

Bohong Gu

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	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
5	Graded conventional-auxetic Kirigami sandwich structures: Flatwise compression and edgewise loading. <i>Composites Part B: Engineering</i> , 2014, 59, 33-42.	12.0	179
6	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
7	The bending and failure of sandwich structures with auxetic gradient cellular cores. <i>Composites Part A: Applied Science and Manufacturing</i> , 2013, 49, 119-131.	7.6	129
8	Analytical modeling for the ballistic perforation of planar plain-woven fabric target by projectile. <i>Composites Part B: Engineering</i> , 2003, 34, 361-371.	12.0	119
9	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
10	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
11	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
12	Transverse impact behavior and energy absorption of three-dimensional orthogonal hybrid woven composites. <i>Composite Structures</i> , 2007, 81, 202-209.	5.8	79
13	Auxetic composite made with multilayer orthogonal structural reinforcement. <i>Composite Structures</i> , 2016, 135, 23-29.	5.8	77
14	Influence of the strain rate on the uniaxial tensile behavior of 4-step 3D braided composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2005, 36, 1477-1485.	7.6	66
15	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
16	A unit cell approach of finite element calculation of ballistic impact damage of 3-D orthogonal woven composite. <i>Composites Part B: Engineering</i> , 2009, 40, 552-560.	12.0	64
17	Dynamic Capillary-Driven Additive Manufacturing of Continuous Carbon Fiber Composite. <i>Matter</i> , 2020, 2, 1594-1604.	10.0	64
18	Strong graphene-interlayered carbon nanotube films with high thermal conductivity. <i>Carbon</i> , 2017, 118, 659-665.	10.3	62

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19	Ballistic Penetration of Conically Cylindrical Steel Projectile into Plain-woven Fabric Target – A Finite Element Simulation. <i>Journal of Composite Materials</i> , 2004, 38, 2049-2074.	2.4	60
20	FEM simulation of 3D angle-interlock woven composite under ballistic impact from unit cell approach. <i>Computational Materials Science</i> , 2010, 49, 171-183.	3.0	60
21	Compressive behavior of 3-D angle-interlock woven fabric composites at various strain rates. <i>Polymer Testing</i> , 2005, 24, 447-454.	4.8	59
22	Finite element prediction of the impact compressive properties of three-dimensional braided composites using multi-scale model. <i>Composite Structures</i> , 2015, 128, 381-394.	5.8	57
23	Finite element calculation of 4-step 3-dimensional braided composite under ballistic perforation. <i>Composites Part B: Engineering</i> , 2004, 35, 291-297.	12.0	55
24	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
25	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
26	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
27	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
28	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
29	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
30	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
31	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
32	Remotely and Sequentially Controlled Actuation of Electroactivated Carbon Nanotube/Shape Memory Polymer Composites. <i>Advanced Materials Technologies</i> , 2019, 4, 1900600.	5.8	50
33	Constitutive equations of basalt filament tows under quasi-static and high strain rate tension. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010, 527, 3245-3252.	5.6	49
34	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
35	Compressive behavior of multi-axial multi-layer warp knitted (MMWK) fabric composite at various strain rates. <i>Composite Structures</i> , 2007, 78, 84-90.	5.8	48
36	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

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37	Dynamic properties of 3-D orthogonal woven composite T-beam under transverse impact. <i>Composites Part A: Applied Science and Manufacturing</i> , 2008, 39, 1073-1082.	7.6	46
38	Comparisons of static bending and fatigue damage between 3D angle-interlock and 3D orthogonal woven composites. <i>Journal of Reinforced Plastics and Composites</i> , 2012, 31, 935-945.	3.1	46
39	A Numerical Simulation on Ballistic Penetration Damage of 3D Orthogonal Woven Fabric at Microstructure Level. <i>International Journal of Damage Mechanics</i> , 2012, 21, 237-266.	4.2	46
40	Multi-scale ageing mechanisms of 3D four directional and five directional braided compositesâ€™ impact fracture behaviors under thermo-oxidative environment. <i>International Journal of Mechanical Sciences</i> , 2019, 155, 50-65.	6.7	46
41	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
42	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
43	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
44	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
45	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
46	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
47	Impact Damage of 3D Orthogonal Woven Composite Circular Plates. <i>Applied Composite Materials</i> , 2007, 14, 343-362.	2.5	38
48	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
49	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
50	A simplified microstructure model of bi-axial warp-knitted composite for ballistic impact simulation. <i>Composites Part B: Engineering</i> , 2010, 41, 337-353.	12.0	36
51	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
52	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
53	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
54	Prediction of the uniaxial tensile curve of 4-step 3-dimensional braided preform. <i>Composite Structures</i> , 2004, 64, 235-241.	5.8	34

