Bohong Gu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

229 papers	5,266 citations	36 h-index	59 g-index
242 ext. papers	6,243 ext. citations	4.2 avg, IF	6.2 L-index

#	Paper	IF	Citations
229	Axial Impact Damages of Braided Tubes at Room Temperature. *Engineering Materials*, **2022**, 135-162	0.4	
228	Multiscale Structure Mechanisms on Axial Compressive Impact Damages. *Engineering Materials*, **2022**, 221-251	0.4	
227	Multiscale Geometric Model of 3-D Braided Composites. *Engineering Materials*, **2022**, 47-65	0.4	
226	Axial Impact Damages of Braided Tubes at Low Temperature. *Engineering Materials*, **2022**, 163-174	0.4	
225	Multiscale Structure Mechanisms on Transverse Impact Damages in Beams. *Engineering Materials*, **2022**, 175-219	0.4	
224	Impact Strength with Thermo-mechanical Coupling Effect. *Engineering Materials*, **2022**, 253-280	0.4	
223	Transverse Impact of Braided Beams. *Engineering Materials*, **2022**, 67-103	0.4	
222	Thermo-mechanical Coupling Constitutive Equations of Braided Composites. *Engineering Materials*, **2022**, 33-45	0.4	
221	Transverse Impact of Braided Tubes. *Engineering Materials*, **2022**, 105-134	0.4	
220	Full-field strain and temperature evolution of electroactive three-dimensional braided thermoplastic shape memory composites. *Composites Science and Technology*, **2022**, 219, 109250	8.6	0
219	Effects of thermo-oxidative aging on 3-D deformation field and mechanical behaviors of 3-D angle-interlock woven composites. *Composite Structures*, **2022**, 281, 115116	5.3	2
218	Degradation of torsional behaviors of 3-D braided thin-walled tubes after atmospheric thermal ageing. *Thin-Walled Structures*, **2022**, 170, 108555	4.7	0
217	Impact crack quantification analyses in 3-D angle-interlock woven composite using image segmentation method. *Engineering Fracture Mechanics*, **2022**, 108529	4.2	0
216	Electrothermally actuated properties of fabric-reinforced shape memory polymer composites based on core–shell yarn. *Composite Structures*, **2022**, 292, 115681	5.3	0
215	Temperature and structure effects on the impact damage distribution of 3D braided composites. *Zhongguo Kexue Jishu Kexue/Scientia Sinica Technologica*, **2021**, 51, 108-118	1.3	2
214	Damage initiation and propagation mechanisms of 3-D angle-interlock woven composites under thermo-oxidative aging. *Composite Structures*, **2021**, 259, 113462	5.3	2
213	Crack spatial distributions and dynamic thermomechanical properties of 3D braided composites during thermal oxygen ageing. *Composites Part A: Applied Science and Manufacturing*, **2021**, 144, 106355	8.4	8

212	Numerical and experimental investigation on 3D angle interlock woven fabric under ballistic impact. *Composite Structures*, **2021**, 266, 113778	5.3	5
211	Microstructure modeling multiple transverse impact damages of 3-D braided composite based on thermo-mechanical coupling approach. *Composites Part B: Engineering*, **2021**, 214, 108741	10	10
210	An experimental–numerical study on 3D angle-interlock woven composite under transverse impact at subzero temperatures. *Composite Structures*, **2021**, 268, 113936	5.3	2
209	Finite element modeling on fracture toughness of 3D angle-interlock woven carbon/epoxy composites at microstructure level. *Mechanics of Advanced Materials and Structures*, **2021**, 28, 849-860	1.8	2
208	Electrothermal shape memory behavior and recovery force of four-dimensional printed continuous carbon fiber/polylactic acid composite. *Smart Materials and Structures*, **2021**, 30, 025040	3.4	9
207	Mode-I fracture crack growth behaviors of 3-D angle interlock woven composites under low-velocity wedge-loaded impact. *Engineering Fracture Mechanics*, **2021**, 242, 107468	4.2	3
206	Electric potential distributions in carbon fiber/epoxy plain-woven laminates with different current directions. *Composite Structures*, **2021**, 270, 114059	5.3	2
205	Near-fiber nanomechanical mapping and impact failure mechanism of 3D braided composites subjected to thermo-oxidative environment. *Composites Science and Technology*, **2021**, 216, 109052	8.6	2
204	Electro-thermal coupling behavior and temperature distribution of 3-D braided composite under direct current. *Composites Science and Technology*, **2021**, 216, 109043	8.6	2
203	Electrical resistance changes of 3D carbon fiber/epoxy woven composites under short beam shear loading along different orientations. *Composite Structures*, **2021**, 276, 114549	5.3	2
202	Dynamic Capillary-Driven Additive Manufacturing of Continuous Carbon Fiber Composite. *Matter*, **2020**, 2, 1594-1604	12.7	23
201	Ballistic penetration damages and energy absorptions of stacked cross-plied composite fabrics and laminated panels. *International Journal of Damage Mechanics*, **2020**, 29, 1465-1484	3	8
200	Wet-spinning assembly and in situ electrodeposition of carbon nanotube-based composite fibers for high energy density wire-shaped asymmetric supercapacitor. *Journal of Colloid and Interface Science*, **2020**, 569, 298-306	9.3	15
