Modeling the coupling effects of braiding structure and thermo-oxidative aging on the high-speed impact responses of 3D braided composites. <i>Thin-Walled Structures</i> , 2020, 150, 106705.	5.3	13
35	Influence of transverse compression on axial electromechanical properties of carbon nanotube fibers. <i>Materials and Design</i> , 2020, 188, 108463.	7.0	10
36	Modified Biosurfactant Cationic Alkyl Polyglycoside as an Effective Additive for Inhibition of Highly Reactive Shale. <i>Energy & Fuels</i> , 2020, 34, 1680-1687.	5.1	21

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37	A flexible, high-strength, conductive shape memory composite fabric based on continuous carbon fiber/polyurethane yarn. <i>Smart Materials and Structures</i> , 2020, 29, 085044.	3.5	10
38	Punch shear performance and damage mechanisms of three-dimensional braided composite with different thicknesses. <i>Textile Research Journal</i> , 2019, 89, 2126-2141.	2.2	5
39	Influence of Braiding Angle on Multiple Impact Damages of 3-D Braided Composite along Longitudinal Direction. <i>Applied Composite Materials</i> , 2019, 26, 1261-1280.	2.5	9
40	X-ray tomography and numerical study on low-velocity impact damages of three-dimensional angle-interlock woven composites. <i>Composite Structures</i> , 2019, 230, 111525.	5.8	30
41	Remotely and Sequentially Controlled Actuation of Electroactivated Carbon Nanotube/Shape Memory Polymer Composites. <i>Advanced Materials Technologies</i> , 2019, 4, 1900600.	5.8	50
42	Synergistic effect enhanced shape recovery behavior of metal-4D printed shape memory polymer hybrid composites. <i>Composites Part B: Engineering</i> , 2019, 179, 107536.	12.0	31
43	In situ measurement of strains at different locations in 3-D braided composites with FBG sensors. <i>Composite Structures</i> , 2019, 230, 111527.	5.8	7
44	Microstructural design for enhanced shape memory behavior of 4D printed composites based on carbon nanotube/polylactic acid filament. <i>Composites Science and Technology</i> , 2019, 181, 107692.	7.8	69
45	Effect of pre-crack length on Mode I fracture toughness of 3-D angle-interlock woven composites from finite element analyses. <i>Journal of the Textile Institute</i> , 2019, 110, 1445-1458.	1.9	3
46	Numerical analysis of punch shear failure and stress characteristics of three-dimensional braided composite with different braiding angles. <i>International Journal of Damage Mechanics</i> , 2019, 28, 1418-1437.	4.2	3
47	Multi-scale ageing mechanisms of 3D four directional and five directional braided composites' impact fracture behaviors under thermo-oxidative environment. <i>International Journal of Mechanical Sciences</i> , 2019, 155, 50-65.	6.7	46
48	Effect of braiding angle on dynamic mechanical properties of 3-D braided rectangular composites under multiple impact compressions. <i>Journal of Composite Materials</i> , 2019, 53, 1827-1846.	2.4	9
49	High strain rate compressive behaviors and adiabatic shear band localization of 3-D carbon/epoxy angle-interlock woven composites at different loading directions. <i>Composite Structures</i> , 2019, 211, 502-521.	5.8	36
50	Damage and failure mechanism of 3D carbon fiber/epoxy braided composites after thermo-oxidative ageing under transverse impact compression. <i>Composites Part B: Engineering</i> , 2019, 161, 677-690.	12.0	36
51	High strain rate compressive response of the Cf/SiC composite. <i>Ceramics International</i> , 2019, 45, 6812-6818.	4.8	12
52	Differences of transverse impact damages in 3D angle-interlock woven composites between warp and weft directions. <i>International Journal of Damage Mechanics</i> , 2019, 28, 1203-1227.	4.2	7
53	Comparisons on impact fracture behavior between three-dimensional four directional and five directional braided composite materials. <i>International Journal of Damage Mechanics</i> , 2019, 28, 990-1020.	4.2	12
54	Structural modeling and mechanical characterizing of three-dimensional four-step braided composites: A review. <i>Composite Structures</i> , 2019, 207, 119-128.	5.8	51

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55	Impact fracture behaviors of three-dimensional braided composite U-notch beam subjected to three-point bending. <i>International Journal of Damage Mechanics</i> , 2019, 28, 404-426.	4.2	11
56	Finite element analyses on longitudinal compressive behaviors of 3D braided carbon /epoxy composite with different braided angles at low temperatures. <i>Journal of the Textile Institute</i> , 2019, 110, 37-49.	1.9	1
