

Fibre reinforced composites in aircraft construction

Progress in Aerospace Sciences

41, 143-151

DOI: [10.1016/j.paerosci.2005.02.004](https://doi.org/10.1016/j.paerosci.2005.02.004)

Citation Report

#	ARTICLE	IF	CITATIONS
1	On-line Monitoring of Resin Content and Volatile Content in Carbon/Phenolic Resin Prepreg Cloth by Near-Infrared Spectroscopy. <i>Polymers and Polymer Composites</i> , 2006, 14, 537-543.	1.9	9
2	Non Destructive Evaluation of Advanced Composite Materials for Aerospace Application Using HTS SQUIDS. <i>IEEE Transactions on Applied Superconductivity</i> , 2007, 17, 772-775.	1.7	29
3	Incremental Damage Development in a 3D Woven Carbon Fibre Composite. <i>Polymers and Polymer Composites</i> , 2007, 15, 521-533.	1.9	3
4	An Investigation into the Effect of Compaction on the Mechanical Performance of a 3D Reinforced Advanced Composite. <i>Polymers and Polymer Composites</i> , 2007, 15, 535-543.	1.9	1
5	A study of electrochemically treated PAN based carbon fibres by IGC and XPS. <i>Carbon</i> , 2007, 45, 2433-2444.	10.3	82
6	A study on mechanical properties of carbon/phenolic composites. <i>Mechanics of Materials</i> , 2008, 40, 418-426.	3.2	7
8	The Influence of Through-the-Thickness Binder Yarn Count on Fibre Volume Fraction, Crimp and Damage Tolerance within 3D Woven Carbon Fibre Composites. <i>Polymers and Polymer Composites</i> , 2009, 17, 303-312.	1.9	7
9	Electrostatic spray painting of carbon fibre-reinforced epoxy composites. <i>Progress in Organic Coatings</i> , 2009, 64, 339-349.	3.9	40
10	A study on the energy dissipation of several different CFRP-based targets completely penetrated by a high velocity projectile. <i>Composite Structures</i> , 2009, 91, 103-109.	5.8	63
11	Effect of chemical treatments on water sorption and mechanical properties of flax fibres. <i>Bioresource Technology</i> , 2009, 100, 4742-4749.	9.6	200
12	An investigation into the microstructure and mechanical properties of a 3D fibre reinforced advanced composite with an enhanced fibre volume fraction. <i>International Journal of Computational Materials Science and Surface Engineering</i> , 2009, 2, 146.	0.2	0
13	Effect of silica nanoparticles on compressive properties of an epoxy polymer. <i>Journal of Materials Science</i> , 2010, 45, 5973-5983.	3.7	63
14	Scratch and wear resistance of transparent topcoats on carbon laminates. <i>Progress in Organic Coatings</i> , 2010, 67, 209-219.	3.9	11
15	Scratch and wear resistance of transparent topcoats on carbon laminates. <i>Progress in Organic Coatings</i> , 2010, 68, 100-110.	3.9	5
16	Investigation, manufacture, and testing of damage-resistant airframe structures using low-cost carbon fibre composite materials and manufacturing technology. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 2010, 224, 489-497.	1.3	10
17	Cost/weight optimization of composite prepreg structures for best draping strategy. <i>Composites Part A: Applied Science and Manufacturing</i> , 2010, 41, 464-472.	7.6	23
18	Impact damage in GFRP: New insights with infrared thermography. <i>Composites Part A: Applied Science and Manufacturing</i> , 2010, 41, 1839-1847.	7.6	145
19	Application of carbon fibers to biomaterials: A new era of nano-level control of carbon fibers after 30-years of development. <i>Chemical Society Reviews</i> , 2011, 40, 3824.	38.1	146

#	ARTICLE	IF	CITATIONS
20	Near-Infrared Spectroscopy and Principal Components Regression for the Quality Analysis of Glass/Epoxy Prepreg. <i>Polymers and Polymer Composites</i> , 2011, 19, 15-20.	1.9	4
21	Dielectric modeling of multiphase composites. <i>Composite Structures</i> , 2011, 93, 3209-3215.	5.8	28
22	A Graphical Method Predicting the Compressive Strength of Toughened Unidirectional Composite Laminates. <i>Applied Composite Materials</i> , 2011, 18, 65-83.	2.5	35
23	Studying the Tensile Behaviour of GLARE Laminates: A Finite Element Modelling Approach. <i>Applied Composite Materials</i> , 2011, 18, 271-282.	2.5	53
24	Radial pressure and thickness effects on the moisture diffusion in hollow composite cylinders. <i>Polymer Composites</i> , 2011, 32, 960-966.	4.6	5
25	On the response of two commercially-important CFRP structures to multiple ice impacts. <i>Composite Structures</i> , 2011, 93, 2619-2627.	5.8	68
26	Defect Inspection and Classification of CFRP with Complex Surface by Ultrasonic. <i>Advanced Materials Research</i> , 2011, 213, 297-301.	0.3	0
27	Cost reduction in manufacturing of aerospace composites. <i>Plastics, Rubber and Composites</i> , 2011, 40, 93-99.	2.0	11
28	Material Selection for a Curved C-Spar Based on Cost Optimization. <i>Journal of Aircraft</i> , 2011, 48, 797-804.	2.4	7
29	Non-crimp fabric composites in wind turbines. , 2011, , 481-495e.		3
30	Multiple criteria decision making with life cycle assessment for material selection of composites. <i>EXPRESS Polymer Letters</i> , 2011, 5, 1062-1074.	2.1	50
31	Potential emissions savings of lightweight composite aircraft components evaluated through life cycle assessment. <i>EXPRESS Polymer Letters</i> , 2011, 5, 209-217.	2.1	58
32	Study on the Combined Machining Technology of Sawing and Grinding for Drilling Aramid/Epoxy Composites. <i>Advanced Materials Research</i> , 0, 565, 436-441.	0.3	6
33	Energy Absorption Characteristics of Interface Modified GFRP Laminates under Low Velocity Impact. <i>Advanced Materials Research</i> , 2012, 626, 589-593.	0.3	2
34	Thermoplastic Adhesive for Thermosetting Composites. <i>Materials Science Forum</i> , 0, 706-709, 2968-2973.	0.3	13
35	Damage-tolerant design optimization of laminated composite structures using dispersion of ply angles by genetic algorithm. <i>Journal of Reinforced Plastics and Composites</i> , 2012, 31, 799-814.	3.1	12
36	Enhanced Composites Integrity Through Structural Health Monitoring. <i>Applied Composite Materials</i> , 2012, 19, 813-829.	2.5	88
37	The Impact of Composite Ply Continuity Constraints on Aerospace Stiffened Panel Design. , 2012, , .		1

#	ARTICLE	IF	CITATIONS
38	The impact of structural composite materials. Part 1: ballistic impact. <i>Journal of Strain Analysis for Engineering Design</i> , 2012, 47, 396-405.	1.8	31
39	Composite aircraft debonding visualization by laser ultrasonic scanning excitation and integrated piezoelectric sensing. <i>Structural Control and Health Monitoring</i> , 2012, 19, 605-620.	4.0	31
40	A review of mechanical drilling for composite laminates. <i>Composite Structures</i> , 2012, 94, 1265-1279.	5.8	646
41	Analysis of rain erosion resistance of electroplated nickel-tungsten alloy coatings. <i>Surface and Coatings Technology</i> , 2012, 206, 2545-2551.	4.8	29
42	Bisphenol E cyanate ester as a novel resin for repairing BMI/carbon fiber composites: Influence of cure temperature on adhesive bond strength. <i>Polymer</i> , 2013, 54, 3994-4002.	3.8	36
43	Numerical investigation of the effects of drill geometry on drilling induced delamination of carbon fiber reinforced composites. <i>Composite Structures</i> , 2013, 105, 126-133.	5.8	141
44	Drilling machinability evaluation on new developed high-strength T800S/250F CFRP laminates. <i>International Journal of Precision Engineering and Manufacturing</i> , 2013, 14, 1687-1696.	2.2	114
45	A numerical analysis of carbon nanotube-based damping in rotating composite structures. <i>Composite Structures</i> , 2013, 103, 18-26.	5.8	6
46	MObjects--A Novel Method for the Visualization and Interactive Exploration of Defects in Industrial XCT Data. <i>IEEE Transactions on Visualization and Computer Graphics</i> , 2013, 19, 2906-2915.	4.4	20
47	Laminate Orientation Effect on Drilling of Carbon Fiber Reinforced Plastic Composites. <i>Applied Mechanics and Materials</i> , 2013, 315, 768-772.	0.2	0
48	Polyester resins as a matrix material in advanced fibre-reinforced polymer (FRP) composites. , 2013, , 44-68.		5
49	Experimental Analysis of the Bondline Stress Concentrations to Characterize the Influence of Adhesive Ductility on the Composite Single Lap Joint Strength. <i>Journal of Adhesion</i> , 2013, 89, 486-506.	3.0	16
50	Optimising the locations of thermally sensitive equipment in an aircraft crown compartment. <i>Aerospace Science and Technology</i> , 2013, 28, 391-400.	4.8	13
51	Strengthening of CF/PEEK interface to improve the tribological performance in low amplitude oscillating wear mode. <i>Wear</i> , 2013, 301, 735-739.	3.1	38
52	Damage monitoring and analysis of composite laminates with an open hole and adhesively bonded repairs using digital image correlation. <i>Composites Part B: Engineering</i> , 2013, 53, 76-91.	12.0	164
53	Bonded repair of composite aircraft structures: A review of scientific challenges and opportunities. <i>Progress in Aerospace Sciences</i> , 2013, 61, 26-42.	12.1	388
54	Materials selection in design of structures and engines of supersonic aircrafts: A review. <i>Materials & Design</i> , 2013, 46, 552-560.	5.1	239
55	Analysis of adhesively bonded repairs in composites: Damage detection and prognosis. <i>Composite Structures</i> , 2013, 95, 500-517.	5.8	125

#	ARTICLE	IF	CITATIONS
56	The self-reinforcing effect of Nylon 6,6 nano-fibres on CFRP laminates subjected to low velocity impact. <i>Composite Structures</i> , 2013, 106, 661-671.	5.8	96
57	Effect of Manufacturing Method and Aging Environment on Painted Automotive Carbon Fibre Composite Surfaces. <i>Applied Composite Materials</i> , 2013, 20, 747-759.	2.5	5
59	Diffusion Characteristics of Moisture in Polymer Composites under Different Hygrothermal Conditions. <i>Advanced Materials Research</i> , 0, 849, 69-74.	0.3	0
60	Identification of moisture diffusion parameters in organic matrix composites. <i>Journal of Composite Materials</i> , 2013, 47, 1081-1092.	2.4	31
61	Non-destructive evaluation (NDE) of aerospace composites: detecting impact damage. , 2013, , 367-396.		5
62	Fractography of Particle Strengthening Mechanisms at Interfaces in Prepreg Composites. <i>Advanced Materials Research</i> , 0, 816-817, 196-200.	0.3	3
63	Effect of Moisture Absorption and Fiber Ply Orientation for Artificial Hip Joint on the Mechanical Properties of Carbon/PEEK Composites. <i>Advanced Materials Research</i> , 2013, 774-776, 1326-1335.	0.3	3
64	Mechanical Properties of Carbon/PEEK Composites According to the Fiber Ply Orientation and Sizing Removal of Carbon Fiber for Artificial Hip Joint. <i>Advanced Materials Research</i> , 2013, 750-752, 164-175.	0.3	6
65	Improvement of bonding strength of scarf-bonded carbon fibre/epoxy laminates by Nd:YAG laser surface activation. <i>Composites Part A: Applied Science and Manufacturing</i> , 2014, 67, 123-130.	7.6	30
66	Flash Thermography to Evaluate Porosity in Carbon Fiber Reinforced Polymer (CFRPs). <i>Materials</i> , 2014, 7, 1483-1501.	2.9	25
67	The Influence of Cutting Parameters on the Cutting Forces when Milling Invar36. <i>Advanced Materials Research</i> , 0, 988, 296-299.	0.3	3
68	Effect of Nano-Clay and their Dispersion Techniques on Compressive Properties of Unsaturated Polyester Resin. <i>Applied Mechanics and Materials</i> , 0, 554, 27-31.	0.2	3
69	Modulation-Assisted Drilling of Glass-Fiber-Reinforced Plastics. <i>Materials and Manufacturing Processes</i> , 2014, 29, 370-378.	4.7	13
70	Effects of Elevated Temperatures on the Compression Strength of Nanoclay Filled Unsaturated Polyester Resin. <i>Applied Mechanics and Materials</i> , 2014, 554, 208-212.	0.2	2
71	A comparative evaluation of polycrystalline diamond drills in drilling high-strength T800S/250F CFRP. <i>Composite Structures</i> , 2014, 117, 71-82.	5.8	111
72	Defects Study on Drilling of Carbon Fiber Reinforced Polymer (CFRP) Laminates. <i>Materials Science Forum</i> , 0, 800-801, 61-65.	0.3	10
73	Damage Assessment of Composite Structures Using Digital Image Correlation. <i>Applied Composite Materials</i> , 2014, 21, 91-106.	2.5	44
74	Advanced design for lightweight structures: Review and prospects. <i>Progress in Aerospace Sciences</i> , 2014, 69, 29-39.	12.1	89