199	Modeling the coupling effects of braiding structure and thermo-oxidative aging on the high-speed impact responses of 3D braided composites. *Thin-Walled Structures*, **2020**, 150, 106705	4.7	6
198	A flexible, high-strength, conductive shape memory composite fabric based on continuous carbon fiber/polyurethane yarn. *Smart Materials and Structures*, **2020**, 29, 085044	3.4	7
197	Rapid electrothermal-triggered flooded thermoset curing for scalable carbon/polymer composite manufacturing. *Composites Science and Technology*, **2020**, 200, 108409	8.6	3
196	3D angle-interlock woven structural wearable triboelectric nanogenerator fabricated with silicone rubber coated graphene oxide/cotton composite yarn. *Composites Part B: Engineering*, **2020**, 200, 108244	10	14
195	Low-velocity penetration damage of Kevlar woven fabrics impregnated with shear thickening fluid penetrated with different tups. *Mechanics of Advanced Materials and Structures*, **2020**, 27, 1900-1907	1.8	2

194	Structural influences of two-dimensional and three-dimensional carbon/epoxy composites on mode I fracture toughness behaviors with rate effects on damage evolution. *Journal of Industrial Textiles*, **2020**, 50, 23-45	1.6	5
193	Multiple transverse impact damage behaviors of 3-D-braided composite beams under room and high temperatures. *International Journal of Damage Mechanics*, **2020**, 29, 715-747	3	5
192	Low-velocity impact and residual flexural behaviors of 2.5-D woven composite under accelerated thermal ageing: Experiment and numerical modelling. *International Journal of Damage Mechanics*, **2020**, 29, 413-434	3	10
191	Effect of pre-crack length on Mode I fracture toughness of 3-D angle-interlock woven composites from finite element analyses. *Journal of the Textile Institute*, **2019**, 110, 1445-1458	1.5	1
190	Numerical analysis of punch shear failure and stress characteristics of three-dimensional braided composite with different braiding angles. *International Journal of Damage Mechanics*, **2019**, 28, 1418-1437	3	2
189	Unit cell modeling on torsion damage behavior of a novel three-dimensional integrated multilayer fabric-reinforced composite tubular structure. *Textile Reseach Journal*, **2019**, 89, 4253-4264	1.7	3
188	Punch shear performance and damage mechanisms of three-dimensional braided composite with different thicknesses. *Textile Reseach Journal*, **2019**, 89, 2126-2141	1.7	3
187	Influence of Braiding Angle on Multiple Impact Damages of 3-D Braided Composite along Longitudinal Direction. *Applied Composite Materials*, **2019**, 26, 1261-1280	2	6
186	X-ray tomography and numerical study on low-velocity impact damages of three-dimensional angle-interlock woven composites. *Composite Structures*, **2019**, 230, 111525	5.3	15
185	Remotely and Sequentially Controlled Actuation of Electroactivated Carbon Nanotube/Shape Memory Polymer Composites. *Advanced Materials Technologies*, **2019**, 4, 1900600	6.8	30
184	In situ measurement of strains at different locations in 3-D braided composites with FBG sensors. *Composite Structures*, **2019**, 230, 111527	5.3	4
183	Multi-scale ageing mechanisms of 3D four directional and five directional braided composites impact fracture behaviors under thermo-oxidative environment. *International Journal of Mechanical Sciences*, **2019**, 155, 50-65	5.5	27
182	Axial impact compressive behaviors of a novel 3-D integrated multilayer fabric reinforced composite tubular structures. *Thin-Walled Structures*, **2019**, 134, 363-372	4.7	6
181	Effect of braiding angle on dynamic mechanical properties of 3-D braided rectangular composites under multiple impact compressions. *Journal of Composite Materials*, **2019**, 53, 1827-1846	2.7	5
180	High strain rate compressive behaviors and adiabatic shear band localization of 3-D carbon/epoxy angle-interlock woven composites at different loading directions. *Composite Structures*, **2019**, 211, 502-521	5.3	20
179	Damage and failure mechanism of 3D carbon fiber/epoxy braided composites after thermo-oxidative ageing under transverse impact compression. *Composites Part B: Engineering*, **2019**, 161, 677-690	10	20
178	Differences of transverse impact damages in 3D angle-interlock woven composites between warp and weft directions. *International Journal of Damage Mechanics*, **2019**, 28, 1203-1227	3	4
177	Comparisons on impact fracture behavior between three-dimensional four directional and five directional braided composite materials. *International Journal of Damage Mechanics*, **2019**, 28, 990-1020	3	8

176	Progressive failure of inter-woven carbon-Dyneema fabric reinforced hybrid composites. *Composite Structures*, **2019**, 211, 175-186	5.3	9
175	Impact fracture behaviors of three-dimensional braided composite U-notch beam subjected to three-point bending. *International Journal of Damage Mechanics*, **2019**, 28, 404-426	3	10
174	Finite element analyses on longitudinal compressive behaviors of 3D braided carbon /epoxy composite with different braided angles at low temperatures. *Journal of the Textile Institute*, **2019**, 110, 37-49	1.5	1
173	Numerical analyses on thermal stress distribution induced from impact compression in 3D carbon fiber/epoxy braided composite materials. *Journal of Thermal Stresses*, **2018**, 41, 903-919	2.2	18