57	Numerical analyses on thermal stress distribution induced from impact compression in 3D carbon fiber/epoxy braided composite materials. <i>Journal of Thermal Stresses</i> , 2018, 41, 903-919.	2.0	21
58	High-speed visualizing and mesoscale modeling for deformation and damage of 3D angle-interlock woven composites subjected to transverse impacts. <i>International Journal of Mechanical Sciences</i> , 2018, 140, 119-132.	6.7	37
59	Size effects on compressive behaviors of three-dimensional braided composites under high strain rates. <i>Journal of Composite Materials</i> , 2018, 52, 3895-3908.	2.4	10
60	Shape memory behavior and recovery force of 4D printed textile functional composites. <i>Composites Science and Technology</i> , 2018, 160, 224-230.	7.8	115
61	Finite element analyses on bending fatigue of three-dimensional five-directional braided composite T-beam with mixed unit-cell model. <i>Journal of Composite Materials</i> , 2018, 52, 1139-1154.	2.4	16
62	Effects of yarn defects and specimen size on impact compressive damages of 3-D angle interlock woven composites. <i>International Journal of Damage Mechanics</i> , 2018, 27, 1380-1396.	4.2	10
63	Interfacial bonding strength of short carbon fiber/acrylonitrile-butadiene-styrene composites fabricated by fused deposition modeling. <i>Composites Part B: Engineering</i> , 2018, 137, 51-59.	12.0	145
64	Impact damage and compression behaviours of three-dimensional angle-interlock woven composites after thermo-oxidation degradation. <i>Journal of Composite Materials</i> , 2018, 52, 2085-2101.	2.4	9
65	Experimental study on the bending fatigue behaviors of 3D five directional braided T-shaped composites. <i>Journal of the Textile Institute</i> , 2018, 109, 603-613.	1.9	11
66	Finite element modeling of multiple transverse impact damage behaviors of 3-D braided composite beams at microstructure level. <i>International Journal of Mechanical Sciences</i> , 2018, 148, 730-744.	6.7	26
67	Damage mechanisms of 3-D rectangular braided composite under multiple impact compressions. <i>Aerospace Science and Technology</i> , 2018, 82-83, 46-60.	4.8	26
68	A Stretchable Yarn Embedded Triboelectric Nanogenerator as Electronic Skin for Biomechanical Energy Harvesting and Multifunctional Pressure Sensing. <i>Advanced Materials</i> , 2018, 30, e1804944.	21.0	396
69	Experimental and numerical analyses of matrix shrinkage and compressive behavior of 3-D braided composite under thermo-oxidative ageing conditions. <i>Composite Structures</i> , 2018, 204, 320-332.	5.8	24
70	Using near-infrared reflectance spectroscopy to predict physical parameters of beef. <i>Spectroscopy Letters</i> , 2018, 51, 163-168.	1.0	8
71	Shape memory behavior and recovery force of 4D printed laminated Miura-origami structures subjected to compressive loading. <i>Composites Part B: Engineering</i> , 2018, 153, 233-242.	12.0	86
72	Versatile Core-Sheath Yarn for Sustainable Biomechanical Energy Harvesting and Real-Time Human-Interactive Sensing. <i>Advanced Energy Materials</i> , 2018, 8, 1801114.	19.5	212

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73	Finite element analyses on punch shear behaviors of three-dimensional braided composites at microstructure level. <i>International Journal of Damage Mechanics</i> , 2017, 26, 968-988.	4.2	9
74	Influence of temperature and strain rate on the longitudinal compressive crashworthiness of 3D braided composite tubes and finite element analysis. <i>International Journal of Damage Mechanics</i> , 2017, 26, 1003-1027.	4.2	26
75	Thermal-mechanical coupling modeling of 3D braided composite under impact compression loading and high temperature field. <i>Composites Science and Technology</i> , 2017, 140, 73-88.	7.8	41
76	Ultrastrong and excellent dynamic mechanical properties of carbon nanotube composites. <i>Composites Science and Technology</i> , 2017, 141, 137-144.	7.8	32
77	Drop-weight impact behaviors of 3-D angle interlock woven composites after thermal oxidative aging. <i>Composite Structures</i> , 2017, 166, 239-255.	5.8	28
78	Transverse impact performance and finite element analysis of three dimensional braided composite tubes with different braiding layers. <i>Composite Structures</i> , 2017, 168, 345-359.	5.8	32
79	Progressive failure of 3-D textile composites under impact loadings. <i>Composite Structures</i> , 2017, 168, 710-724.	5.8	19