#	ARTICLE	IF	CITATIONS
75	Pressure impact of autoclave treatment on water sorption and pectin composition of flax cellulosic-fibres. Carbohydrate Polymers, 2014, 102, 21-29.	10.2	31
76	Characterization of carbon fibers using X-ray phase nanotomography. Carbon, 2014, 67, 98-103.	10.3	26
77	Nanofibrous hydrogel composites as mechanically robust tissue engineering scaffolds. Trends in Biotechnology, 2014, 32, 564-570.	9.3	143
78	Experimental and numerical analysis of thermally dissipating equipment in an aircraft confined compartment. Applied Thermal Engineering, 2014, 73, 869-878.	6.0	10
79	Analytical evaluation on uniaxial tensile deformation behavior of fiber metal laminate based on SRPP and its experimental confirmation. Composites Part B: Engineering, 2014, 67, 154-159.	12.0	37
80	Carbon fiber surfaces and composite interphases. Composites Science and Technology, 2014, 102, 35-50.	7.8	585
81	Influence of autoclaving process parameters on the buckling and postbuckling behaviour of thin-walled channel section beams. Thin-Walled Structures, 2014, 85, 262-270.	5.3	42
82	Graphene in the sky and beyond. Nature Nanotechnology, 2014, 9, 745-747.	31.5	68
83	Interface Cohesive Elements to Model Matrix Crack Evolution in Composite Laminates. Applied Composite Materials, 2014, 21, 57-70.	2.5	26
84	Three-dimensional numerical modelling of drilling of carbon fiber-reinforced plastic composites. Journal of Composite Materials, 2014, 48, 1209-1219.	2.4	28
85	Fatigue micromechanism characterisation in carbon fibre reinforced polymers using synchrotron radiation computed tomography. Composites Science and Technology, 2014, 99, 23-30.	7.8	69
86	Injection repair of carbon fiber/bismaleimide composite panels with bisphenol E cyanate ester resin. Composites Science and Technology, 2014, 100, 174-181.	7.8	36
87	Experimental investigation on drilling of high strength T800S/250F CFRP with twist and dagger drill bits. International Journal of Abrasive Technology, 2014, 6, 183.	0.2	12
88	Effect of wing-box structure on the optimum wing outer shape. Aeronautical Journal, 2014, 118, 1-30.	1.6	16
89	Infrared thermography and ultrasonics to evaluate composite materials for aeronautical applications. Journal of Physics: Conference Series, 2015, 658, 012007.	0.4	15
90	Study of Cutting Forces and Surface Roughness in Milling of Carbon Fibre Composite (CFC) With Conventional and Pressurized CO2 Cutting Fluids. , 2015, , .		0
91	Oblique plies for steering through-thickness delamination migration in fibre reinforced polymers. , 2015, , .		0
92	Abrasive Waterjet Texturing as a Method to Enhance the Embedment of Metallic Inserts in Composite Materials. Procedia Engineering, 2015, 132, 724-731.	1.2	4

#	ARTICLE	IF	CITATIONS
94	Comparison and Analysis on Mechanical Property and Machinability about Polyetheretherketone and Carbon-Fibers Reinforced Polyetheretherketone. <i>Materials</i> , 2015, 8, 4118-4130.	2.9	37
95	Survey of Active Structural Control and Repair Using Piezoelectric Patches. <i>Actuators</i> , 2015, 4, 77-98.	2.3	21
96	Influence of Fiber Orientation on Single-Point Cutting Fracture Behavior of Carbon-Fiber/Epoxy Prepreg Sheets. <i>Materials</i> , 2015, 8, 6738-6751.	2.9	13
97	Temperature Distribution and Curing Behaviour of Carbon Fibre/ Epoxy Composite during Vacuum Assisted Resin Infusion Moulding Using Rapid Heating Methods. <i>Polymers and Polymer Composites</i> , 2015, 23, 11-20.	1.9	13
98	EFFECT OF NANOCCLAY CONTENT ON FLEXURAL PROPERTIES OF GLASS FIBER REINFORCED POLYMER (GFRP) COMPOSITES. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2015, 76, .	0.4	1
99	Surface modification of aramid fiber by plasma induced vapor phase graft polymerization of acrylic acid. I. Influence of plasma conditions. <i>Applied Surface Science</i> , 2015, 349, 333-342.	6.1	123
100	Interfacial reactions and zigzag groove strengthening of C/C composite and Rene N5 single crystal brazed joint. <i>Ceramics International</i> , 2015, 41, 11605-11610.	4.8	40
101	Analysis of possibilities for modification of drill bit geometrical parameters used to drill holes in composite materials of various composition. <i>Aircraft Engineering and Aerospace Technology</i> , 2015, 87, 120-130.	0.8	6
102	Experimental investigation on drilling of carbon fibre reinforced plastic using diamond-coated drill. <i>Materials Research Innovations</i> , 2015, 19, S9-95-S9-99.	2.3	1
103	Reaction of carbon fiber sizing and its influence on the interphase region of composites. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	14
104	Combined Multiscale Creep Strain and Creep Rupture Modeling for Composite Materials. , 2015, , .		1
105	Study on impact performances of scarf-repaired carbon fiber reinforced polymer laminates. <i>Journal of Reinforced Plastics and Composites</i> , 2015, 34, 60-71.	3.1	19
106	Study on the cutting mechanics characteristics of high-strength UD-CFRP laminates based on orthogonal cutting method. <i>Composite Structures</i> , 2015, 131, 374-383.	5.8	81
107	Ablation behaviors of carbon reinforced polymer composites by laser of different operation modes. <i>Optics and Laser Technology</i> , 2015, 73, 23-28.	4.6	55
108	Preparation of carbon fibers from linear low density polyethylene. <i>Carbon</i> , 2015, 94, 524-530.	10.3	53
109	Domain Superposition Technique for Free Vibration Analysis of Textile Composite Structures. <i>Kemija U Industriji</i> , 2015, 64, 117-124.	0.3	1
110	Wear Resistance Properties of Nylon-SiC Hybrids Composites. <i>Advanced Materials Research</i> , 2015, 1110, 88-91.	0.3	1
111	The Effects of Cutting Parameters on Work-Hardening of Milling Invar 36. <i>Advanced Materials Research</i> , 0, 1089, 373-376.	0.3	4

#	ARTICLE	IF	CITATIONS
112	Effects of tool parameters on cutting force in orthogonal machining of T700/LT03A unidirectional carbon fiber reinforced polymer laminates. <i>Journal of Reinforced Plastics and Composites</i> , 2015, 34, 591-602.	3.1	31
113	Fabrication of a thermoplastic matrix composite stiffened panel by induction welding. <i>Aerospace Science and Technology</i> , 2015, 43, 314-320.	4.8	59
114	Nondestructive evaluation of carbon fibre reinforced composites with infrared thermography and ultrasonics. <i>Composite Structures</i> , 2015, 134, 845-853.	5.8	147
115	Few- and multi-layer graphene on carbon fibers: synthesis and application. <i>RSC Advances</i> , 2015, 5, 81266-81274.	3.6	19
116	Manufacturing of Natural Fibre Reinforced Polymer Composites. , 2015, , .		44
117	Yarn Flax Fibres for Polymer-Coated Sutures and Hand Layup Polymer Composite Laminates. , 2015, , 155-175.		24
118	Tensile strength of open-hole, pin-loaded and multi-bolted single-lap joints in woven composite plates. <i>Materials and Design</i> , 2015, 88, 702-712.	7.0	51
119	Effects of thickness and fiber volume fraction variations on strain field inhomogeneity. <i>Composites Part A: Applied Science and Manufacturing</i> , 2015, 69, 178-185.	7.6	23
120	Healing potential of hybrid materials for structural composites. <i>Composite Structures</i> , 2015, 122, 57-66.	5.8	36
121	Self-repair of structural and functional composites with intrinsically self-healing polymer matrices: A review. <i>Composites Part A: Applied Science and Manufacturing</i> , 2015, 69, 226-239.	7.6	164
122	Improving the through-thickness thermal and electrical conductivity of carbon fibre/epoxy laminates by exploiting synergy between graphene and silver nano-inclusions. <i>Composites Part A: Applied Science and Manufacturing</i> , 2015, 69, 72-82.	7.6	180
123	Thermoplastic-epoxy interactions and their potential applications in joining composite structures – A review. <i>Composites Part A: Applied Science and Manufacturing</i> , 2015, 68, 121-132.	7.6	175
124	Influence of Interleaved Films on the Mechanical Properties of Carbon Fiber Fabric/Polypropylene Thermoplastic Composites. <i>Materials</i> , 2016, 9, 344.	2.9	29
125	The Effect of the Melt Viscosity and Impregnation of a Film on the Mechanical Properties of Thermoplastic Composites. <i>Materials</i> , 2016, 9, 448.	2.9	26
126	Shock loading of polymer composites. , 2016, , 337-363.		4
127	Increased interfacial adhesion between carbon fiber and poly(vinylidene fluoride) by an aqueous sizing agent. <i>Surface and Interface Analysis</i> , 2016, 48, 1410-1417.	1.8	5
128	Selection of thinner for epoxy-amine system used as binder for polymeric mortars. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	2.6	0
129	Review of cost estimation: methods and models for aerospace composite manufacturing. <i>Advanced Manufacturing: Polymer and Composites Science</i> , 2016, 2, 1-13.	0.4	29

#	ARTICLE	IF	CITATIONS
130	Investigation on the damage evolution in the impacted composite material based on active infrared thermography. NDT and E International, 2016, 83, 114-122.	3.7	48
131	Effect of drilling parameters and tool geometry on drilling performance in drilling carbon fiber reinforced plastic/titanium alloy stacks. Advances in Mechanical Engineering, 2016, 8, 168781401667028.	1.6	42
132	A Study of Cutting Force and Force Coefficients in Orthogonal Cutting of High-Strength CFRP T700 Laminates. Key Engineering Materials, 0, 693, 704-709.	0.4	0
133	Edge Delamination and Residual Properties of Drilled Carbon Fiber Composites with and without Short-Aramid-Fiber Interleaf. Applied Composite Materials, 2016, 23, 973-985.	2.5	11
134	Life cycle carbon emissions assessment using an eco-demonstrator aircraft: the case of an ecological wing design. Journal of Cleaner Production, 2016, 124, 246-257.	9.3	16
135	Parameter optimization of multi-pass multi-layer MIG welded joint for invar alloy. International Journal of Advanced Manufacturing Technology, 2016, 87, 601-613.	3.0	12
136	Assessment of residual strength of repaired solid laminate composite materials through mechanical testing. Composite Structures, 2016, 147, 122-130.	5.8	33
137	Chemical modification of starch with epoxy resin to enhance the interfacial adhesion of epoxy-based glass fiber composites. RSC Advances, 2016, 6, 84187-84193.	3.6	16
138	From Waste Cotton Linter: A Renewable Environment-Friendly Biomass Based Carbon Fibers Preparation. ACS Sustainable Chemistry and Engineering, 2016, 4, 5585-5593.	6.7	59
139	Improvement of interfacial strength and thermal stability of carbon fiber composites by directly grafting unique particles: functionalized mesoporous silicas. RSC Advances, 2016, 6, 80485-80492.	3.6	8
140	On the nature of interface of carbon nanotube coated carbon fibers with different polymers. IOP Conference Series: Materials Science and Engineering, 2016, 139, 012014.	0.6	6
141	Fatigue damage detection for advanced military aircraft structures. , 2016, , .		0
142	Examination and modification of equivalent delamination factor for assessment of high speed drilling. Journal of Mechanical Science and Technology, 2016, 30, 5159-5165.	1.5	23
143	High-strength carbon nanotube/carbon composite fibers via chemical vapor infiltration. Nanoscale, 2016, 8, 18972-18979.	5.6	46
144	Processing and damage recovery of intrinsic self-healing glass fiber reinforced composites. Smart Materials and Structures, 2016, 25, 084012.	3.5	31
145	Influence of microwave plasma treatment on the surface properties of carbon fibers and their adhesion in a polypropylene matrix. IOP Conference Series: Materials Science and Engineering, 2016, 139, 012046.	0.6	13
146	Visualization of impact damaging of carbon/epoxy panels. AIP Conference Proceedings, 2016, , .	0.4	3
147	Improved longitudinal compression performance of a unidirectional fiber reinforced composite with a filament covering. Polymer Composites, 2016, 37, 3127-3133.	4.6	1