172	High-speed visualizing and mesoscale modeling for deformation and damage of 3D angle-interlock woven composites subjected to transverse impacts. *International Journal of Mechanical Sciences*, **2018**, 140, 119-132	5.5	25
171	Size effects on compressive behaviors of three-dimensional braided composites under high strain rates. *Journal of Composite Materials*, **2018**, 52, 3895-3908	2.7	8
170	Shape memory behavior and recovery force of 4D printed textile functional composites. *Composites Science and Technology*, **2018**, 160, 224-230	8.6	79
169	Finite element analyses on bending fatigue of three-dimesional five-directional braided composite T-beam with mixed unit-cell model. *Journal of Composite Materials*, **2018**, 52, 1139-1154	2.7	14
168	Effects of yarn defects and specimen size on impact compressive damages of 3-D angle interlock woven composites. *International Journal of Damage Mechanics*, **2018**, 27, 1380-1396	3	7
167	Experimental and numerical analyses of matrix shrinkage and compressive behavior of 3-D braided composite under thermo-oxidative ageing conditions. *Composite Structures*, **2018**, 204, 320-332	5.3	13
166	Shape memory behavior and recovery force of 4D printed laminated Miura-origami structures subjected to compressive loading. *Composites Part B: Engineering*, **2018**, 153, 233-242	10	57
165	Versatile Core–Sheath Yarn for Sustainable Biomechanical Energy Harvesting and Real-Time Human-Interactive Sensing. *Advanced Energy Materials*, **2018**, 8, 1801114	21.8	153
164	Interfacial bonding strength of short carbon fiber/acrylonitrile-butadiene-styrene composites fabricated by fused deposition modeling. *Composites Part B: Engineering*, **2018**, 137, 51-59	10	96
163	Impact damage and compression behaviours of three-dimensional angle-interlock woven composites after thermo-oxidation degradation. *Journal of Composite Materials*, **2018**, 52, 2085-2101	2.7	5
162	Experimental study on the bending fatigue behaviors of 3D five directional braided T-shaped composites. *Journal of the Textile Institute*, **2018**, 109, 603-613	1.5	8
161	Finite element modeling of multiple transverse impact damage behaviors of 3-D braided composite beams at microstructure level. *International Journal of Mechanical Sciences*, **2018**, 148, 730-744	5.5	20
160	Damage mechanisms of 3-D rectangular braided composite under multiple impact compressions. *Aerospace Science and Technology*, **2018**, 82-83, 46-60	4.9	20
159	A Stretchable Yarn Embedded Triboelectric Nanogenerator as Electronic Skin for Biomechanical Energy Harvesting and Multifunctional Pressure Sensing. *Advanced Materials*, **2018**, 30, e1804944	24	278

158	Finite element analyses on punch shear behaviors of three-dimensional braided composites at microstructure level. *International Journal of Damage Mechanics*, **2017**, 26, 968-988	3	8
157	Influence of temperature and strain rate on the longitudinal compressive crashworthiness of 3D braided composite tubes and finite element analysis. *International Journal of Damage Mechanics*, **2017**, 26, 1003-1027	3	20
156	Thermal-mechanical coupling modeling of 3D braided composite under impact compression loading and high temperature field. *Composites Science and Technology*, **2017**, 140, 73-88	8.6	26
155	Ultrastrong and excellent dynamic mechanical properties of carbon nanotube composites. *Composites Science and Technology*, **2017**, 141, 137-144	8.6	25
154	Drop-weight impact behaviors of 3-D angle interlock woven composites after thermal oxidative aging. *Composite Structures*, **2017**, 166, 239-255	5.3	21
153	Transverse impact performance and finite element analysis of three dimensional braided composite tubes with different braiding layers. *Composite Structures*, **2017**, 168, 345-359	5.3	25
152	Progressive failure of 3-D textile composites under impact loadings. *Composite Structures*, **2017**, 168, 710-724	5.3	15
151	Electromechanical behavior of carbon nanotube fibers under transverse compression. *Journal Physics D: Applied Physics*, **2017**, 50, 085303	3	5
150	Strong graphene-interlayered carbon nanotube films with high thermal conductivity. *Carbon*, **2017**, 118, 659-665	10.4	40
149	Temperature-dependent thermal expansion behaviors of carbon fiber/epoxy plain woven composites: Experimental and numerical studies. *Composite Structures*, **2017**, 176, 329-341	5.3	28
148	Impact shear damage characterizations of 3D braided composite with X-ray micro-computed tomography and numerical methodologies. *Composite Structures*, **2017**, 176, 43-54	5.3	44
147	The transverse impact responses of 3-D braided composite I-beam. *Composites Part A: Applied Science and Manufacturing*, **2017**, 94, 158-169	8.4	22
146	Influence of specimen size and inner defects on high strain rates compressive behaviors of plain woven composites. *Polymer Testing*, **2017**, 64, 55-64	4.5	7
145	Meso-structure ageing mechanism of 3-D braided composite's compressive behaviors under accelerated thermo-oxidative ageing environment. *Mechanics of Materials*, **2017**, 115, 47-63	3.3	34