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55	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
56	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
57	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
58	High strain rate behavior of 4-step 3D braided composites under compressive failure. <i>Journal of Materials Science</i> , 2007, 42, 2463-2470.	3.7	32
59	Finite element analyses of low-velocity impact damage of foam sandwiched composites with different ply angles face sheets. <i>Materials & Design</i> , 2013, 47, 189-199.	5.1	32
60	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
61	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
62	Ultrastrong and excellent dynamic mechanical properties of carbon nanotube composites. <i>Composites Science and Technology</i> , 2017, 141, 137-144.	7.8	32
63	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
64	Energy absorption features of 3-D braided rectangular composite under different strain rates compressive loading. <i>Aerospace Science and Technology</i> , 2007, 11, 535-545.	4.8	30
65	Transverse impact behaviors of four-step 3-D rectangular braided composites from unit-cell approach. <i>Journal of Reinforced Plastics and Composites</i> , 2012, 31, 233-246.	3.1	30
66	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
67	Shear Behavior of 3D Orthogonal Woven Fabric Composites under High Strain Rates. <i>Journal of Reinforced Plastics and Composites</i> , 2006, 25, 1833-1845.	3.1	29
68	Transverse impact damage and energy absorption of 3-D multi-structured knitted composite. <i>Composites Part B: Engineering</i> , 2009, 40, 572-583.	12.0	29
69	Numerical simulation of three-point bending fatigue of four-step 3-D braided rectangular composite under different stress levels from unit-cell approach. <i>Computational Materials Science</i> , 2012, 65, 239-246.	3.0	29
70	Comparisons of trapezoid tearing behaviors of uncoated and coated woven fabrics from experimental and finite element analysis. <i>International Journal of Damage Mechanics</i> , 2013, 22, 464-489.	4.2	29
71	Electrothermal shape memory behavior and recovery force of four-dimensional printed continuous carbon fiber/polylactic acid composite. <i>Smart Materials and Structures</i> , 2021, 30, 025040.	3.5	29
72	A Refined Quasi-microstructure Model for Finite Element Analysis of Three-dimensional Braided Composites Under Ballistic Penetration. <i>Journal of Composite Materials</i> , 2005, 39, 685-710.	2.4	28

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73	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
74	Numerical analyses of 3D orthogonal woven composite under three-point bending from multi-scale microstructure approach. <i>Computational Materials Science</i> , 2013, 79, 468-477.	3.0	27
75	Energy absorption of three-dimensional angle-interlock woven composite under ballistic penetration based on a multi-scale finite element model. <i>International Journal of Damage Mechanics</i> , 2015, 24, 3-20.	4.2	27
76	Strain Rate Effect on Four-Step Three-Dimensional Braided Composite Compressive Behavior.. <i>AIAA Journal</i> , 2005, 43, 994-999.	2.6	26
77	Three-point bending fatigue behavior of 3D angle-interlock woven composite. <i>Journal of Composite Materials</i> , 2012, 46, 883-894.	2.4	26
78	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
79	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
80	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
81	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
82	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
83	Energy absorption of 3D orthogonal woven fabric under ballistic penetration of hemispherical-cylindrical projectile. <i>Journal of the Textile Institute</i> , 2011, 102, 875-889.	1.9	25
84	Experimental characterization of transverse impact behaviors of four-step 3-D rectangular braided composites. <i>Journal of Composite Materials</i> , 2012, 46, 3017-3029.	2.4	25
85	Ballistic Perforation of Conically Cylindrical Steel Projectile into Three-Dimensional Braided Composites. <i>AIAA Journal</i> , 2005, 43, 426-434.	2.6	24
86	A microstructure model for finite-element simulation of 3D rectangular braided composite under ballistic penetration. <i>Philosophical Magazine</i> , 2007, 87, 4643-4669.	1.6	24
87	Mechanical Behaviors of 2D and 3D Basalt Fiber Woven Composites Under Various Strain Rates. <i>Journal of Composite Materials</i> , 2010, 44, 1779-1795.	2.4	24
88	Frequency features of co-woven-knitted fabric (CWKF) composite under tension at various strain rates. <i>Composites Part A: Applied Science and Manufacturing</i> , 2011, 42, 446-452.	7.6	24
89	Comparison of stab behaviors of uncoated and coated woven fabrics from experimental and finite element analyses. <i>Textile Research Journal</i> , 2012, 82, 1337-1354.	2.2	24
90	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

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91	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
92	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
93	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
94	Energy absorptions and failure modes of 3D orthogonal hybrid woven composite struck by flat-ended rod. <i>Polymer Composites</i> , 2006, 27, 410-416.	4.6	23
95	Transverse Impact Damage and Energy Absorption of Three-Dimensional Orthogonal Hybrid Woven Composite: Experimental and FEM Simulation. <i>Journal of Composite Materials</i> , 2008, 42, 1763-1786.	2.4	23
96	Micro/meso-scale damage analysis of three-dimensional orthogonal woven composites based on sub-repeating unit cells. <i>Journal of Strain Analysis for Engineering Design</i> , 2012, 47, 313-328.	1.8	23
97	Dynamic Response of 3D Biaxial Spacer Weft-knitted Composite under Transverse Impact. <i>Journal of Reinforced Plastics and Composites</i> , 2006, 25, 1629-1641.	3.1	22
98	Impact Damage of 3D Cellular Woven Composite from Unit-cell Level Analysis. <i>International Journal of Damage Mechanics</i> , 2011, 20, 323-346.	4.2	22
99	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
100	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
101	Frequency Analysis of Stress Waves in Testing 3-D Angle-interlock Woven Composite at High Strain Rates. <i>Journal of Composite Materials</i> , 2007, 41, 2915-2938.	2.4	21
102	Analytical modeling on mechanical responses and damage morphology of flexible woven composites under trapezoid tearing. <i>Textile Research Journal</i> , 2013, 83, 1297-1309.	2.2	21
103	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
104	Nonlinear viscoelastic multi-scale repetitive unit cell model of 3D woven composites with damage evolution. <i>International Journal of Solids and Structures</i> , 2013, 50, 3539-3554.	2.7	20
105	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
106	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
107	Numerical and experimental investigation on 3D angle interlock woven fabric under ballistic impact. <i>Composite Structures</i> , 2021, 266, 113778.	5.8	20
108	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