#	ARTICLE	IF	CITATIONS
148	High resolution imaging of impacted CFRP composites with a fiber-optic laser-ultrasound scanner. <i>Photoacoustics</i> , 2016, 4, 55-64.	7.8	49
149	Tool fabrication for composite forming of aircraft winglet using multi-point dieless forming. <i>Journal of Mechanical Science and Technology</i> , 2016, 30, 2203-2210.	1.5	6
150	Flapwise free vibration characteristics of a rotating composite thin-walled beam under aerodynamic force and hygrothermal environment. <i>Composite Structures</i> , 2016, 153, 490-503.	5.8	36
151	Development of a novel cyanoacrylate injection repair procedure for composites. <i>Composite Structures</i> , 2016, 153, 1-11.	5.8	16
152	Effects of triangle-shape fiber on the transverse mechanical properties of unidirectional carbon fiber reinforced plastics. <i>Composite Structures</i> , 2016, 152, 617-625.	5.8	36
153	Tribological Behaviors of Carbon Fiber Reinforced Epoxy Composites Under PAO Lubrication Conditions. <i>Tribology Letters</i> , 2016, 62, 1.	2.6	18
154	Evaluating the heat resistance of thermal insulated sandwich composites subjected to a turbulent fire. <i>Fire and Materials</i> , 2016, 40, 586-598.	2.0	10
155	Spatial damage detection in electrically anisotropic fiber-reinforced composites using carbon nanotube networks. <i>Composite Structures</i> , 2016, 141, 14-23.	5.8	62
156	Modelling transverse matrix cracking and splitting of cross-ply composite laminates under four point bending. <i>Theoretical and Applied Fracture Mechanics</i> , 2016, 83, 73-81.	4.7	38
157	Influence of workpiece constituents and cutting speed on the cutting forces developed in the conventional drilling of CFRP composites. <i>Composite Structures</i> , 2016, 140, 621-629.	5.8	79
158	Assessment of delamination in composite materials: A review. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2016, 230, 1990-2003.	2.4	83
159	Experimental and numerical investigation of balanced Boron/Epoxy single lap joints subjected to salt spray aging. <i>International Journal of Adhesion and Adhesives</i> , 2016, 68, 9-18.	2.9	15
160	Local buckling and post-buckling of composite channel-section beams – Numerical and experimental investigations. <i>Composites Part B: Engineering</i> , 2016, 91, 176-188.	12.0	70
161	A Novel Sonochemical Approach for Enhanced Recovery of Carbon Fiber from CFRP Waste Using Mild Acid Peroxide Mixture. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 2080-2087.	6.7	66
162	Physics-Based Multiscale Creep Strain and Creep Rupture Modeling for Composite Materials. <i>AIAA Journal</i> , 2016, 54, 703-711.	2.6	5
163	Microstructural design and additive manufacturing and characterization of 3D orthogonal short carbon fiber/acrylonitrile-butadiene-styrene preform and composite. <i>Composites Science and Technology</i> , 2016, 126, 139-148.	7.8	111
164	Effect of CNTs addition on the erosive wear response of epoxy resin and carbon fibre composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2016, 84, 299-307.	7.6	45
165	Compression-induced graphite nanoplatelets orientation in fibre-reinforced plastic composites. <i>Composites Part B: Engineering</i> , 2016, 90, 493-502.	12.0	7

#	ARTICLE	IF	CITATIONS
166	Modeling of carbon nanotubes and carbon nanotube-polymer composites. <i>Progress in Aerospace Sciences</i> , 2016, 80, 33-58.	12.1	77
167	Size effect of graphene nanoplatelets on the morphology and mechanical behavior of glass fiber/epoxy composites. <i>Journal of Materials Science</i> , 2016, 51, 3337-3348.	3.7	80
168	Measuring the rate-dependent mode I fracture toughness of composites – A review. <i>Composites Part A: Applied Science and Manufacturing</i> , 2016, 81, 1-12.	7.6	94
169	Delamination and Surface Roughness Analyses in Drilling Hybrid Carbon/Glass Composite. <i>Materials and Manufacturing Processes</i> , 2016, 31, 1366-1376.	4.7	70
170	Flame-retardant fibrous materials in an aircraft. <i>Journal of Industrial Textiles</i> , 2016, 45, 1128-1169.	2.4	18
171	Comprehensive Conceptualization, Design, and Experimental Verification of a Weight-Optimized All-SiC 2 kV/700 V DAB for an Airborne Wind Turbine. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2016, 4, 638-656.	5.4	78
172	Oblique Plies for Steering Through-Thickness Delamination Migration in Fiber-Reinforced Polymers. <i>Journal of Aircraft</i> , 2016, 53, 387-395.	2.4	0
173	Stochastic free vibration analysis of laminated composite plates using polynomial correlated function expansion. <i>Composite Structures</i> , 2016, 135, 236-249.	5.8	47
174	Recent advances in drilling hybrid FRP/Ti composite: A state-of-the-art review. <i>Composite Structures</i> , 2016, 135, 316-338.	5.8	190
175	Effect of stacking sequence on Charpy impact and flexural damage behavior of composite laminates. <i>Composite Structures</i> , 2016, 136, 345-357.	5.8	110
176	Effect of through-thickness compression on in-plane tensile strength of glass/epoxy composites: Experimental study. <i>Polymer Testing</i> , 2016, 49, 1-7.	4.8	13
177	Curing processes simulation of complex shape carbon fiber reinforced composite components produced by vacuum infusion. <i>Polymer Composites</i> , 2016, 37, 2252-2259.	4.6	9
178	Preparation of carbon fiber-reinforced thermoplastics with high fiber volume fraction and high heat-resistant properties. <i>Journal of Thermoplastic Composite Materials</i> , 2017, 30, 724-737.	4.2	27
179	The effect of traditional flame retardants, nanoclays and carbon nanotubes in the fire performance of epoxy resin composites. <i>Fire and Materials</i> , 2017, 41, 111-130.	2.0	40
180	Preparation of boz/glass fibers/cyanate ester resins laminated composites. <i>Polymer Composites</i> , 2017, 38, 523-527.	4.6	8
181	A multi-field finite element approach for the modelling of fibre-reinforced composites with fibre-bending stiffness. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2017, 317, 1037-1067.	6.6	21
182	Enhancement the Armor Shielding Properties of CF/epoxy Composite by Addition Nanoparticles of Magnetic Iron Oxide. <i>MATEC Web of Conferences</i> , 2017, 88, 01002.	0.2	1
183	Effects of cutting edge radius and fiber cutting angle on the cutting-induced surface damage in machining of unidirectional CFRP composite laminates. <i>International Journal of Advanced Manufacturing Technology</i> , 2017, 91, 3107-3120.	3.0	97

#	ARTICLE	IF	CITATIONS
184	In process monitoring of cutting temperature during the drilling of FRP laminate. Composite Structures, 2017, 168, 549-561.	5.8	95
185	A review on the manufacturing defects of complex-shaped laminate in aircraft composite structures. International Journal of Advanced Manufacturing Technology, 2017, 91, 4081-4094.	3.0	72
186	Galvanic Effect Between Galvanized Steel and Carbon Fiber Reinforced Polymers. Acta Metallurgica Sinica (English Letters), 2017, 30, 342-351.	2.9	13
187	Multifunctional polymer composites reinforced by carbon nanotubes“Alumina hybrids with urchin-like structure. Materials Today Communications, 2017, 11, 94-102.	1.9	18
188	A deburring strategy in drilled hole of CFRP composites using“EDM”process. Journal of Alloys and Compounds, 2017, 703, 477-485.	5.5	41
189	Deposition Thickness Modeling and Parameter Identification for a Spray-Assisted Vacuum Filtration Process in Additive Manufacturing. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2017, 139, .	2.2	3
190	Carbon Fibre from Lignin. SpringerBriefs in Materials, 2017, , .	0.3	16
191	Optical frequency domain reflectometry for aerospace applications. Proceedings of SPIE, 2017, , .	0.8	1
192	Wing cross veins: an efficient biomechanical strategy to mitigate fatigue failure of insect cuticle. Biomechanics and Modeling in Mechanobiology, 2017, 16, 1947-1955.	2.8	20
193	Implementation of advanced signal processing techniques on Line-Scan Thermography data. , 2017, , .		3
194	Uniaxial tensile and impact investigation of carbon-fabric/polycarbonate composites with different weave tow widths. Materials and Design, 2017, 131, 470-480.	7.0	21
195	Graphene coated piezo-resistive fabrics for liquid composite molding process monitoring. Composites Science and Technology, 2017, 148, 106-114.	7.8	55
196	A review on finite element method for machining of composite materials. Composite Structures, 2017, 176, 790-802.	5.8	103
197	Tensile failure analysis and residual strength prediction of CFRP laminates with open hole. Composites Part B: Engineering, 2017, 126, 49-59.	12.0	43
198	X-ray backscatter sensing of defects in carbon fibre composite materials. , 2017, , .		0
199	Optimization of the Inspection of Large Composite Materials Using Robotized Line Scan Thermography. Journal of Nondestructive Evaluation, 2017, 36, 1.	2.4	47
200	Structural Performance of Wood Based Sandwich Panels in Four Point Bending. Procedia Engineering, 2017, 172, 628-633.	1.2	14
201	General Background and Introduction. SpringerBriefs in Materials, 2017, , 1-10.	0.3	0

#	ARTICLE	IF	CITATIONS
202	Enhanced interlaminar fracture toughness of unidirectional carbon fiber/epoxy composites modified with sprayed multi-walled carbon nanotubes. <i>Composite Interfaces</i> , 2017, 24, 883-896.	2.3	42
203	Infrared thermography to locate impact damage in thin and thicker carbon/epoxy panels. <i>Polymer Engineering and Science</i> , 2017, 57, 657-664.	3.1	7
204	Mild chemical recycling of aerospace fiber/epoxy composite wastes and utilization of the decomposed resin. <i>Polymer Degradation and Stability</i> , 2017, 139, 20-27.	5.8	107
205	Effects of short glass fibers on the mechanical properties of glass fiber fabric/PVC composites. <i>Materials Research Express</i> , 2017, 4, 035301.	1.6	14
206	Analysis of cracked lap shear testing of tungsten-CFRP hybrid laminates. <i>Engineering Fracture Mechanics</i> , 2017, 175, 184-200.	4.3	6
207	Hybrid effect of ZnS sub-micrometer particles and reinforcing fibers on tribological performance of polyimide under oil lubrication conditions. <i>Wear</i> , 2017, 380-381, 86-95.	3.1	30
208	Electrochemical surface modification of carbon fibres by grafting of amine, carboxylic and lipophilic amide groups. <i>Carbon</i> , 2017, 118, 393-403.	10.3	97
209	Additive manufacturing in unmanned aerial vehicles (UAVs): Challenges and potential. <i>Aerospace Science and Technology</i> , 2017, 63, 140-151.	4.8	252
210	X-ray computed tomography study of kink bands in unidirectional composites. <i>Composite Structures</i> , 2017, 160, 917-924.	5.8	69
211	Anti-symmetrical curved composite laminate subject to delamination induced by thermal cycling. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2017, 40, 1072-1085.	3.4	4
212	Harnessing mechanical instabilities at the nanoscale to achieve ultra-low stiffness metals. <i>Nature Communications</i> , 2017, 8, 1137.	12.8	11
213	Synthesis and Characterization of Hybrid CF/MWCNT _S /Epoxy Resin Composite System. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 220, 012021.	0.6	4
214	Dielectric constant of a three-dimensional woven glass fibre composite: Analysis and measurement. <i>Composite Structures</i> , 2017, 180, 853-861.	5.8	35
215	In-line monitoring of jute fiber-reinforced poly(lactic acid) composite subjected to impact loading using infrared thermography. <i>Journal of Applied Polymer Science</i> , 2017, 134, 45579.	2.6	5
216	Damage resistance of carbon fibre reinforced epoxy laminates subjected to low velocity impact: Effects of laminate thickness and ply-stacking sequence. <i>Polymer Testing</i> , 2017, 63, 530-541.	4.8	80
217	Coupling coefficients of glass/epoxy laminates under off-axis tensile conditions: Experimental verification. <i>Polymer Testing</i> , 2017, 63, 334-341.	4.8	4
218	Effect of cooling rate on mechanical properties of carbon fibre fabric and polypropylene composites. <i>Materials Research Express</i> , 2017, 4, 095304.	1.6	7
219	Research on the microstructure and properties of laser-MIG hybrid welded joint of Invar alloy. <i>Optics and Laser Technology</i> , 2017, 97, 124-136.	4.6	19

#	ARTICLE	IF	CITATIONS
220	Aromatic thermosetting copolyester nanocomposite foams: High thermal and mechanical performance lightweight structural materials. <i>Polymer</i> , 2017, 123, 311-320.	3.8	18
221	Improvement in mechanical properties of glass fiber fabric/PVC composites with chopped glass fibers and coupling agent. <i>Materials Research Express</i> , 2017, 4, 075303.	1.6	6
222	MWCNT modified structure-conductive composite and its electromagnetic shielding behavior. <i>Composites Part B: Engineering</i> , 2017, 130, 21-27.	12.0	38
223	Selective cleavage of ester linkages of anhydride-cured epoxy using a benign method and reuse of the decomposed polymer in new epoxy preparation. <i>Green Chemistry</i> , 2017, 19, 4364-4372.	9.0	113
224	Anticipating in-use stocks of carbon fiber reinforced polymers and related waste flows generated by the commercial aeronautical sector until 2050. <i>Resources, Conservation and Recycling</i> , 2017, 125, 264-272.	10.8	101
225	A review of composite product data interoperability and product life-cycle management challenges in the composites industry. <i>Advanced Manufacturing: Polymer and Composites Science</i> , 2017, 3, 130-147.	0.4	7
226	Simulating Resin Infusion through Textile Reinforcement Materials for the Manufacture of Complex Composite Structures. <i>Engineering</i> , 2017, 3, 596-607.	6.7	36
227	Fire-retardant carbon-fiber-reinforced thermoset composites. , 2017, , 271-293.		12
228	Composite Materials in the Aeronautical Industry. , 2017, , 1-24.		22
229	Rotary ultrasonic face grinding of carbon fiber reinforced plastic (CFRP): a study on cutting force model. <i>International Journal of Advanced Manufacturing Technology</i> , 2017, 89, 847-856.	3.0	51
230	Delamination detection in composite plates by synthesizing time-reversed Lamb waves and a modified damage imaging algorithm based on RAPID. <i>Structural Control and Health Monitoring</i> , 2017, 24, e1919.	4.0	44
231	Influence of off-axis ply orientation on the axial compression behaviour of CFRP tubes. <i>Journal of Reinforced Plastics and Composites</i> , 2017, 36, 399-413.	3.1	1
232	A novel path planning algorithm in robotic fibre placement for complex closed surface structures. , 2017, , .		0
233	Wireless Sensors Networks as Black-Box Recorder for Fast Flight Data Recovery during Aircraft Crash Investigation. <i>IFAC-PapersOnLine</i> , 2017, 50, 814-819.	0.9	2
234	Applications of microwave techniques for aerospace composites. , 2017, , .		7
235	Path optimization for open-contoured structures in Robotic Fibre Placement. , 2017, , .		2
236	The Use of Vibrothermography for Detecting and Sizing low Energy Impact Damage of Cfrp Laminate. <i>Advanced Composites Letters</i> , 2017, 26, 096369351702600.	1.3	4
237	Molecular Mechanics of the Moisture Effect on Epoxy/Carbon Nanotube Nanocomposites. <i>Nanomaterials</i> , 2017, 7, 324.	4.1	27