144	A Highly Stretchable and Washable All-Yarn-Based Self-Charging Knitting Power Textile Composed of Fiber Triboelectric Nanogenerators and Supercapacitors. *ACS Nano*, **2017**, 11, 9490-9499	16.7	320
143	Characterization of residual stress and deformation in additively manufactured ABS polymer and composite specimens. *Composites Science and Technology*, **2017**, 150, 102-110	8.6	64
142	3D Orthogonal Woven Triboelectric Nanogenerator for Effective Biomechanical Energy Harvesting and as Self-Powered Active Motion Sensors. *Advanced Materials*, **2017**, 29, 1702648	24	225
141	Numerical analysis of thermal expansion behaviors and interfacial thermal stress of 3D braided composite materials. *Computational Materials Science*, **2017**, 138, 77-91	3.2	20

140	Numerical modeling on compressive behaviors of 3-D braided composites under high temperatures at microstructure level. *Composite Structures*, **2017**, 160, 925-938	5.3	18
139	Coupling effect of temperature and braided angle on compressive behaviors of 3D braided carbon□epoxy composite at low temperature. *Journal of Composite Materials*, **2017**, 51, 2531-2547	2.7	10
138	Auxetic composite made with multilayer orthogonal structural reinforcement. *Composite Structures* , **2016**, 135, 23-29	5.3	50
137	A mesoscale study of thermal expansion behaviors of epoxy resin and carbon fiber/epoxy unidirectional composites based on periodic temperature and displacement boundary conditions. *Polymer Testing*, **2016**, 55, 44-60	4.5	32
136	Comparisons of thermal conductive behaviors of epoxy resin in unidirectional composite materials. *Journal of Thermal Analysis and Calorimetry*, **2016**, 124, 775-789	4.1	13
135	Mechanical behaviors of four-step 1 □ braided carbon/epoxy three-dimensional composite tubes under axial compression loading. *Polymer Composites*, **2016**, 37, 3210-3218	3	12
134	Thermal ageing degradation mechanisms on compressive behavior of 3-D braided composites in experimental and numerical study. *Composite Structures*, **2016**, 140, 180-191	5.3	38
133	Axial compressive deformation and damage of four-step 3-D circular braided composite tubes under various strain rates. *Journal of the Textile Institute*, **2016**, 107, 1584-1600	1.5	9
132	Transient heat generation and thermo-mechanical response of epoxy resin under adiabatic impact compressions. *International Journal of Heat and Mass Transfer*, **2016**, 95, 874-889	4.9	24
131	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. *Journal of the Textile Institute*, **2016**, 107, 879-904	1.5	7
130	Finite element analysis of 3D circular braided composites tube damage based on three unit cell models under axial compression loading. *International Journal of Damage Mechanics*, **2016**, 25, 574-607	3	14
129	Transverse impact behaviors of 3D braided composites T-beam at elevated temperatures. *Journal of Composite Materials*, **2016**, 50, 3961-3971	2.7	9
128	Effect of temperature and strain rate on biaxial warp-knitted composite. *Journal of Reinforced Plastics and Composites*, **2016**, 35, 295-304	2.9	2
127	Multi-scale structure modeling of damage behaviors of 3D orthogonal woven composite materials subject to quasi-static and high strain rate compressions. *Mechanics of Materials*, **2016**, 94, 1-25	3.3	35
126	Thermo-mechanical behaviors of 3-D braided composite material subject to high strain rate compressions under different temperatures. *Mechanics of Advanced Materials and Structures*, **2016**, 23, 385-401	1.8	12
125	Experimental and numerical investigation of the transverse impact damage and deformation of 3-D circular braided composite tubes from meso-structure approach. *Composites Part B: Engineering*, **2016**, 86, 243-253	10	45
124	Dynamic responses and damage evolutions of four-step three-dimensional braided composites subjected to high strain rate punch shear loading. *Journal of Composite Materials*, **2016**, 50, 1635-1650	2.7	13
123	Experimental and numerical analyses on the thermal conductive behaviors of carbon fiber/epoxy plain woven composites. *International Journal of Heat and Mass Transfer*, **2016**, 102, 501-517	4.9	46

122	Responses of 3D four-directional and five-directional circular braided composite tubes under transverse impact. *International Journal of Crashworthiness*, **2016**, 21, 353-366	1	12
121	Comparisons of axial compression behaviors between four-directional and five-directional braided composite tubes under high strain rate loading. *Journal of Composite Materials*, **2016**, 50, 3905-3924	2.7	12
120	Accelerated thermal ageing of epoxy resin and 3-D carbon fiber/epoxy braided composites. *Composites Part A: Applied Science and Manufacturing*, **2016**, 85, 163-171	8.4	38
119	Quasi-static compression and compression□compression fatigue characteristics of 3D braided carbon/epoxy tube. *Journal of the Textile Institute*, **2016**, 107, 938-948	1.5	14
118	Multi-scale finite element analyses on the thermal conductive behaviors of 3D braided composites. *Composite Structures*, **2016**, 143, 9-22	5.3	35