80	Electromechanical behavior of carbon nanotube fibers under transverse compression. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 085303.	2.8	6
81	Strong graphene-interlayered carbon nanotube films with high thermal conductivity. <i>Carbon</i> , 2017, 118, 659-665.	10.3	62
82	Temperature-dependent thermal expansion behaviors of carbon fiber/epoxy plain woven composites: Experimental and numerical studies. <i>Composite Structures</i> , 2017, 176, 329-341.	5.8	45
83	Impact shear damage characterizations of 3D braided composite with X-ray micro-computed tomography and numerical methodologies. <i>Composite Structures</i> , 2017, 176, 43-54.	5.8	53
84	The transverse impact responses of 3-D braided composite I-beam. <i>Composites Part A: Applied Science and Manufacturing</i> , 2017, 94, 158-169.	7.6	26
85	Meso-structure ageing mechanism of 3-D braided composite's compressive behaviors under accelerated thermo-oxidative ageing environment. <i>Mechanics of Materials</i> , 2017, 115, 47-63.	3.2	42
86	A Highly Stretchable and Washable All-Yarn-Based Self-Charging Knitting Power Textile Composed of Fiber Triboelectric Nanogenerators and Supercapacitors. <i>ACS Nano</i> , 2017, 11, 9490-9499.	14.6	419
87	Characterization of residual stress and deformation in additively manufactured ABS polymer and composite specimens. <i>Composites Science and Technology</i> , 2017, 150, 102-110.	7.8	94
88	3D Orthogonal Woven Triboelectric Nanogenerator for Effective Biomechanical Energy Harvesting and as Self-Powered Active Motion Sensors. <i>Advanced Materials</i> , 2017, 29, 1702648.	21.0	321
89	Numerical analysis of thermal expansion behaviors and interfacial thermal stress of 3D braided composite materials. <i>Computational Materials Science</i> , 2017, 138, 77-91.	3.0	24
90	Numerical modeling on compressive behaviors of 3-D braided composites under high temperatures at microstructure level. <i>Composite Structures</i> , 2017, 160, 925-938.	5.8	26

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91	Coupling effect of temperature and braided angle on compressive behaviors of 3D braided carbon/epoxy composite at low temperature. <i>Journal of Composite Materials</i> , 2017, 51, 2531-2547.	2.4	12
92	High-Performance Composites and Their Applications. , 2017, , 341-368.		2
93	Unit cells of composites with symmetric structures for the study of effective thermal properties. <i>Applied Thermal Engineering</i> , 2017, 126, 602-619.	6.0	8
94	Experimental and numerical analyses on the thermal conductive behaviors of carbon fiber/epoxy plain woven composites. <i>International Journal of Heat and Mass Transfer</i> , 2016, 102, 501-517.	4.8	65
95	Responses of 3D four-directional and five-directional circular braided composite tubes under transverse impact. <i>International Journal of Crashworthiness</i> , 2016, 21, 353-366.	1.9	13
96	Comparisons of axial compression behaviors between four-directional and five-directional braided composite tubes under high strain rate loading. <i>Journal of Composite Materials</i> , 2016, 50, 3905-3924.	2.4	16
97	Accelerated thermal ageing of epoxy resin and 3-D carbon fiber/epoxy braided composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2016, 85, 163-171.	7.6	55
98	Quasi-static compression and compression-fatigue characteristics of 3D braided carbon/epoxy tube. <i>Journal of the Textile Institute</i> , 2016, 107, 938-948.	1.9	20
99	Multi-scale finite element analyses on the thermal conductive behaviors of 3D braided composites. <i>Composite Structures</i> , 2016, 143, 9-22.	5.8	50
100	Thermo-mechanical numerical modeling on impact compressive damage of 3-D braided composite materials under room and low temperatures. <i>Aerospace Science and Technology</i> , 2016, 54, 23-40.	4.8	34
101	Energy absorption of three-dimensional braided composites under impact punch shear loading. <i>Textile Research Journal</i> , 2016, 86, 2080-2095.	2.2	4
102	Experimental and numerical investigation on the thermal conduction properties of 2.5D angle-interlock woven composites. <i>Composite Structures</i> , 2016, 154, 319-333.	5.8	33
103	A mesoscale study of thermal expansion behaviors of epoxy resin and carbon fiber/epoxy unidirectional composites based on periodic temperature and displacement boundary conditions. <i>Polymer Testing</i> , 2016, 55, 44-60.	4.8	47