#	ARTICLE	IF	CITATIONS
238	Self-Healing Polymeric Composite Material Design, Failure Analysis and Future Outlook: A Review. <i>Polymers</i> , 2017, 9, 535.	4.5	58
239	Mixed-Mode Delamination Failures of Quasi-Isotropic Quasi- Homogeneous Carbon/Epoxy Laminated Composite. , 0, .		5
240	Fractographic and rheological characterizations of CF/PP-PE-copolymer composites tested in tensile. <i>Polimeros</i> , 2017, 27, 108-115.	0.7	4
241	Fabrication and Characterization of Carbon Fiber-Reinforced Nano-Hydroxyapatite/Polyamide46 Biocomposite for Bone Substitute. <i>Medical Science Monitor</i> , 2017, 23, 2479-2487.	1.1	8
242	Green composites for aircraft interior panels. <i>International Journal of Sustainable Aviation</i> , 2017, 3, 252.	0.2	5
243	Impact Response of Carbon Fibre Fabric/Thermoset-Thermo-Plastic Combined Polymer Composites. <i>Advanced Composites Letters</i> , 2017, 26, 096369351702600.	1.3	9
244	A predictive model of interfacial interactions between functionalised carbon fibre surfaces cross-linked with epoxy resin. <i>Composites Science and Technology</i> , 2018, 159, 127-134.	7.8	43
245	Mode I and Mode II interlaminar fracture behavior of E-glass fiber reinforced epoxy composites modified with reduced exfoliated graphite oxide. <i>Polymer Composites</i> , 2018, 39, E2506.	4.6	25
246	Study on fibre laser machining quality of plain woven CFRP laminates. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.	2.3	12
247	Numerical Investigation of Delamination in Drilling of Carbon Fiber Reinforced Polymer Composites. <i>Applied Composite Materials</i> , 2018, 25, 1419-1439.	2.5	10
248	Temperature variation and damage characteristic of impacted CFRP laminate using infrared thermography: Experimental investigation. <i>International Journal of Fatigue</i> , 2018, 112, 130-137.	5.7	12
249	Novel thermoplastic yarn for the through-thickness reinforcement of fibre-reinforced polymer composites. <i>Journal of Thermoplastic Composite Materials</i> , 2018, 31, 1619-1633.	4.2	4
250	Kinetics, evolving thermal properties, and surface ignition of carbon fiber reinforced epoxy composite during laser-induced decomposition. <i>Polymer Degradation and Stability</i> , 2018, 152, 147-161.	5.8	17
251	Effect of Reinforced SiC Particulates of Different Grit Size on Mechanical and Tribological Properties of Hybrid Polymer Matrix Composites. <i>Materials Today: Proceedings</i> , 2018, 5, 8073-8079.	1.8	20
252	Investigation of hole quality during drilling of KFRP based on the interaction between collars and cutter. <i>International Journal of Advanced Manufacturing Technology</i> , 2018, 95, 4101-4116.	3.0	12
253	Real-time estimation of delamination occurrence induced by low-velocity impact in composite plates using optical fiber sensing system. <i>Composite Structures</i> , 2018, 189, 455-462.	5.8	17
254	A review on machinability of carbon fiber reinforced polymer (CFRP) and glass fiber reinforced polymer (GFRP) composite materials. <i>Defence Technology</i> , 2018, 14, 318-326.	4.2	391
255	Fabrication of high-stiffness fiber-metal laminates and study of their behavior under low-velocity impact loadings. <i>Composite Structures</i> , 2018, 189, 61-69.	5.8	60

#	ARTICLE	IF	CITATIONS
256	An Efficient Method of Recycling of CFRP Waste Using Peracetic Acid. ACS Sustainable Chemistry and Engineering, 2018, 6, 1564-1571.	6.7	96
257	Parameter Optimization of Robotize Line Scan Thermography for CFRP Composite Inspection. Journal of Nondestructive Evaluation, 2018, 37, 1.	2.4	13
258	Comparison between the mechanical properties of carbon/epoxy laminates manufactured by autoclave and pressurized prepreg. Polymer Composites, 2018, 39, E2562-E2572.	4.6	9
259	Forming and drilling of fiber metal laminates " A review. Journal of Reinforced Plastics and Composites, 2018, 37, 981-990.	3.1	12
260	Study on burr occurrence and surface integrity during slot milling of multidirectional and plain woven CFRPs. International Journal of Advanced Manufacturing Technology, 2018, 97, 163-173.	3.0	37
261	Simultaneous improvement of interfacial strength and toughness between carbon fiber and epoxy by introducing amino functionalized ZrO ₂ on fiber surface. Materials and Design, 2018, 149, 15-24.	7.0	68
262	Interfacial aspects of carbon composites. Composite Interfaces, 2018, 25, 539-605.	2.3	51
263	Drilling of Composites Using Tools of Polycrystalline Superhard Materials. Journal of Superhard Materials, 2018, 40, 58-64.	1.2	3
264	Mechanical Properties of Alumina Nanofilled Polymeric Composites Cured with DDSA and MNA. Fibers and Polymers, 2018, 19, 460-470.	2.1	3
265	Improved mechanical properties of carbon fiber reinforced PTFE composites by growing graphene oxide on carbon fiber surface. Composite Interfaces, 2018, 25, 995-1004.	2.3	29
266	Physico-mechanical properties of gamma-irradiated clay/polyester nanocomposites. Polymer Composites, 2018, 39, 3666-3675.	4.6	4
267	Development of a comprehensive delamination assessment factor and its evaluation with high-speed drilling of composite laminates using a twist drill. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2018, 232, 2109-2121.	2.4	21
268	Effects of Environmental Conditions on Erosion Wear of Eggshell Particulate Epoxy Composites. Silicon, 2018, 10, 627-634.	3.3	34
269	Review on Three-Dimensionally Emulated Fiber-Embedded Lactic Acid Polymer Composites: Opportunities in Engineering Sector. Polymer-Plastics Technology and Engineering, 2018, 57, 860-874.	1.9	38
270	Moisture effect on interfacial integrity of epoxy-bonded system: a hierarchical approach. Nanotechnology, 2018, 29, 024001.	2.6	27
271	A novel uncertainty analysis method for composite structures with mixed uncertainties including random and interval variables. Composite Structures, 2018, 184, 400-410.	5.8	34
272	Surface modification of carbon fibre using graphene-related materials for multifunctional composites. Composites Part B: Engineering, 2018, 133, 240-257.	12.0	123
273	Fibers and Textiles for Fully Bio-Based Fiber Reinforced Materials. , 2018, , 33-48.		1

#	ARTICLE	IF	CITATIONS
274	A new method to reduce delaminations during drilling of FRP laminates by feed rate control. <i>Composite Structures</i> , 2018, 186, 154-164.	5.8	124
275	Structural Design and Optimization of an Aircraft Morphing Wing: Composite Skin. <i>Journal of Aircraft</i> , 2018, 55, 195-211.	2.4	6
276	Morphological Study of the Flexural Behaviour of Nanoclay Filled Jute/Kevlar Reinforced Epoxy Hybrid Composite. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 376, 012082.	0.6	10
277	Mechanical, Degradation and Water Uptake Properties of Fabric Reinforced Polypropylene Based Composites: Effect of Alkali on Composites. <i>Fibers</i> , 2018, 6, 94.	4.0	23
278	Difference of Discharge Phenomena under GFRP and CFRP Insulation Barrier with Steep Impulse Voltage. , 2018, , .		1
279	A reliability approach for the MEA power system architecture design optimization problem. , 2018, , .		3
280	Photo-Acoustic Based Non-Contact and Non-Destructive Evaluation for Detection of Damage Precursors in Composites. , 2018, , .		1
281	Numerical Modeling of Exit-Ply Delamination During Drilling of CFRPs Considering Thermal Effects. <i>International Journal for Computational Methods in Engineering Science and Mechanics</i> , 2018, 19, 383-389.	2.1	7
282	Investigation of dynamic characteristics of carbon composites by laser Doppler vibrometry. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	0
283	Challenge and Advantage of Materials in Design and Fabrication of Composite UAV. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 455, 012005.	0.6	10
284	Review on Joining Process of Carbon Fiber-Reinforced Polymer and Metal: Methods and Joining Process. <i>Rare Metal Materials and Engineering</i> , 2018, 47, 3686-3696.	0.8	48
285	Tensile Properties of a Novel Graphene Pattern Stitched Carbon/Epoxy 3D Composite. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 460, 012015.	0.6	4
286	Measurement of Sub-micron Deformations and Stresses at Microsecond Intervals in Laterally Impacted Composite Plates Using Digital Gradient Sensing. <i>Journal of Dynamic Behavior of Materials</i> , 2018, 4, 336-358.	1.7	9
287	Structural Health Monitoring using Magnetostrictive Sensors. , 2018, , .		1
288	The Out-of-Plane Compression Behavior of Cross-Ply AS4/PEEK Thermoplastic Composite Laminates at High Strain Rates. <i>Materials</i> , 2018, 11, 2312.	2.9	17
289	Predicting the Effective Mechanical Properties of Graphene Nanoplatelet-Carbon Fiber-Epoxy Hybrid Composites Using ReaxFF: A Multiscale Modeling. , 2018, , .		2
290	Numerical investigations of polymer-based fibre-reinforced structures with fluidically actuated Compressible Constrained Layer Damping. <i>Proceedings in Applied Mathematics and Mechanics</i> , 2018, 18, e201800260.	0.2	3
291	Complex-Variable Finite-Element Method for Mixed Mode Fracture and Interface Cracks. <i>AIAA Journal</i> , 2018, 56, 4632-4637.	2.6	4

#	ARTICLE	IF	CITATIONS
292	Effects of Set Curvature and Fiber Bundle Size on the Printed Radius of Curvature by a Continuous Carbon Fiber Composite 3D Printer. Additive Manufacturing, 2018, 24, 93-102.	3.0	42
293	A quantitative approach to retrieve delamination extension from thermal images recorded during impact tests. NDT and E International, 2018, 100, 142-152.	3.7	12
294	Numerical simulation of keyhole behaviors and droplet transfer in laser-MIG hybrid welding of Invar alloy. International Journal of Numerical Methods for Heat and Fluid Flow, 2018, 28, 1974-1993.	2.8	13
295	A Review of Recent Research on Bio-Based Epoxy Systems for Engineering Applications and Potentialities in the Aviation Sector. Aerospace, 2018, 5, 110.	2.2	114
296	The Effect of Process Parameters on the Machined Surface Quality in Milling of CFRPs. Communications in Computer and Information Science, 2018, , 418-427.	0.5	2
297	Experimental study on hole quality and its impact on tensile behavior following pure and abrasive waterjet cutting of plain woven CFRP laminates. International Journal of Advanced Manufacturing Technology, 2018, 99, 2481-2490.	3.0	29
298	Development of electrically conductive structural BMI based CFRPs for lightning strike protection. Composites Science and Technology, 2018, 167, 555-562.	7.8	32
299	Multi-scale wave propagation modelling for two-dimensional periodic textile composites. Composites Part B: Engineering, 2018, 150, 144-156.	12.0	40
300	Computed tomography informed composite damage state model generation. Journal of Composite Materials, 2018, 52, 3523-3538.	2.4	4
301	Water Absorption Process in Polymer Composites: Theory Analysis and Applications. Advanced Structured Materials, 2018, , 219-249.	0.5	4
302	Exploring the applicability of blockchain technology to enhance manufacturing supply chains in the composite materials industry. , 2018, , .		51
303	Fiber laser cutting of CFRP laminates with single- and multi-pass strategy: A feasibility study. Optics and Laser Technology, 2018, 107, 443-453.	4.6	46
304	The role of patch-parent configurations on the tensile response of patch repaired carbon/epoxy laminates. Polymer Testing, 2018, 70, 413-425.	4.8	24
305	Effect of breather type and vacuum pressure on the manufacturing of an unmanned aerial vehicle fuselage using vacuum bagging method. AIP Conference Proceedings, 2018, , .	0.4	2
306	Thrust and torque force analysis in the drilling of aramid fibre-reinforced composite laminates using RSM and MLPNN-GA. Heliyon, 2018, 4, e00703.	3.2	31
307	Infrared Thermography for Inline Monitoring of Glass/Epoxy under Impact and Quasi-Static Bending. Applied Sciences (Switzerland), 2018, 8, 301.	2.5	8
308	Use of a Simple Non-Destructive Technique for Evaluation of the Elastic and Vibration Properties of Fiber-Reinforced and 3D Fiber-Metal Laminate Composites. Fibers, 2018, 6, 14.	4.0	9
309	Prediction of the Fiber Orientation State and the Resulting Structural and Thermal Properties of Fiber Reinforced Additive Manufactured Composites Fabricated Using the Big Area Additive Manufacturing Process. Journal of Composites Science, 2018, 2, 26.	3.0	40