117	Thermo-mechanical numerical modeling on impact compressive damage of 3-D braided composite materials under room and low temperatures. *Aerospace Science and Technology*, **2016**, 54, 23-40	4.9	26
116	Modelling of 3D woven fabrics for ballistic protection **2016**, 145-197		5
115	Energy absorption of three-dimensional braided composites under impact punch shear loading. *Textile Reseach Journal*, **2016**, 86, 2080-2095	1.7	3
114	Experimental and numerical investigation on the thermal conduction properties of 2.5D angle-interlock woven composites. *Composite Structures*, **2016**, 154, 319-333	5.3	22
113	Numerical analyses of thermo-mechanical behaviors of 3-D rectangular braided composite under different temperatures. *Journal of the Textile Institute*, **2015**, 106, 173-186	1.5	10
112	Damage behaviors of woven basalt-unsaturated polyester laminates under low-velocity impact. *Journal of Composite Materials*, **2015**, 49, 2103-2118	2.7	6
111	Finite element prediction of the impact compressive properties of three-dimensional braided composites using multi-scale model. *Composite Structures*, **2015**, 128, 381-394	5.3	49
110	Experimental investigation of high-strain rate properties of 3-D braided composite material in cryogenic field. *Composites Part B: Engineering*, **2015**, 77, 379-390	10	36
109	Experimental characterizations of three-point bending fatigue behavior of four-step three-dimensional braided composite T-beam. *Journal of Industrial Textiles*, **2015**, 45, 171-186	1.6	7
108	Predicting dynamic in-plane compressive properties of multi-axial multi-layer warp-knitted composites with a meso-model. *Composites Part B: Engineering*, **2015**, 77, 278-290	10	17
107	Longitudinal compressive behaviour of 3D braided composite under various temperatures and strain rates. *Applied Physics A: Materials Science and Processing*, **2015**, 118, 1315-1337	2.6	16
106	The bending fatigue comparison between 3D braided rectangular composites and T-beam composites. *Fibers and Polymers*, **2015**, 16, 634-639	2	8
105	Finite element analyses on transverse impact behaviors of 3-D circular braided composite tubes with different braiding angles. *Composites Part A: Applied Science and Manufacturing*, **2015**, 79, 52-62	8.4	40

104	Finite element modeling of compressive properties of three-dimensional woven composites under various strain rates. *Journal of Composite Materials*, **2015**, 49, 2519-2528	2.7	2
103	Energy absorption of three-dimensional angle-interlock woven composite under ballistic penetration based on a multi-scale finite element model. *International Journal of Damage Mechanics*, **2015**, 24, 3-20	3	20
102	Nonlinear numerical predictions of three-dimensional orthogonal woven composite under low-cycle tension using multiscale repeating unit cells. *International Journal of Damage Mechanics*, **2015**, 24, 338-362	3	9
101	Numerical simulation of the impact behaviors of shear thickening fluid impregnated warp-knitted spacer fabric. *Composites Part B: Engineering*, **2015**, 69, 191-200	10	37
100	Effects of temperature and strain rate on impact compression behaviors of three-dimensional carbon fiber/epoxy braided composites. *Journal of Composite Materials*, **2015**, 49, 771-782	2.7	19
99	Finite element analyses of four-step 3D braided composite bending damage using repeating unit cell model. *International Journal of Damage Mechanics*, **2015**, 24, 59-75	3	18
98	Impact compressive behavior and failure modes of four-step three-dimensional braided composites-based meso-structure model. *International Journal of Damage Mechanics*, **2015**, 24, 805-827	3	26
97	Analysis of Braided Structures and Properties **2015**, 53-96		
96	Finite element analyses of compressive behaviors of biaxial warp-knitted composite material under various strain rates with a simplified geometrical model. *Journal of the Textile Institute*, **2015**, 106, 1013-1026	1.5	5
95	Numerical analyses of bending fatigue of four-step three-dimensional rectangular-braided composite materials from unit cell approach. *Journal of the Textile Institute*, **2015**, 106, 67-79	1.5	18
94	Graded conventional-auxetic Kirigami sandwich structures: Flatwise compression and edgewise loading. *Composites Part B: Engineering*, **2014**, 59, 33-42	10	139
93	Structural effects of three-dimensional angle-interlock woven composite undergoing bending cyclic loading. *Science China: Physics, Mechanics and Astronomy*, **2014**, 57, 501-511	3.6	10
92	Finite element analyses on three-point low-cyclic bending fatigue of 3-D braided composite materials at microstructure level. *International Journal of Mechanical Sciences*, **2014**, 84, 41-53	5.5	32
91	Experimental and numerical analyses of the mechanical behaviors of three-dimensional orthogonal woven composites under compressive loadings with different strain rates. *International Journal of Damage Mechanics*, **2014**, 23, 636-660	3	24
90	Large-scale finite element analysis of a 3D angle-interlock woven composite undergoing low-cyclic three-point bending fatigue. *Journal of the Textile Institute*, **2014**, 105, 275-293	1.5	7