104	Comparisons of thermal conductive behaviors of epoxy resin in unidirectional composite materials. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016, 124, 775-789.	3.6	17
105	Mechanical behaviors of four-step 1-1 braided carbon/epoxy three-dimensional composite tubes under axial compression loading. <i>Polymer Composites</i> , 2016, 37, 3210-3218.	4.6	17
106	Thermal ageing degradation mechanisms on compressive behavior of 3-D braided composites in experimental and numerical study. <i>Composite Structures</i> , 2016, 140, 180-191.	5.8	49
107	Axial compressive deformation and damage of four-step 3-D circular braided composite tubes under various strain rates. <i>Journal of the Textile Institute</i> , 2016, 107, 1584-1600.	1.9	13
108	Transient heat generation and thermo-mechanical response of epoxy resin under adiabatic impact compressions. <i>International Journal of Heat and Mass Transfer</i> , 2016, 95, 874-889.	4.8	37

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109	Multi-scale structure finite element analyses of damage behaviors of multi-axial warp-knitted composite materials subjected to quasi-static and high strain rate compressions. <i>Journal of the Textile Institute</i> , 2016, 107, 879-904.	1.9	9
110	Finite element analysis of 3D circular braided composites tube damage based on three unit cell models under axial compression loading. <i>International Journal of Damage Mechanics</i> , 2016, 25, 574-607.	4.2	19
111	Transverse impact behaviors of 3D braided composites T-beam at elevated temperatures. <i>Journal of Composite Materials</i> , 2016, 50, 3961-3971.	2.4	10
112	Effect of temperature and strain rate on biaxial warp-knitted composite. <i>Journal of Reinforced Plastics and Composites</i> , 2016, 35, 295-304.	3.1	3
113	Multi-scale structure modeling of damage behaviors of 3D orthogonal woven composite materials subject to quasi-static and high strain rate compressions. <i>Mechanics of Materials</i> , 2016, 94, 1-25.	3.2	50
114	Thermo-mechanical behaviors of 3-D braided composite material subject to high strain rate compressions under different temperatures. <i>Mechanics of Advanced Materials and Structures</i> , 2016, 23, 385-401.	2.6	19
115	Experimental and numerical investigation of the transverse impact damage and deformation of 3-D circular braided composite tubes from meso-structure approach. <i>Composites Part B: Engineering</i> , 2016, 86, 243-253.	12.0	55
116	Dynamic responses and damage evolutions of four-step three-dimensional braided composites subjected to high strain rate punch shear loading. <i>Journal of Composite Materials</i> , 2016, 50, 1635-1650.	2.4	16
117	Numerical analyses of bending fatigue of four-step three-dimensional rectangular-braided composite materials from unit cell approach. <i>Journal of the Textile Institute</i> , 2015, 106, 67-79.	1.9	20
118	Numerical analyses of thermo-mechanical behaviors of 3-D rectangular braided composite under different temperatures. <i>Journal of the Textile Institute</i> , 2015, 106, 173-186.	1.9	13
119	Experimental investigation of high-strain rate properties of 3-D braided composite material in cryogenic field. <i>Composites Part B: Engineering</i> , 2015, 77, 379-390.	12.0	42
120	Experimental characterizations of three-point bending fatigue behavior of four-step three-dimensional braided composite T-beam. <i>Journal of Industrial Textiles</i> , 2015, 45, 171-186.	2.4	8
121	Predicting dynamic in-plane compressive properties of multi-axial multi-layer warp-knitted composites with a meso-model. <i>Composites Part B: Engineering</i> , 2015, 77, 278-290.	12.0	24
122	Longitudinal compressive behaviour of 3D braided composite under various temperatures and strain rates. <i>Applied Physics A: Materials Science and Processing</i> , 2015, 118, 1315-1337.	2.3	19
123	The bending fatigue comparison between 3D braided rectangular composites and T-beam composites. <i>Fibers and Polymers</i> , 2015, 16, 634-639.	2.1	11
124	Finite element analyses on transverse impact behaviors of 3-D circular braided composite tubes with different braiding angles. <i>Composites Part A: Applied Science and Manufacturing</i> , 2015, 79, 52-62.	7.6	50
125	Finite element modeling of compressive properties of three-dimensional woven composites under various strain rates. <i>Journal of Composite Materials</i> , 2015, 49, 2519-2528.	2.4	2