#	ARTICLE	IF	CITATIONS
310	Recent Advances in Active Infrared Thermography for Non-Destructive Testing of Aerospace Components. <i>Sensors</i> , 2018, 18, 609.	3.8	308
311	IR Thermographic Analysis of 3D Printed CFRP Reference Samples with Back-Drilled and Embedded Defects. <i>Journal of Nondestructive Evaluation</i> , 2018, 37, 1.	2.4	8
312	Laser-Based Surface Modification of Microstructure for Carbon Fiber-Reinforced Plastics. <i>Lasers in Manufacturing and Materials Processing</i> , 2018, 5, 168-181.	2.2	1
313	A study of laser surface treatment in bonded repair of composite aircraft structures. <i>Royal Society Open Science</i> , 2018, 5, 171272.	2.4	18
314	Effect of the Microstructure of Carbon Fiber Reinforced Polymer on Electrochemical Behavior. <i>Journal of the Electrochemical Society</i> , 2018, 165, C647-C656.	2.9	11
315	Principles and Applications of Microwave Testing for Woven and Non-Woven Carbon Fibre-Reinforced Polymer Composites: a Topical Review. <i>Applied Composite Materials</i> , 2018, 25, 965-982.	2.5	35
316	Materials selection for aerospace components. , 2018, , 1-18.		11
317	Composite material overview and its testing for aerospace components. , 2018, , 69-108.		7
318	Potential of natural fiber/biomass filler-reinforced polymer composites in aerospace applications. , 2018, , 253-268.		38
319	Effect of coating resin for reinforcing carbon fibers on the interlaminar shear strength of PA6 composites. <i>Composite Interfaces</i> , 2019, 26, 183-191.	2.3	5
320	An integrated framework for solid modeling and structural analysis of layered composites with defects. <i>CAD Computer Aided Design</i> , 2019, 106, 1-12.	2.7	8
321	Novel method for improving fatigue behavior of carbon fiber reinforced epoxy composite. <i>Composites Part B: Engineering</i> , 2019, 157, 305-321.	12.0	40
322	Effect of micro-crystalline cellulose particles on mechanical properties of alkaline treated jute fabric reinforced green epoxy composite. <i>Cellulose</i> , 2019, 26, 9057-9069.	4.9	59
323	Fatigue studies on patch repaired carbon/epoxy woven composites. <i>Composites Part B: Engineering</i> , 2019, 175, 107121.	12.0	15
324	Tool wear mechanism in low-frequency vibration-assisted drilling of CFRP/Ti stacks and its individual layer. <i>International Journal of Advanced Manufacturing Technology</i> , 2019, 104, 2539-2551.	3.0	20
325	Investigation of a pulsed laser ablation process for bonded repair purposes of CFRP composites via peel testing and a design-of-experiments approach. <i>International Journal of Adhesion and Adhesives</i> , 2019, 95, 102407.	2.9	13
326	Overall buckling behaviour of laminated CFRP tubes with off-axis ply orientation in axial compression. <i>Science and Engineering of Composite Materials</i> , 2019, 26, 230-239.	1.4	11
327	Study on the performance of different nano-species used for surface modification of carbon fiber for interface strengthening. <i>Composites Part A: Applied Science and Manufacturing</i> , 2019, 125, 105509.	7.6	76

#	ARTICLE	IF	CITATIONS
328	Monitoring of Multidirectional and Cure-Induced Strain in CFRP Laminates Using FBG Sensors. <i>Materials Science Forum</i> , 0, 953, 72-79.	0.3	5
329	Recent Developments in Graphene Oxide/Epoxy Carbon Fiber-Reinforced Composites. <i>Frontiers in Materials</i> , 2019, 6, .	2.4	46
332	Recent advances in drilling of carbon fiber-reinforced polymers for aerospace applications: a review. <i>International Journal of Advanced Manufacturing Technology</i> , 2019, 105, 2289-2308.	3.0	151
333	Water uptake and mechanical evolution behavior of carbon fiber reinforced plastic under saline and acidic environments. <i>Materials Research Express</i> , 2019, 6, 105349.	1.6	2
335	Novel method of healing the fibre reinforced thermoplastic composite: A potential model for offshore applications. <i>Composites Communications</i> , 2019, 16, 67-78.	6.3	21
336	Direct effects of UV irradiation on graphene-based nanocomposite films revealed by electrical resistance tomography. <i>Composites Science and Technology</i> , 2019, 183, 107823.	7.8	24
337	Dynamic characterisation of interlaminar fracture toughness in carbon fibre epoxy composite laminates. <i>Composites Part A: Applied Science and Manufacturing</i> , 2019, 126, 105597.	7.6	11
338	Sensitivity and Robustness of Neural Networks for Defect-Depth Estimation in CFRP Composites. <i>Journal of Nondestructive Evaluation</i> , 2019, 38, 1.	2.4	11
339	Getting Information on Impact Damage of Carbon Fibre-Reinforced Composites from Thermal Signature Evolution. <i>Aerotecnica Missili & Spazio</i> , 2019, 98, 247-256.	0.9	0
340	Transient response predication of nickel coated carbon fiber composite subjected to high altitude electromagnetic pulse. <i>Composite Structures</i> , 2019, 226, 111307.	5.8	8
341	Structural and chemical comparison between moderately oxygenated and edge oxygenated graphene: mechanical, electrical and thermal performance of the epoxy nanocomposites. <i>SN Applied Sciences</i> , 2019, 1, 1.	2.9	9
342	Interfacial Engineering of Reduced Graphene Oxide for Aramid Nanofiber-Enabled Structural Supercapacitors. <i>Batteries and Supercaps</i> , 2019, 2, 464-472.	4.7	29
343	Effect of Thermal Ageing on the Impact and Flexural Damage Behaviour of Carbon Fibre-Reinforced Epoxy Laminates. <i>Polymers</i> , 2019, 11, 80.	4.5	43
344	Measuring the Two-Dimensional Temperature Profile of Carbon Fiber Reinforced Polymers During Drilling Using Distributed Fiber Sensing. <i>Journal of Lightwave Technology</i> , 2019, 37, 4687-4696.	4.6	5
345	Preparation of an aluminium phosphate binder and its influence on the bonding strength of coating. <i>Bulletin of Materials Science</i> , 2019, 42, 1.	1.7	14
346	Effects of fibre treatment on mechanical properties of kenaf fibre reinforced composites: a review. <i>Journal of Materials Research and Technology</i> , 2019, 8, 3327-3337.	5.8	152
347	The Deflection of Rotating Composite Tapered Beams with an Elastically Restrained Root in Hygrothermal Environment. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2019, 74, 849-859.	1.5	3
348	The key role of thread and needle selection towards through-thickness reinforcement™ in tufted carbon fiber-epoxy laminates. <i>Composites Part B: Engineering</i> , 2019, 174, 106970.	12.0	15

#	ARTICLE	IF	CITATIONS
349	Finding Degradation Trigger Sites of Structural Materials for Airplanes Using X-Ray Microscopy. <i>Chemical Record</i> , 2019, 19, 1462-1468.	5.8	3
350	Investigating the Void Content, Fiber Content, and Fiber Orientation of 3D Printed Recycled Carbon Fiber. <i>Key Engineering Materials</i> , 2019, 801, 276-281.	0.4	7
351	Remote inline monitoring of thermal effects coupled with bending stresses of glass fibres composites. <i>Composites Part B: Engineering</i> , 2019, 174, 107042.	12.0	2
352	A Co-Rotational Based Anisotropic Elasto-Plastic Model for Geometrically Non-Linear Analysis of Fibre Reinforced Polymer Composites: Formulation and Finite Element Implementation. <i>Materials</i> , 2019, 12, 1816.	2.9	19
353	The Influence of Non-Uniformities on the Mechanical Behavior of Hemp-Reinforced Composite Materials with a Dammar Matrix. <i>Materials</i> , 2019, 12, 1232.	2.9	9
354	Effect of random vibration-assisted vacuum processing on void development and interfacial properties in composites. <i>Journal of Reinforced Plastics and Composites</i> , 2019, 38, 871-881.	3.1	0
355	Multiscale modeling of carbon fiber- graphene nanoplatelet-epoxy hybrid composites using a reactive force field. <i>Composites Part B: Engineering</i> , 2019, 172, 628-635.	12.0	46
356	Experimental investigation on graphene oxides coated carbon fibre/epoxy hybrid composites: Mechanical and electrical properties. <i>Composites Science and Technology</i> , 2019, 179, 134-144.	7.8	69
357	Experimental Investigations of Impact Damage Influence on Behavior of Thin-Walled Composite Beam Subjected to Pure Bending. <i>Materials</i> , 2019, 12, 1127.	2.9	11
358	Free volumes introduced by fractures of CFRP probed using positron annihilation. <i>Composites Part A: Applied Science and Manufacturing</i> , 2019, 122, 54-58.	7.6	10
359	A review of microwave testing of glass fibre-reinforced polymer composites. <i>Nondestructive Testing and Evaluation</i> , 2019, 34, 429-458.	2.1	47
360	Effects of processing parameters on kerf characteristics and surface integrity following abrasive waterjet slotting of Ti6Al4V/CFRP stacks. <i>Journal of Manufacturing Processes</i> , 2019, 42, 82-95.	5.9	43
361	Chitin nano-whiskers (CNWs) as a bio-based bio-degradable reinforcement for epoxy: evaluation of the impact of CNWs on the morphological, fracture, mechanical, dynamic mechanical, and thermal characteristics of DGEBA epoxy resin. <i>RSC Advances</i> , 2019, 9, 11063-11076.	3.6	14
362	An adapting cohesive approach for crack-healing analysis in SMA fiber-reinforced composites. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2019, 349, 550-575.	6.6	19
363	Dual-energy X-ray computed tomography for void detection in fiber-reinforced composites. <i>Journal of Composite Materials</i> , 2019, 53, 2349-2359.	2.4	10
364	Effect of Thermal Ageing on the Impact Damage Resistance and Tolerance of Carbon-Fibre-Reinforced Epoxy Laminates. <i>Polymers</i> , 2019, 11, 160.	4.5	32
366	Development of a longitudinal-torsional ultrasonic vibration-aided drilling system for drilling carbon fiber-reinforced polymer materials. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2019, 233, 4176-4186.	2.1	11
367	A Fresh Look at Designing Open-cage Nanostructures. <i>Current Nanomaterials</i> , 2019, 3, 190-191.	0.4	0

#	ARTICLE	IF	CITATIONS
368	A Review of Recent Advances in Nanoengineered Polymer Composites. <i>Polymers</i> , 2019, 11, 644.	4.5	48
369	The GAP methodology: A new way to design composite structures. <i>Materials and Design</i> , 2019, 172, 107755.	7.0	23
370	The influences of laminated structure on the ablation characteristics of carbon fiber composites under CW laser irradiation. <i>Optics and Laser Technology</i> , 2019, 116, 224-231.	4.6	10
371	Self-resistive electrical heating for rapid repairing of carbon fiber reinforced composite parts. <i>Journal of Reinforced Plastics and Composites</i> , 2019, 38, 495-505.	3.1	9
372	Establishing a phthalocyanine-based crosslinking interphase enhances the interfacial performances of carbon fiber/epoxy composites at elevated temperatures. <i>Composites Science and Technology</i> , 2019, 173, 24-32.	7.8	37
373	Experimental investigation on novel drilling strategy of CFRP laminates using variable feed rate. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2019, 41, 1.	1.6	28
374	Stringer debonding edge detection employing fiber optics by combined distributed strain profile and wave scattering approaches for non-model based SHM. <i>Composite Structures</i> , 2019, 216, 58-66.	5.8	22
375	Tensile and flexural damage response of symmetric angle-ply carbon fiber-reinforced epoxy laminates: Non-linear response and effects of thickness and ply-stacking sequence. <i>Polymer Composites</i> , 2019, 40, 3678-3690.	4.6	26
376	Microstructured Fibers for the Production of Food. <i>Advanced Materials</i> , 2019, 31, e1807282.	21.0	40
377	Corrosion behavior of the joints of carbon fiber reinforced polymers with DP590 steel and Al6022 alloy. <i>Anti-Corrosion Methods and Materials</i> , 2019, 66, 479-485.	1.5	9
378	Numerical modeling of ultrasonic wave propagation in CFRP radii. <i>Proceedings of Meetings on Acoustics</i> , 2019, , .	0.3	1
379	Experimental research regarding carbon fiber/epoxy material manufactured by autoclave process. <i>MATEC Web of Conferences</i> , 2019, 299, 06005.	0.2	4
380	Fabrication and Finite Element Analysis of Composite Elbows. <i>Materials</i> , 2019, 12, 3778.	2.9	1
381	Functionalization of Carbon Nanomaterials for Biomedical Applications. <i>Journal of Carbon Research</i> , 2019, 5, 72.	2.7	47
382	Diffusion of Multiwall Carbon Nanotubes into Industrial Polymers. , 2019, 23, 213-221.		0
383	Study of Local Mechanical Responses in an Epoxy-Carbon Fiber Laminate Composite Using Spherical Indentation Stress-Strain Protocols. <i>Integrating Materials and Manufacturing Innovation</i> , 2019, 8, 495-508.	2.6	2
384	Nanoscope origin of cracks in carbon fibre-reinforced plastic composites. <i>Scientific Reports</i> , 2019, 9, 19300.	3.3	27
385	Effects of plasma treatment of carbon fibers on interfacial properties of BMI resin composites. <i>Surface and Interface Analysis</i> , 2019, 51, 458-464.	1.8	10