89	Computational schemes on the bending fatigue deformation and damage of three-dimensional orthogonal woven composite materials. *Computational Materials Science*, **2014**, 91, 91-101	3.2	12
88	Tensile impact damage behaviors of co-woven-knitted composite materials with a simplified microstructure model. *Textile Reseach Journal*, **2014**, 84, 1742-1760	1.7	7
87	Fatigue behaviors of four-step three-dimensional braided composite material: a meso-scale approach computation. *Textile Reseach Journal*, **2014**, 84, 1915-1930	1.7	14

86	Characterizations of basalt unsaturated polyester laminates under static three-point bending and low-velocity impact loadings. *Polymer Composites*, **2014**, 35, 2203-2213	3	13
85	Numerical modeling of the mechanical response of basalt plain woven composites under high strain rate compression. *Journal of Reinforced Plastics and Composites*, **2014**, 33, 1087-1104	2.9	11
84	Static and low-velocity impact on mechanical behaviors of foam sandwiched composites with different ply angles face sheets. *Journal of Composite Materials*, **2014**, 48, 1173-1188	2.7	12
83	Nonlinear viscoelastic multi-scale repetitive unit cell model of 3D woven composites with damage evolution. *International Journal of Solids and Structures*, **2013**, 50, 3539-3554	3.1	17
82	Damage Behaviors of Foam Sandwiched Composite Materials Under Quasi-Static Three-point Bending. *Applied Composite Materials*, **2013**, 20, 1231-1246	2	10
81	Low-Velocity Impact Response and Finite Element Analysis of Four-Step 3-D Braided Composites. *Applied Composite Materials*, **2013**, 20, 397-413	2	19
80	An Analytical Model for Predicting Stab Resistance of Flexible Woven Composites. *Applied Composite Materials*, **2013**, 20, 569-585	2	13
79	Strain rate effects on tensile failure of 3-D angle-interlock woven carbon fabric. *Materials & Design*, **2013**, 46, 857-866		12
78	Compressive behaviors of warp-knitted spacer fabrics impregnated with shear thickening fluid. *Composites Science and Technology*, **2013**, 88, 184-189	8.6	45
77	Finite element analyses of low-velocity impact damage of foam sandwiched composites with different ply angles face sheets. *Materials & Design*, **2013**, 47, 189-199		22
76	The bending and failure of sandwich structures with auxetic gradient cellular cores. *Composites Part A: Applied Science and Manufacturing*, **2013**, 49, 119-131	8.4	89
75	Numerical analyses of 3D orthogonal woven composite under three-point bending from multi-scale microstructure approach. *Computational Materials Science*, **2013**, 79, 468-477	3.2	22
74	Ballistic impact damages of 3-D angle-interlock woven composites based on high strain rate constitutive equation of fiber tows. *International Journal of Impact Engineering*, **2013**, 57, 145-158	4	30
73	Tension–tension fatigue behavior of layer-to-layer 3-D angle-interlock woven composites. *Materials Chemistry and Physics*, **2013**, 140, 183-190	4.4	18
72	Cumulative fatigue damage for 3-D angle-interlock woven composite under three-point bending cyclic loading. *International Journal of Damage Mechanics*, **2013**, 22, 3-16	3	6
71	Analytical modeling on mechanical responses and damage morphology of flexible woven composites under trapezoid tearing. *Textile Reseach Journal*, **2013**, 83, 1297-1309	1.7	17
70	Comparisons of trapezoid tearing behaviors of uncoated and coated woven fabrics from experimental and finite element analysis. *International Journal of Damage Mechanics*, **2013**, 22, 464-489	3	20
69	Drop-weight impact damage of three-dimensional angle-interlock woven composites. *Journal of Composite Materials*, **2013**, 47, 2193-2209	2.7	10

68	Dynamic response and stability of basalt woven fabric composites under impulsive compression. *Journal of Reinforced Plastics and Composites*, **2013**, 32, 137-144	2.9	6
67	Strain rate effects of tensile behaviors of 3-D orthogonal woven fabric: Experimental and finite element analyses. *Textile Reseach Journal*, **2013**, 83, 337-354	1.7	12
66	Finite element analyses of stress distributions of three-dimensional angle-interlock woven composite subjected to three-point bending cyclic loading. *Journal of the Textile Institute*, **2013**, 104, 1186-1194	1.5	6
65	Finite element analyses of tensile impact behaviors of co-woven-knitted composite from unit-cell approach. *Journal of the Textile Institute*, **2013**, 104, 446-459	1.5	7
64	A Numerical Simulation on Ballistic Penetration Damage of 3D Orthogonal Woven Fabric at Microstructure Level. *International Journal of Damage Mechanics*, **2012**, 21, 237-266	3	40
63	Transverse impact behaviors of four-step 3-D rectangular braided composites from unit-cell approach. *Journal of Reinforced Plastics and Composites*, **2012**, 31, 233-246	2.9	27
62	Numerical simulation of three-point bending fatigue of four-step 3-D braided rectangular composite under different stress levels from unit-cell approach. *Computational Materials Science*, **2012**, 65, 239-246	3.2	25
61	Three-point bending fatigue behavior of 3D angle-interlock woven composite. *Journal of Composite Materials*, **2012**, 46, 883-894	2.7	22