126	Numerical simulation of the impact behaviors of shear thickening fluid impregnated warp-knitted spacer fabric. <i>Composites Part B: Engineering</i> , 2015, 69, 191-200.	12.0	55

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127	Effects of temperature and strain rate on impact compression behaviors of three-dimensional carbon fiber/epoxy braided composites. <i>Journal of Composite Materials</i> , 2015, 49, 771-782.	2.4	24
128	Finite element analyses of four-step 3D braided composite bending damage using repeating unit cell model. <i>International Journal of Damage Mechanics</i> , 2015, 24, 59-75.	4.2	19
129	Impact compressive behavior and failure modes of four-step three-dimensional braided composites-based meso-structure model. <i>International Journal of Damage Mechanics</i> , 2015, 24, 805-827.	4.2	32
130	Tensile impact damage behaviors of co-woven-knitted composite materials with a simplified microstructure model. <i>Textile Research Journal</i> , 2014, 84, 1742-1760.	2.2	9
131	Numerical modeling of the mechanical response of basalt plain woven composites under high strain rate compression. <i>Journal of Reinforced Plastics and Composites</i> , 2014, 33, 1087-1104.	3.1	12
132	Structural effects of three-dimensional angle-interlock woven composite undergoing bending cyclic loading. <i>Science China: Physics, Mechanics and Astronomy</i> , 2014, 57, 501-511.	5.1	10
133	Finite element analyses on three-point low-cyclic bending fatigue of 3-D braided composite materials at microstructure level. <i>International Journal of Mechanical Sciences</i> , 2014, 84, 41-53.	6.7	43
134	Experimental and numerical analyses of the mechanical behaviors of three-dimensional orthogonal woven composites under compressive loadings with different strain rates. <i>International Journal of Damage Mechanics</i> , 2014, 23, 636-660.	4.2	32
135	Large-scale finite element analysis of a 3D angle-interlock woven composite undergoing low-cyclic three-point bending fatigue. <i>Journal of the Textile Institute</i> , 2014, 105, 275-293.	1.9	8
136	Development of near infrared reflectance spectroscopy to predict chemical composition with a wide range of variability in beef. <i>Meat Science</i> , 2014, 98, 110-114.	5.5	38
137	Computational schemes on the bending fatigue deformation and damage of three-dimensional orthogonal woven composite materials. <i>Computational Materials Science</i> , 2014, 91, 91-101.	3.0	12
138	Damage Behaviors of Foam Sandwiched Composite Materials Under Quasi-Static Three-point Bending. <i>Applied Composite Materials</i> , 2013, 20, 1231-1246.	2.5	15
139	Low-Velocity Impact Response and Finite Element Analysis of Four-Step 3-D Braided Composites. <i>Applied Composite Materials</i> , 2013, 20, 397-413.	2.5	22
140	An Analytical Model for Predicting Stab Resistance of Flexible Woven Composites. <i>Applied Composite Materials</i> , 2013, 20, 569-585.	2.5	16
141	Strain rate effects on tensile failure of 3-D angle-interlock woven carbon fabric. <i>Materials & Design</i> , 2013, 46, 857-866.	5.1	15
142	Compressive behaviors of warp-knitted spacer fabrics impregnated with shear thickening fluid. <i>Composites Science and Technology</i> , 2013, 88, 184-189.	7.8	55
143	Ballistic impact damages of 3-D angle-interlock woven composites based on high strain rate constitutive equation of fiber tows. <i>International Journal of Impact Engineering</i> , 2013, 57, 145-158.	5.0	35
144	Tension-tension fatigue behavior of layer-to-layer 3-D angle-interlock woven composites. <i>Materials Chemistry and Physics</i> , 2013, 140, 183-190.	4.0	22

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145	Analytical modeling on mechanical responses and damage morphology of flexible woven composites under trapezoid tearing. <i>Textile Reseach Journal</i> , 2013, 83, 1297-1309.	2.2	21
146	Dynamic response and stability of basalt woven fabric composites under impulsive compression. <i>Journal of Reinforced Plastics and Composites</i> , 2013, 32, 137-144.	3.1	7
147	Strain rate effects of tensile behaviors of 3-D orthogonal woven fabric: Experimental and finite element analyses. <i>Textile Reseach Journal</i> , 2013, 83, 337-354.	2.2	14
148	Finite element analyses of stress distributions of three-dimensional angle-interlock woven composite subjected to three-point bending cyclic loading. <i>Journal of the Textile Institute</i> , 2013, 104, 1186-1194.	1.9	7
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