#	ARTICLE	IF	CITATIONS
386	Natural frequencies and dynamic responses of rotating composite non-uniform beams with an elastically root in hygrothermal environment. <i>Composite Structures</i> , 2019, 209, 968-980.	5.8	24
387	Review on the methodologies adopted to minimize the material damages in drilling of carbon fiber reinforced plastic composites. <i>Journal of Reinforced Plastics and Composites</i> , 2019, 38, 351-368.	3.1	21
388	A statistical optimization of a green laser-assisted ablation process towards automatic bonded repairs of CFRP composites. <i>Polymer Composites</i> , 2019, 40, 3084-3100.	4.6	6
389	Co-milling-assisted exfoliated graphite nanoplatelets filler introduction in polyethylene and alumina composites. <i>Journal of Composite Materials</i> , 2019, 53, 1815-1826.	2.4	1
390	Cutting force modelling in machining of fiber-reinforced polymer matrix composites (PMCs): A review. <i>Composites Part A: Applied Science and Manufacturing</i> , 2019, 117, 34-55.	7.6	71
391	3D printing technologies and composite materials for structural applications. , 2019, , 171-196.		25
392	Nanocomposite microstructures dominating anisotropic elastic modulus in carbon fibers. <i>Acta Materialia</i> , 2019, 166, 75-84.	7.9	22
393	Preparation, development, outcomes, and application versatility of carbon fiber-based polymer composites: a review. <i>Advanced Composites and Hybrid Materials</i> , 2019, 2, 214-233.	21.1	189
394	Viscous fluid-structure interaction response of composite hydrofoils. <i>Composite Structures</i> , 2019, 212, 571-585.	5.8	23
395	Determination of interfacial shear strength in continuous fibre composites by multi-fibre fragmentation: A review. <i>Composites Part A: Applied Science and Manufacturing</i> , 2019, 118, 281-292.	7.6	13
396	Structural health monitoring of aerospace composites. , 2019, , 33-52.		9
397	Basalt fiber reinforced polymers with improved thermal and mechanical properties by combination of twin polymerization with epoxide chemistry. <i>Polymer Composites</i> , 2019, 40, 3115-3121.	4.6	7
398	Internal damage evaluation of composite structures using phased array ultrasonic technique: Impact damage assessment in CFRP and 3D printed reinforced composites. <i>Composites Part B: Engineering</i> , 2019, 165, 131-142.	12.0	110
399	Through-thickness thermal conductivity enhancement and tensile response of carbon fiber-reinforced polymer composites. <i>Composites Part B: Engineering</i> , 2019, 165, 183-192.	12.0	25
400	Numerical simulation of water jet-guided laser cutting of carbon fiber-reinforced plastics. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2019, 233, 2023-2032.	2.4	14
401	A statistical approach for the fabrication of adaptive pleated fiber reinforced plastics. <i>Composite Structures</i> , 2019, 207, 537-545.	5.8	13
402	Improving the interlaminar shear strength and thermal conductivity of carbon fiber/epoxy laminates by utilizing the graphene-coated carbon fiber. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47061.	2.6	13
403	The art of designing carbon allotropes. <i>Frontiers of Physics</i> , 2019, 14, 1.	5.0	72

#	ARTICLE	IF	CITATIONS
404	Development of shape memory alloy hybrid yarns for adaptive fiber-reinforced plastics. <i>Textile Research Journal</i> , 2019, 89, 1371-1380.	2.2	15
405	Progressive failure analysis of scarf-repaired composite laminate based on damage constitutive model. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2019, 233, 180-188.	1.1	2
406	Polymer composite for antistatic application in aerospace. <i>Defence Technology</i> , 2020, 16, 107-118.	4.2	159
407	On the peridynamic formulation for an orthotropic Mindlin plate under bending. <i>Mathematics and Mechanics of Solids</i> , 2020, 25, 263-287.	2.4	10
408	Improvement of the mechanical properties of hybrid composites prepared by fibers, fiber-metals, and nano-filler particles – A review. <i>Materials Today: Proceedings</i> , 2020, 27, 72-82.	1.8	42
409	Thermal defect characterization and strain distribution of CFRP laminate with open hole following fiber laser cutting process. <i>Optics and Laser Technology</i> , 2020, 122, 105891.	4.6	23
410	Successes and challenges in non-destructive testing of aircraft composite structures. <i>Chinese Journal of Aeronautics</i> , 2020, 33, 771-791.	5.3	117
411	Rapid removal of resin from a unidirectional carbon fiber reinforced plastic laminate by a high-voltage electrical treatment. <i>Separation and Purification Technology</i> , 2020, 231, 115885.	7.9	23
412	Design of a Prototype for the In Situ Forming of a Liquid-Infused Preform Process. <i>Journal of Mechanical Design, Transactions of the ASME</i> , 2020, 142, .	2.9	1
413	Shadowed delamination area estimation in ultrasonic C-scans of impacted composites validated by X-ray CT. <i>Journal of Composite Materials</i> , 2020, 54, 549-561.	2.4	8
414	Study of the epoxy/amine equivalent ratio on thermal properties, cryogenic mechanical properties, and liquid oxygen compatibility of the bisphenol A epoxy resin containing phosphorus. <i>High Performance Polymers</i> , 2020, 32, 429-443.	1.8	22
415	A theoretical investigation on the thermal response of laminated cylindrical panel. <i>Archive of Applied Mechanics</i> , 2020, 90, 475-493.	2.2	4
416	Shift of the laser ablation center on CFRP induced by the vortex in the boundary layer of tangential airflow. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 106, 2523-2533.	3.0	5
417	Vitrimers: Associative dynamic covalent adaptive networks in thermoset polymers. <i>Chemical Engineering Journal</i> , 2020, 385, 123820.	12.7	244
418	Experimental investigation of abrasive waterjet hole cutting on hybrid carbon/glass composite. <i>Materials Today: Proceedings</i> , 2020, 21, 1551-1558.	1.8	12
419	Porous carbon fibers for effective hydrogen evolution. <i>Applied Surface Science</i> , 2020, 506, 144955.	6.1	14
420	Influence of microstructure of carbon fibre reinforced polymer on the metal in contact. <i>Journal of Materials Research and Technology</i> , 2020, 9, 560-573.	5.8	18
421	Catalyst free self-healable vitrimer/graphene oxide nanocomposites. <i>Composites Part B: Engineering</i> , 2020, 184, 107647.	12.0	87

#	ARTICLE	IF	CITATIONS
422	Thermal transfer, interfacial, and mechanical properties of carbon fiber/polycarbonate-CNT composites using infrared thermography. <i>Polymer Testing</i> , 2020, 81, 106247.	4.8	22
423	Numerical analysis of the delamination in CFRP laminates: VCCT and XFEM assessment. <i>Composites Part C: Open Access</i> , 2020, 2, 100014.	3.2	17
424	Experimental Study on Surface Integrity and Kerf Characteristics During Abrasive Waterjet and Hybrid Machining of CFRP Laminates. <i>International Journal of Precision Engineering and Manufacturing</i> , 2020, 21, 2209-2221.	2.2	8
425	Fabrication and curing properties of o-cresol formaldehyde epoxy resin with reversible cross-links by dynamic boronic ester bonds. <i>Polymer</i> , 2020, 211, 123116.	3.8	50
426	Assessing recycling potential of carbon fiber reinforced plastic waste in production of eco-efficient cement-based materials. <i>Journal of Cleaner Production</i> , 2020, 274, 123001.	9.3	90
427	Selective Phenol Recovery by Catalytic Cracking of Thermal Decomposition Gas from Epoxy-Based Carbon-Fiber-Reinforced Plastic. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 13460-13466.	3.7	12
428	Pressure response and life assessment of filament-wound composite pipes after impact. <i>International Journal of Lightweight Materials and Manufacture</i> , 2020, 3, 365-375.	2.1	4
429	Damage resistance of composite structures with unsymmetrical stacking sequence subjected to high velocity bird impact. <i>Composites Part C: Open Access</i> , 2020, 1, 100002.	3.2	10
430	Fire Safety Assessment of Epoxy Composites Reinforced by Carbon Fibre and Graphene. <i>Applied Composite Materials</i> , 2020, 27, 619-639.	2.5	5
431	The effect of self-resistance electric heating on the interfacial behavior of injection molded carbon fiber/polypropylene composites through molecular dynamics analysis. <i>Polymer</i> , 2020, 207, 122915.	3.8	14
432	Moisture Ingress at the Molecular Scale in Hygrothermal Aging of Fiber-Epoxy Interfaces. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 55278-55289.	8.0	24
433	Following the effect of braid architecture on performance and damage of carbon fibre/epoxy composite tubes during torsional straining. <i>Composites Science and Technology</i> , 2020, 200, 108451.	7.8	17
434	Impact Response of Curved Composite Laminates: Effect of Radius and Thickness. <i>Applied Composite Materials</i> , 2020, 27, 555-573.	2.5	8
435	Beyond the ring flip: A molecular signature of the glass-rubber transition in tetrafunctional epoxy resins. <i>Polymer</i> , 2020, 206, 122893.	3.8	6
436	Time-dependent transverse deflection responses of the layered composite plate with concentric circular cut-out. <i>Materials Today: Proceedings</i> , 2020, 33, 4961-4965.	1.8	3
437	Temperature optimization of mold for autoclave process of large composite manufacturing. <i>Journal of Physics: Conference Series</i> , 2020, 1549, 032086.	0.4	5
438	A numerical study of fiber reinforced polymer laminate plates. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020, 491, 012031.	0.3	0
439	Effect of surface treatment on enhancing interfacial strength of carbon fiber/polyimide composites. <i>Journal of Thermoplastic Composite Materials</i> , 2022, 35, 708-719.	4.2	9

#	ARTICLE	IF	CITATIONS
440	Enhancement of fracture toughness in secondary bonded CFRP using hybrid thermoplastic/thermoset bondline architecture. <i>Composites Science and Technology</i> , 2020, 199, 108346.	7.8	25
441	Flexural static and fatigue response of patch repaired laminated composites for different patchâ€parent configurations. <i>Polymer Composites</i> , 2020, 41, 4559-4571.	4.6	11
442	Performance of Mechanical Joints Prepared from Carbon-Fiber-Reinforced Polymer Nanocomposites under Accelerated Environmental Aging. <i>Journal of Materials Engineering and Performance</i> , 2020, 29, 7511-7525.	2.5	8
443	Polymer-Based Composites: An Indispensable Material for Present and Future Applications. <i>International Journal of Polymer Science</i> , 2020, 2020, 1-12.	2.7	101
444	Temperature Effects on Failure of Rotating Beam of Hybrid Composite. <i>Journal of Failure Analysis and Prevention</i> , 2020, 20, 1583-1596.	0.9	2
445	Process-structure-property of additively manufactured continuous carbon fiber reinforced thermoplastic: an investigation of mode I interlaminar fracture toughness. <i>Mechanics of Advanced Materials and Structures</i> , 2022, 29, 1418-1430.	2.6	35
446	A feasible strategy to produce quality holes using temperature-assisted drilling on CFRP. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 110, 3113-3127.	3.0	13
447	Modeling the Structures of Oriented Macrofiber Polymer Composites as Capillary-Porous Bodies. <i>Advances in Materials Science and Engineering</i> , 2020, 2020, 1-13.	1.8	1
448	Enhancement of mechanical and thermal properties of carbon fiber epoxy composite laminates reinforced with carbon nanotubes interlayer using electrospray deposition. <i>Composites Part C: Open Access</i> , 2020, 3, 100075.	3.2	18
449	Micromechanical damage behavior of fiber-reinforced composites under transverse loading including fiber-matrix debonding and matrix cracks. <i>International Journal of Fracture</i> , 2020, 226, 145-160.	2.2	9
450	Effects of carbide substrate properties and diamond coating morphology on drilling performance of CFRP composite. <i>Journal of Manufacturing Processes</i> , 2020, 58, 1274-1284.	5.9	14
451	Investigating surface finish, burr formation, and tool wear during machining of 3D printed carbon fiber reinforced polymer composite. <i>Journal of Manufacturing Processes</i> , 2020, 56, 1304-1316.	5.9	41
452	Effect of welding sequence on stress and deformation field of Invar alloy multi-layer and multi-pass welding: A simulation study. <i>Modern Physics Letters B</i> , 2020, 34, 2050129.	1.9	6
453	The impact of mesoscale textile architecture on the structural damping in composite structures. <i>Composite Structures</i> , 2020, 249, 112475.	5.8	3
454	Comparison of Properties of Carbon Fiber Reinforced Thermoplastic and Thermosetting Composites for Aerospace Applications. <i>Materials Today: Proceedings</i> , 2020, 24, 453-462.	1.8	41
455	Polyaryl ether ketone based composites for space applications: Influence of electron beam radiation on mechanical and thermal properties. <i>Materials Today: Proceedings</i> , 2020, 24, 490-499.	1.8	2
456	An engineer's introduction to mechanophores. <i>Soft Matter</i> , 2020, 16, 6230-6252.	2.7	47
457	A Novel Thermographic Methodology to Predict Damage Evolution of Impacted CFRP Laminates Under Compression-Compression Fatigue Based on Inverted Weibull Model. <i>IEEE Sensors Journal</i> , 2021, 21, 11393-11400.	4.7	2