60	Ballistic impact damage of biaxial multilayer knitted composite. *Journal of Composite Materials*, **2012**, 46, 527-547	2.7	14
59	Impact Tension Damage Mechanism Analyses of Co-Woven-Knitted Composite from Hilbert□Huang Transform. *International Journal of Damage Mechanics*, **2012**, 21, 493-523	3	11
58	Comparison of stab behaviors of uncoated and coated woven fabrics from experimental and finite element analyses. *Textile Reseach Journal*, **2012**, 82, 1337-1354	1.7	19
57	Characterization of the tensile behaviour of a co-woven-knitted composite in the continuous and discrete frequency domain. *Philosophical Magazine*, **2012**, 92, 1966-1997	1.6	7
56	Experimental investigation and numerical simulation of three-point bending fatigue of 3D orthogonal woven composite. *Journal of the Textile Institute*, **2012**, 103, 1312-1327	1.5	11
55	Comparisons of static bending and fatigue damage between 3D angle-interlock and 3D orthogonal woven composites. *Journal of Reinforced Plastics and Composites*, **2012**, 31, 935-945	2.9	37
54	Frequency features of basalt filament tows under quasi-static and high strain rate tension. *Journal of Composite Materials*, **2012**, 46, 1285-1293	2.7	9
53	Micro/meso-scale damage analysis of three-dimensional orthogonal woven composites based on sub-repeating unit cells. *Journal of Strain Analysis for Engineering Design*, **2012**, 47, 313-328	1.3	21
52	Experimental characterization of transverse impact behaviors of four-step 3-D rectangular braided composites. *Journal of Composite Materials*, **2012**, 46, 3017-3029	2.7	19
51	Impact tensile behavior and frequency response of 3D braided composites. *Textile Reseach Journal*, **2012**, 82, 280-287	1.7	15

50	Frequency features of co-woven-knitted fabric (CWKF) composite under tension at various strain rates. *Composites Part A: Applied Science and Manufacturing*, **2011**, 42, 446-452	8.4	22
49	A Unit-Cell Approach of Finite Element Analysis for Transverse Impact Damage of 3-D Biaxial Spacer Weft-Knitted Composite. *Strain*, **2011**, 47, e52-e65	1.7	0
48	Experimental characterizations of bending fatigue of a four-step 3-D braided rectangular composite under different stress levels. *Journal of Reinforced Plastics and Composites*, **2011**, 30, 1571-1582	2.9	16
47	Tensile behaviors of co-woven-knitted fabric reinforced composites under various strain rates. *Journal of Composite Materials*, **2011**, 45, 2495-2506	2.7	16
46	Impact Damage of 3D Cellular Woven Composite from Unit-cell Level Analysis. *International Journal of Damage Mechanics*, **2011**, 20, 323-346	3	22
45	Finite element simulation of three-dimensional angle-interlock woven fabric undergoing ballistic impact. *Journal of the Textile Institute*, **2011**, 102, 982-993	1.5	13
44	Energy absorption of 3D orthogonal woven fabric under ballistic penetration of hemispherical-cylindrical projectile. *Journal of the Textile Institute*, **2011**, 102, 875-889	1.5	22
43	A Comparative Study of the Impact Response of 3D Textile Composites and Aluminum Plates. *Journal of Composite Materials*, **2010**, 44, 593-619	2.7	6
42	Dynamic Responses of 3-D Multi-structured Knitted Composite T-beam under Transverse Impact. *Journal of Composite Materials*, **2010**, 44, 157-180	2.7	7
41	Responses of 3D biaxial spacer weft-knitted composite circular plate under impact loading. Part I: unit-cell and elasto-plastic constitutive model. *Journal of the Textile Institute*, **2010**, 101, 28-34	1.5	6
40	FEM simulation of 3D angle-interlock woven composite under ballistic impact from unit cell approach. *Computational Materials Science*, **2010**, 49, 171-183	3.2	55
39	Mechanical Behaviors of 2D and 3D Basalt Fiber Woven Composites Under Various Strain Rates. *Journal of Composite Materials*, **2010**, 44, 1779-1795	2.7	20
38	Responses of 3D biaxial spacer weft-knitted composite circular plate under impact loading. Part II: impact tests and FEM calculation. *Journal of the Textile Institute*, **2010**, 101, 35-45	1.5	11
37	Constitutive equations of basalt filament tows under quasi-static and high strain rate tension. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing* , **2010**, 527, 3245-3252	5.3	39
36	A simplified microstructure model of bi-axial warp-knitted composite for ballistic impact simulation. *Composites Part B: Engineering*, **2010**, 41, 337-353	10	33
35	Dynamic Behavior of 3D Biaxial Spacer Weft-Knitted Composite T-Beam Under Transverse Impact. *Mechanics of Advanced Materials and Structures*, **2009**, 16, 356-370	1.8	9
34	Transverse impact damage and energy absorption of 3-D multi-structured knitted composite. *Composites Part B: Engineering*, **2009**, 40, 572-583	10	28
33	A unit cell approach of finite element calculation of ballistic impact damage of 3-D orthogonal woven composite. *Composites Part B: Engineering*, **2009**, 40, 552-560	10	53

32	Dynamic properties of 3-D orthogonal woven composite T-beam under transverse impact. *Composites Part A: Applied Science and Manufacturing*, **2008**, 39, 1073-1082	8.4	40