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109	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
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	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
112	Progressive failure of 3-D textile composites under impact loadings. <i>Composite Structures</i> , 2017, 168, 710-724.	5.8	19
113	Progressive failure of inter-woven carbon-Dyneema fabric reinforced hybrid composites. <i>Composite Structures</i> , 2019, 211, 175-186.	5.8	19
114	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
115	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
116	Impact tensile behavior and frequency response of 3D braided composites. <i>Textile Reseach Journal</i> , 2012, 82, 280-287.	2.2	18
117	Experimental characterizations of bending fatigue of a four-step 3-D braided rectangular composite under different stress levels. <i>Journal of Reinforced Plastics and Composites</i> , 2011, 30, 1571-1582.	3.1	17
118	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
119	Mechanical behaviors of four-step 1 Å– 1 braided carbon/epoxy three-dimensional composite tubes under axial compression loading. <i>Polymer Composites</i> , 2016, 37, 3210-3218.	4.6	17
120	Compressive behavior of biaxial spacer weft knitted fabric reinforced composite at various strain rates. <i>Polymer Composites</i> , 2007, 28, 224-232.	4.6	16
121	Tensile behaviors of co-woven-knitted fabric reinforced composites under various strain rates. <i>Journal of Composite Materials</i> , 2011, 45, 2495-2506.	2.4	16
122	Ballistic impact damage of biaxial multilayer knitted composite. <i>Journal of Composite Materials</i> , 2012, 46, 527-547.	2.4	16
123	An Analytical Model for Predicting Stab Resistance of Flexible Woven Composites. <i>Applied Composite Materials</i> , 2013, 20, 569-585.	2.5	16
124	Characterizations of basalt unsaturated polyester laminates under static three-point bending and low-velocity impact loadings. <i>Polymer Composites</i> , 2014, 35, 2203-2213.	4.6	16
125	Static and low-velocity impact on mechanical behaviors of foam sandwiched composites with different ply angles face sheets. <i>Journal of Composite Materials</i> , 2014, 48, 1173-1188.	2.4	16
126	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

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127	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
128	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
129	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
130	In-plane Compressive Behaviors of 3-D Textile Composites at Various Strain Rates. <i>Applied Composite Materials</i> , 2007, 14, 193-207.	2.5	15
131	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
132	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
133	Fatigue behaviors of four-step three-dimensional braided composite material: a meso-scale approach computation. <i>Textile Research Journal</i> , 2014, 84, 1915-1930.	2.2	15
134	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
135	Shear Behavior of 3-D Biaxial Spacer Weft Knitted Composite under High Strain Rates. <i>Journal of Composite Materials</i> , 2008, 42, 1747-1762.	2.4	14
136	Dynamic Behavior of 3D Biaxial Spacer Weft-Knitted Composite T-Beam Under Transverse Impact. <i>Mechanics of Advanced Materials and Structures</i> , 2009, 16, 356-370.	2.6	14
137	Responses of 3D biaxial spacer weft-knitted composite circular plate under impact loading. Part II: impact tests and FEM calculation. <i>Journal of the Textile Institute</i> , 2010, 101, 35-45.	1.9	14
138	Finite element simulation of three-dimensional angle-interlock woven fabric undergoing ballistic impact. <i>Journal of the Textile Institute</i> , 2011, 102, 982-993.	1.9	14
139	Strain rate effects of tensile behaviors of 3-D orthogonal woven fabric: Experimental and finite element analyses. <i>Textile Research Journal</i> , 2013, 83, 337-354.	2.2	14
140	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
141	Rapid electrothermal-triggered flooded thermoset curing for scalable carbon/polymer composite manufacturing. <i>Composites Science and Technology</i> , 2020, 200, 108409.	7.8	14
142	Tensile Impact Behavior of Multiaxial Multilayer Warp Knitted (MMWK) Fabric Reinforced Composites. <i>Journal of Reinforced Plastics and Composites</i> , 2006, 25, 1305-1315.	3.1	13
143	Frequency features of basalt filament tows under quasi-static and high strain rate tension. <i>Journal of Composite Materials</i> , 2012, 46, 1285-1293.	2.4	13
144	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

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145	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
146	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
147	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
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