#	ARTICLE	IF	CITATIONS
458	Advanced Epoxy-Carbon Fabric-Graphene Nanocomposite for Electro-Chemical Sensing. IEEE Sensors Journal, 2020, 20, 13066-13073.	4.7	1
459	Quantitative Evaluation of Porosity in Unidirectional CFRPs Using Laser Ultrasonic Method. Russian Journal of Nondestructive Testing, 2020, 56, 201-208.	0.9	4
460	SUSTAINABILITY ASSESSMENT OF COMPOSITES IN AERO-ENGINE COMPONENTS. Proceedings of the Design Society DESIGN Conference, 2020, 1, 1989-1998.	0.8	4
461	A review of failure modes and fracture analysis of aircraft composite materials. Engineering Failure Analysis, 2020, 115, 104692.	4.0	103
462	High-rate mode II fracture toughness testing of polymer matrix composites – A review. Composites Part A: Applied Science and Manufacturing, 2020, 137, 106019.	7.6	19
463	Effect of reinforcing micro sized aluminium oxide particles on mechanical properties of polymer based composite. Materials Today: Proceedings, 2020, 26, 1306-1309.	1.8	11
464	Revolutionizing Aircraft Materials and Processes. , 2020, , .		35
465	Defect Characteristics and Online Detection Techniques During Manufacturing of FRPs Using Automated Fiber Placement: A Review. Polymers, 2020, 12, 1337.	4.5	41
466	Characteristics and influences of plume during CW laser-CFRP interaction under tangential gas flow. Laser Physics, 2020, 30, 076003.	1.2	4
467	Manufacturing carbon fibres from pitch and polyethylene blend precursors: a review. Journal of Materials Research and Technology, 2020, 9, 7786-7806.	5.8	57
468	Removal mechanism of epoxy resin from CFRP composites triggered by water electrolysis gas generation. Separation and Purification Technology, 2020, 251, 117296.	7.9	11
469	Comparison between 3-point bending and torsion methods for determining the viscoelastic properties of fiber-reinforced epoxy. Polymer Testing, 2020, 85, 106428.	4.8	9
470	Infiltration in Composite Materials Polymer Matrix Using a Self-Interference Long Period Fiber Sensor. Macromolecular Symposia, 2020, 389, 1900071.	0.7	0
471	Critical bending load of CFRP panel with shallow surface scratch determined by a tensile strength model. Composites Science and Technology, 2020, 191, 108072.	7.8	23
472	High resolution X-ray computed tomography: A versatile non-destructive tool to characterize CFRP-based aircraft composite elements. Composites Science and Technology, 2020, 192, 108093.	7.8	35
473	Fabrication and mechanical properties of carbon fiber/epoxy nanocomposites containing high loadings of noncovalently functionalized graphene nanoplatelets. Composites Science and Technology, 2020, 192, 108101.	7.8	73
474	Aerospace engineering requirements in building with composites. , 2020, , 3-22.		19
475	Additive manufacturing of multidirectional preforms and composites: from three-dimensional to four-dimensional. Materials Today Advances, 2020, 5, 100045.	5.2	22

#	ARTICLE	IF	CITATIONS
476	Feasibility Study on the Redesign of a Metallic Car Hood by Using Composite Materials. <i>International Journal of Automotive Technology</i> , 2020, 21, 471-479.	1.4	15
477	Structural model for rigid-plastic yielding behavior of angle-ply reinforced composites of materials with different properties in tension and compression considering 2D stress state in all components. <i>Mechanics of Advanced Materials and Structures</i> , 2021, 28, 2151-2162.	2.6	9
478	A critical review on erosion wear characteristics of polymer matrix composites. <i>Materials Research Express</i> , 2020, 7, 022002.	1.6	40
479	Review on study of thermosetting and thermoplastic materials in the automated fiber placement process. <i>Materials Today: Proceedings</i> , 2020, 27, 812-815.	1.8	30
480	Mechanism study of atmospheric-pressure plasma treatment of carbon fiber reinforced polymers for adhesion improvement. <i>Surface and Coatings Technology</i> , 2020, 393, 125841.	4.8	25
481	Laser Optoacoustic Method for Quantitative Porosity Assessment of Carbon Fiber Reinforced Plastic Composites Based on Acoustic Impedance Measurement. <i>Acoustical Physics</i> , 2020, 66, 81-88.	1.0	5
482	Effect of transverse reinforcement on cracking of CFRP composite laminates under static and fatigue loads. <i>Journal of Composite Materials</i> , 2020, 54, 3755-3766.	2.4	2
483	Bayesian estimation of single ply anisotropic elastic constants from spherical indentations on multi-laminate polymer-matrix fiber-reinforced composite samples. <i>Meccanica</i> , 2021, 56, 1575-1586.	2.0	11
484	Influences of milling strategies and process parameters on the cavity defect generated during milling of carbon fiber reinforced polymer. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2021, 235, 723-733.	2.1	5
485	Numerical model of unidirectional CFRP in machining: Development of an amended friction model. <i>Composite Structures</i> , 2021, 256, 113075.	5.8	17
486	Effects of cutting temperature and process optimization in drilling of GFRP composites. <i>Journal of Composite Materials</i> , 2021, 55, 235-249.	2.4	28
487	Influence of LDH conversion coatings on the adhesion and corrosion protection of friction spot-joined AA2024-T3/CF-PPS. <i>Journal of Materials Science and Technology</i> , 2021, 67, 197-210.	10.7	17
488	Investigation and multi-scale optimization design of woven composite cut-out structures. <i>Engineering Computations</i> , 2021, 38, 1134-1156.	1.4	3
489	Influence of laser power on molten pool flow field of laser-MIG hybrid welded Invar alloy. <i>Optics and Laser Technology</i> , 2021, 133, 106539.	4.6	19
490	On the homogenization of a laminate beam under transverse loading: extension of Pagano's theory. <i>Acta Mechanica</i> , 2021, 232, 153-176.	2.1	3
491	Damage to aircraft composite structures caused by directed energy system: A literature review. <i>Defence Technology</i> , 2021, 17, 1269-1288.	4.2	15
492	Review of microwave techniques used in the manufacture and fault detection of aircraft composites. <i>Aeronautical Journal</i> , 2021, 125, 151-179.	1.6	25
493	Applications of sustainable polymer composites in automobile and aerospace industry. , 2021, , 185-207.		52

#	ARTICLE	IF	CITATIONS
494	Fast Fourier Transform (FFT) analysis on different inter-ply configurations of glass/basalt/aramid/carbon hybridized composites for aircraft structures. <i>Materials Today: Proceedings</i> , 2021, 37, 2375-2381.	1.8	3
495	Failure analysis of GFRP columns subjected to axial compression manufactured under various curing-process conditions. <i>Composite Structures</i> , 2021, 262, 113342.	5.8	3
496	Experimental and numerical investigation of ply size effects of steel foil reinforced composites. <i>Materials and Design</i> , 2021, 198, 109302.	7.0	3
497	Effects of adding carbon nanofibers on the reduction of matrix cracking in laminated composites: Experimental and analytical approaches. <i>Polymer Testing</i> , 2021, 94, 106988.	4.8	7
498	Improvement of drilling performance by overcoating diamond-like carbon films on diamond-coated drills for carbon fiber reinforced plastics processing. <i>Vacuum</i> , 2021, 183, 109755.	3.5	17
499	Influence of argon plasma treatment on carbon fibre reinforced high performance thermoplastic composite. <i>High Performance Polymers</i> , 2021, 33, 285-294.	1.8	13
500	Dynamic compression and tensile responses of an epoxy matrix composites at high strain rate. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2021, 235, 2360-2372.	2.1	3
501	Flexural damage response of symmetric cross-ply carbon fiber reinforced laminates: Effects of thickness and ply-scaling technique. <i>Mechanics of Advanced Materials and Structures</i> , 2021, 28, 212-219.	2.6	14
502	Optimal Design of Composite Material Maintenance Structure for Aircraft Based on ANSYS Workbench. <i>Key Engineering Materials</i> , 0, 871, 216-221.	0.4	1
503	Intrinsic Self-Healing Epoxies in Polymer Matrix Composites (PMCs) for Aerospace Applications. <i>Polymers</i> , 2021, 13, 201.	4.5	61
504	Characterisation of Mixed-Mode I-II-III Delamination in Composite Laminates. <i>Engineering Materials</i> , 2021, , 47-70.	0.6	0
505	Using Broadband Acoustic Spectroscopy with a Laser Source of Ultrasound to Study the Frequency Dependences of the Phase Velocity of Longitudinal Acoustic Waves in Porous Carbon Fiber Reinforced Plastic Composites. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2021, 85, 93-97.	0.6	3
506	Study on Impact Resistance of Composite Reinforced Thin-Walled Tubes. <i>Journal of Physics: Conference Series</i> , 2021, 1721, 012042.	0.4	0
507	Automated Segmentation of <i>In Situ</i> X-ray Microtomography of Progressive Damage in Advanced Composites via Deep Learning. , 2021, , .		1
508	Comparison of the geometric accuracy of holes made in CFRP/Ti laminate by drilling and helical milling. <i>International Journal of Advanced Manufacturing Technology</i> , 2021, 112, 3343-3350.	3.0	16
509	Thermal and Morphological Analyses of Polymer Matrix Composites. , 2021, , 1038-1068.		3
510	Jute/S-Glass reinforced epoxy hybrid composite – A study from flexural and morphological perspective. <i>Materials Today: Proceedings</i> , 2021, 47, 2537-2540.	1.8	1
511	Prediction of principal stresses and strains in laminated composites using MATLAB. <i>Materials Today: Proceedings</i> , 2021, 44, 4643-4650.	1.8	1

#	ARTICLE	IF	CITATIONS
512	Mechanical Joining of Stacks. , 2021, , 403-419.		0
513	Study on cutting force performance and cutting mechanism of Carbon Fiber Reinforced Polymer (CFRP) composites. Journal of Advanced Mechanical Design, Systems and Manufacturing, 2021, 15, JAMDSM0037-JAMDSM0037.	0.7	3
514	Influence of Loading Direction on Impact Strength and Small Span Length Variation on Flexural Strength in GFRP Laminate. Journal of Testing and Evaluation, 2021, 49, 3460-3481.	0.7	2
515	Ozone and water immersion effects on compression strength and fracture behavior of carbon/epoxy laminates. Engineering Failure Analysis, 2021, 120, 105051.	4.0	5
516	Enhanced mechanical properties of carbon fibre/epoxy composites via in situ coating&acaroncarbonisation of micron-sized sucrose particles on the fibre surface. Materials and Design, 2021, 200, 109458.	7.0	25
517	Advanced robotics and additive manufacturing of composites: towards a new era in Industry 4.0. Materials and Manufacturing Processes, 2022, 37, 483-517.	4.7	93
518	Physical, mechanical, and durability characteristics of newly developed thermoplastic GFRP bars for reinforcing concrete structures. Construction and Building Materials, 2021, 276, 122200.	7.2	23
519	Adsorption of phenylalanine-rich sequence-defined oligomers onto Kevlar fibers for fiber-reinforced polyolefin composite materials. Polymer, 2021, 217, 123465.	3.8	9
521	A machine learning model for predicting the ballistic impact resistance of unidirectional fiber-reinforced composite plate. Scientific Reports, 2021, 11, 6503.	3.3	5
522	Impact modification of fiber reinforced polypropylene composites with flexible poly(ethylene) Tj ETQq1 1 0.784314,rgBT /Overlock 10	3.1	8
523	Enhanced fracture resistance of thermoset/thermoplastic interfaces through crack trapping in a morphology gradient. Polymer, 2021, 218, 123497.	3.8	12
524	Manufacturing and Characterization of Hybrid Composites with Basalt and Flax Fabrics and a Partially Bio-based Epoxy Resin. Fibers and Polymers, 2021, 22, 751-763.	2.1	4
525	Structural Behavior Evaluation of Reinforced Concrete Using the Fiber-Reinforced Polymer Strengthening Method. Polymers, 2021, 13, 780.	4.5	9
526	Study on Flame Retardancy and Interface Performance of Carbon Fiber Reinforced Epoxy Composites Based on a Modified N-P-Si-containing Sizing Agent. Fibers and Polymers, 2021, 22, 1664.	2.1	0
527	Galvanic activity of carbon fiber reinforced polymers and electrochemical behavior of carbon fiber. Corrosion Communications, 2021, 1, 26-39.	6.0	8
528	Genetic Optimization for the Design of a Machine Tool Slide Table for Reduced Energy Consumption. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2021, 143, .	2.2	11
529	Natural Fibres as a Sustainable Reinforcement Constituent in Aligned Discontinuous Polymer Composites Produced by the HiPerDiF Method. Materials, 2021, 14, 1885.	2.9	12
530	Low-velocity impact damage research on 2-dimentional UHMWPE/CF hybrid woven laminates under preloading. Thin-Walled Structures, 2021, 161, 107472.	5.3	11