31	Transverse Impact Damage and Energy Absorption of Three-Dimensional Orthogonal Hybrid Woven Composite: Experimental and FEM Simulation. *Journal of Composite Materials*, **2008**, 42, 1763-1786	2.7	20
30	Shear Behavior of 3-D Biaxial Spacer Weft Knitted Composite under High Strain Rates. *Journal of Composite Materials*, **2008**, 42, 1747-1762	2.7	11
29	A microstructure model for finite-element simulation of 3D rectangular braided composite under ballistic penetration. *Philosophical Magazine*, **2007**, 87, 4643-4669	1.6	22
28	Compressive behavior of multi-axial multi-layer warp knitted (MMWK) fabric composite at various strain rates. *Composite Structures*, **2007**, 78, 84-90	5.3	43
27	Transverse impact behavior and energy absorption of three-dimensional orthogonal hybrid woven composites. *Composite Structures*, **2007**, 81, 202-209	5.3	70
26	Compressive behavior of biaxial spacer weft knitted fabric reinforced composite at various strain rates. *Polymer Composites*, **2007**, 28, 224-232	3	14
25	High strain rate behavior of 4-step 3D braided composites under compressive failure. *Journal of Materials Science*, **2007**, 42, 2463-2470	4.3	29
24	In-plane Compressive Behaviors of 3-D Textile Composites at Various Strain Rates. *Applied Composite Materials*, **2007**, 14, 193-207	2	14
23	Impact Damage of 3D Orthogonal Woven Composite Circular Plates. *Applied Composite Materials*, **2007**, 14, 343-362	2	33
22	Energy absorption features of 3-D braided rectangular composite under different strain rates compressive loading. *Aerospace Science and Technology*, **2007**, 11, 535-545	4.9	30
21	Three-dimensional textile structural composites under high strain rate compression: Z-transform and discrete frequency-domain analysis. *Philosophical Magazine*, **2007**, 87, 5461-5484	1.6	12
20	Frequency Analysis of Stress Waves in Testing 3-D Angle-interlock Woven Composite at High Strain Rates. *Journal of Composite Materials*, **2007**, 41, 2915-2938	2.7	17
19	Tensile Impact Behavior of Multiaxial Multilayer Warp Knitted (MMWK) Fabric Reinforced Composites. *Journal of Reinforced Plastics and Composites*, **2006**, 25, 1305-1315	2.9	13
18	Dynamic Response of 3D Biaxial Spacer Weft-knitted Composite under Transverse Impact. *Journal of Reinforced Plastics and Composites*, **2006**, 25, 1629-1641	2.9	18
17	Fractional Formula Description of Angle-interlock Woven Fabric Construction. *Journal of Industrial Textiles*, **2006**, 36, 125-132	1.6	3
16	Shear Behavior of 3D Orthogonal Woven Fabric Composites under High Strain Rates. *Journal of Reinforced Plastics and Composites*, **2006**, 25, 1833-1845	2.9	25
15	Energy absorptions and failure modes of 3D orthogonal hybrid woven composite struck by flat-ended rod. *Polymer Composites*, **2006**, 27, 410-416	3	20

14	Influence of the strain rate on the uniaxial tensile behavior of 4-step 3D braided composites. *Composites Part A: Applied Science and Manufacturing*, **2005**, 36, 1477-1485	8.4	60
13	Compressive behavior of 3-D angle-interlock woven fabric composites at various strain rates. *Polymer Testing*, **2005**, 24, 447-454	4.5	53
12	A Refined Quasi-microstructure Model for Finite Element Analysis of Three-dimensional Braided Composites Under Ballistic Penetration. *Journal of Composite Materials*, **2005**, 39, 685-710	2.7	26
11	Strain Rate Effect on Four-Step Three-Dimensional Braided Composite Compressive Behavior.. *AIAA Journal*, **2005**, 43, 994-999	2.1	25
10	Ballistic Perforation of Conically Cylindrical Steel Projectile into Three-Dimensional Braided Composites. *AIAA Journal*, **2005**, 43, 426-434	2.1	22
9	Finite element calculation of 4-step 3-dimensional braided composite under ballistic perforation. *Composites Part B: Engineering*, **2004**, 35, 291-297	10	51
8	Prediction of the uniaxial tensile curve of 4-step 3-dimensional braided preform. *Composite Structures*, **2004**, 64, 235-241	5.3	30
7	Ballistic Penetration of Conically Cylindrical Steel Projectile into Plain-woven Fabric Target A Finite Element Simulation. *Journal of Composite Materials*, **2004**, 38, 2049-2074	2.7	55
6	Analytical modeling for the ballistic perforation of planar plain-woven fabric target by projectile. *Composites Part B: Engineering*, **2003**, 34, 361-371	10	102
5	Electric conductivity and surface potential distributions in carbon fiber reinforced composites with different ply orientations. *Textile Reseach Journal*,004051752110481	1.7	2
4	Failure behaviors of 3D braided composites with defects in different locations under low-velocity impact compression. *Textile Reseach Journal*,004051752110308	1.7	1
3	Numerical analysis of strain rate effect on ballistic impact response of multilayer three dimensional angle-interlock woven fabric. *International Journal of Damage Mechanics*,105678952098359	3	3
2	Effect of thermo-oxidative ageing on the thermo-mechanical responses of 3D braided carbon fiber/epoxy composites during high-speed impact. *Journal of the Textile Institute*,1-10	1.5	
1	Impact compression damages of 3D braided composites with/without axial yarns after thermo-oxidative ageing. *International Journal of Damage Mechanics*,105678952210996	3	0