#	ARTICLE	IF	CITATIONS
531	Tribological Behavior of Steel Reinforced Glass/Epoxy Hybrid Composites. <i>Advanced Materials Research</i> , 0, 1163, 27-39.	0.3	3
532	Micro-mechanics modeling of compressive strength and elastic modulus enhancements in unidirectional CFRP with aramid pulp micro/nano-fiber interlays. <i>Composites Science and Technology</i> , 2021, 206, 108664.	7.8	24
533	Mechanical model for predicting thrust force with tool wear effects in drilling of unidirectional CFRP. <i>Composite Structures</i> , 2021, 262, 113601.	5.8	21
534	The combustion behavior of epoxy-based multifunctional electrolytes. <i>Fire and Materials</i> , 2022, 46, 192-204.	2.0	4
535	Aging of bolted joints prepared from electron-beam-cured multiwalled carbon nanotube-based nanocomposites with variable torques. <i>Polymer Composites</i> , 2021, 42, 4082-4104.	4.6	5
536	Transition time threshold for Double Cantilever Beam specimens under high loading rates. <i>Engineering Fracture Mechanics</i> , 2021, 249, 107754.	4.3	2
537	Thermal Effects in Sn Coating on a Carbon Fiber Reinforced Plastic by Cold Spraying. <i>Journal of Thermal Spray Technology</i> , 2021, 30, 1254-1261.	3.1	11
538	The impact of water released from boehmite nanoparticles during curing in epoxy-based nanocomposites. <i>Journal of Applied Polymer Science</i> , 2021, 138, 51006.	2.6	3
539	Aircraft composite structures integrated approach: a review. <i>Journal of Physics: Conference Series</i> , 2021, 1925, 012005.	0.4	5
540	The effect of resin-rich layers on mechanical properties of 3D printed woven fiber-reinforced composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2021, 144, 106339.	7.6	19
542	Image processing based detection of the fibre orientation during depth-controlled laser ablation of CFRP monitored by optical coherence tomography. <i>Materials and Design</i> , 2021, 203, 109567.	7.0	8
543	Improving interfacial strength of epoxy composites by constructing a palm-tree-like structure on carbon fiber. <i>Polymer Composites</i> , 2021, 42, 4617-4629.	4.6	7
544	Dynamic Mechanical Properties of Several High-Performance Single Fibers. <i>Materials</i> , 2021, 14, 3574.	2.9	5
545	Excellent interfacial structural integrity of pre-oxidized carbon fiber-reinforced carbon-carbon composites. <i>Composite Interfaces</i> , 2022, 29, 383-396.	2.3	8
546	Investigation of impact properties of para-aramid composites made with a thermoplastic-thermoset blend. <i>Journal of Thermoplastic Composite Materials</i> , 0, , 089270572110214.	4.2	9
547	Effect of Thermal Ageing on the Mechanical Strength of Carbon Fibre Reinforced Epoxy Composites. <i>Polymers</i> , 2021, 13, 2006.	4.5	24
548	X-ray computed tomography evaluations of additive manufactured multimaterial composites. <i>Journal of Microscopy</i> , 2022, 285, 131-143.	1.8	3
549	Experimental study of the anisotropic thermal conductivity of 2D carbon-fiber/epoxy woven composites. <i>Composite Structures</i> , 2021, 267, 113870.	5.8	31

#	ARTICLE	IF	CITATIONS
550	Simulation machining of fiber-reinforced composites: A review. <i>International Journal of Advanced Manufacturing Technology</i> , 2021, 117, 1-15.	3.0	6
551	Application of genetic algorithm to optimize the impact resistance of composite laminates. <i>Journal of Physics: Conference Series</i> , 2021, 1965, 012057.	0.4	0
552	Charpy impact properties and numerical modeling of polycarbonate composites. <i>Material Design and Processing Communications</i> , 2021, 3, e260.	0.9	7
553	In situ synchrotron computed tomography study of nanoscale interlaminar reinforcement and thin-ply effects on damage progression in composite laminates. <i>Composites Part B: Engineering</i> , 2021, 217, 108623.	12.0	17
554	Virtual reality simulation of human-robot coexistence for an aircraft final assembly line: process evaluation and ergonomics assessment. <i>International Journal of Computer Integrated Manufacturing</i> , 2021, 34, 975-995.	4.6	19
555	High-force dynamic mechanical analysis of composite sandwich panels for aerospace structures. <i>Composites Part C: Open Access</i> , 2021, 5, 100136.	3.2	5
556	Study on ultrasonic vibration-assisted adhesive bonding of CFRP laminates with laser ablation-treated surfaces. <i>Composite Structures</i> , 2021, 268, 113983.	5.8	22
557	Load-bearing capacity of rigid-plastic reinforced shallow shells and plates. <i>Mechanics of Advanced Materials and Structures</i> , 2022, 29, 5651-5665.	2.6	4
558	Effect of vapor/plasma-liquid flow behavior on the keyhole oscillation in laser-MIG hybrid welding of Invar alloy. <i>Optics and Laser Technology</i> , 2021, 140, 107054.	4.6	8
559	Research on drilling CFRP laminate with a thin woven glass fiber surface layer using plane rake-“faced twist drill. <i>International Journal of Advanced Manufacturing Technology</i> , 2021, 117, 1781-1796.	3.0	2
560	Influence of graphene oxide content on the morphology and properties of carbon fiber/epoxy composites. <i>Polymer Composites</i> , 2021, 42, 5574-5585.	4.6	10
561	Bimodal Microwave Method for Thickness Estimation of Surface Coatings on Polymer Composites. <i>Advanced Engineering Materials</i> , 2022, 24, 2100494.	3.5	6
562	Cutting performance evaluation of boron-doped and undoped diamond coatings in drilling of CFRP laminates. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2022, 236, 614-624.	2.4	2
563	Flexural Behaviour of Unreinforced and Z-Fibre Reinforced 3D Carbon/Epoxy Composites. <i>Applied Composite Materials</i> , 0, , 1.	2.5	1
564	A nanostructured cellulose-based interphase layer to enhance the mechanical performance of glass fibre-reinforced polymer composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2021, 148, 106475.	7.6	24
565	Analysis of Thermal Response in Reinforced Plates under a Dynamic Explosion-Type Loading. <i>Mechanics of Composite Materials</i> , 2021, 57, 439-448.	1.4	1
566	Nonlinear dynamics of fluid-conveying composite pipes subjected to time-varying axial tension in sub- and super-critical regimes. <i>Applied Mathematical Modelling</i> , 2022, 101, 632-653.	4.2	34
567	Engineering the electrospinning of MWCNTs/epoxy nanofiber scaffolds to enhance physical and mechanical properties of CFRPs. <i>Composites Science and Technology</i> , 2021, 213, 108941.	7.8	22

#	ARTICLE	IF	CITATIONS
568	Machine learning and materials informatics approaches for evaluating the interfacial properties of fiber-reinforced composites. <i>Composite Structures</i> , 2021, 273, 114328.	5.8	21
569	Improving the tensile and flexural properties of reinforced epoxy composites by using cobalt filled and carbon/glass fiber. <i>Forces in Mechanics</i> , 2021, 4, 100029.	2.8	16
570	Temperature self-regulating electrothermal pseudo-slippery surface for anti-icing. <i>Chemical Engineering Journal</i> , 2021, 422, 130110.	12.7	28
571	Laser selective ablated multistep interfacing for enhanced adhesive bonding joints of carbon fiber reinforced polymer materials. <i>Journal of Laser Applications</i> , 2021, 33, .	1.7	1
572	A semi-analytical model for predicting tool wear progression in drilling CFRP. <i>Wear</i> , 2021, 486-487, 204119.	3.1	10
573	Recycling of Synthetic Fibre Reinforced Plastics. <i>Composites Science and Technology</i> , 2021, , 143-168.	0.6	1
574	Metal fiber reinforced composites. , 2021, , 479-513.		6
575	Machining of polymeric composite materials by water jet with abrasive. , 2021, , 397-415.		0
576	Infrared Thermography for On-Line Examination of the CFRP Impact Damage. <i>Strength of Materials</i> , 2021, 53, 88-96.	0.5	2
577	Applications of carbon fiber/carbon fiber-reinforced plastic/recycled carbon fiber-reinforced polymers. , 2021, , 139-155.		3
580	Composite materials and their damage detection using AI techniques for aerospace application: A brief review. <i>Materials Today: Proceedings</i> , 2021, 44, 955-960.	1.8	24
581	Aluminium-Carbon Fibre Metal Matrix Composites: A Review. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1033, 012057.	0.6	17
582	Nanomaterials-Enabled Lightweight Military Platforms. , 2019, , 205-254.		2
583	Thermosetting Composite Materials in Aerostructures. , 2020, , 57-86.		6
584	Tribological Behaviour of Carbon Fibre Polymer Composites Reinforced with Nano-fillers. <i>Lecture Notes in Mechanical Engineering</i> , 2020, , 791-800.	0.4	5
585	Recycling of carbon fiber with epoxy composites by chemical recycling for future perspective: a review. <i>Chemical Papers</i> , 2020, 74, 3785-3807.	2.2	45
586	“Shape-Coding” Morphology-Based Information System for Polymers and Composites. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 27555-27561.	8.0	12
587	Flutter Characteristics of Laminated Composite Plates Subjected to Yawed Supersonic Flow Using Inverse Hyperbolic Shear Deformation Theory. <i>Journal of Aerospace Engineering</i> , 2016, 29, .	1.4	8

#	ARTICLE	IF	CITATIONS
588	Graphite films/carbon fiber fabric/ polyurethane composites with ultrahigh in-plane thermal conductivity and enhanced mechanical properties. <i>Nanotechnology</i> , 2020, 31, 475710.	2.6	9
589	Model-Based Study of a Metamaterial Lens for Nondestructive Evaluation of Composites. <i>Journal of Nondestructive Evaluation, Diagnostics and Prognostics of Engineering Systems</i> , 2020, 3, .	0.9	6
590	Investigation of manufacturing effects by strength assessment, NDI and guided waves based SHM in composite plates reinforced with bonded stringers. , 2019, , .		1
591	Determination of the elastic properties in CFRP composites: comparison of different approaches based on tensile tests and ultrasonic characterization. <i>Advances in Aircraft and Spacecraft Science</i> , 2015, 2, 249-261.	0.5	15
592	Effect of the Position of Defined Local Defect on the Mechanical Performance of Carbon-Fiber-Reinforced Plastics. <i>Autex Research Journal</i> , 2019, 19, 74-79.	1.1	7
593	The Damage Investigation of Wedge-Shaped Electromagnetic Riveting Structure of CFRP/Aluminium Alloy. <i>Journal of Testing and Evaluation</i> , 2013, 41, 188-193.	0.7	7
594	Galvanic Corrosion Behavior of Aluminum Alloy (2219 and ZL205A) Coupled to Carbon Fiber-Reinforced Epoxy Composites. <i>International Journal of Electrochemical Science</i> , 2016, 11, 9625-9633.	1.3	8
595	Coupling infrared thermography and acoustic emission for damage study in CFRP composites. , 2014, , .		2
596	Post-processing of time-sequences acquired during impact tests with the aid of a reference area. , 0, , .		4
597	Aerodynamic Optimization of Unmanned Aerial Vehicle through Propeller Improvements. <i>Journal of Applied Fluid Mechanics</i> , 2020, 13, 793-803.	0.2	12
598	Development of Aerospace Composite Structures Through Vacuum-Enhanced Resin Transfer Moulding Technology (VERTMTy). <i>Advances in Chemical and Materials Engineering Book Series</i> , 2018, , 99-111.	0.3	1
599	Evaluation of the Elastomeric Composite Self-repair Process for the Construction of Protective Gloves. <i>Fibres and Textiles in Eastern Europe</i> , 2018, 26, 104-110.	0.5	2
600	Method and mechanism of dispersing agent free dispersion of short carbon fibers in silicon carbide powder. <i>Carbon Letters</i> , 2014, 15, 180-186.	5.9	1
601	Modeling of non-isothermic viscoelastic-plastic behavior of flexible reinforced plates. <i>Computational Continuum Mechanics</i> , 2020, 13, 350-370.	0.5	1
602	Mechanical Cutting Process Trends for Difficult-to-Cut Materials : A Review. <i>Journal of the Korean Society for Precision Engineering</i> , 2018, 35, 253-267.	0.2	7
603	Optimization of dry-sliding wear parameters on carbon fiber reinforced polyester composites using taguchi based greyrelation analysis. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1185, 012003.	0.6	1
604	Application of Broadband Laser-Ultrasonic Spectroscopy for Nondestructive Testing of the Porosity in Carbon Fiber Reinforced Plastics with Various Volume Contents of Carbon Fibers. <i>Inorganic Materials: Applied Research</i> , 2021, 12, 1428-1433.	0.5	2
605	Compressive fatigue behavior of external patch repaired carbon/epoxy composites. <i>Polymer Composites</i> , 2021, 42, 6827-6838.	4.6	5

#	ARTICLE	IF	CITATIONS
606	A study on the correlation between microstructure change and the mechanical strength of a single CF modified by electron beam. Carbon Letters, 2022, 32, 567-579.	5.9	9
607	Reinforcing bar development length modeling using integrative support vector regression model with response surface method: New approach. ISA Transactions, 2022, 128, 423-434.	5.7	5
608	Analysis on ultrasonic waves generated in anisotropic carbon fiber reinforced plastic laminate by laser incidence from various directions. Results in Physics, 2021, 31, 104927.	4.1	3
609	Machine learning prediction of mechanical properties of braided-textile reinforced tubular structures. Materials and Design, 2021, 212, 110181.	7.0	22
610	Analytical Study for the Prediction of Mechanical Properties of a Fiber Metal Laminate Considering Residual Stress. Transactions of Materials Processing, 2014, 23, 289-296.	0.1	1
611	Blast and Ballistic Testing Techniques. , 2015, , 328-343.		0
612	The Molding Technologies for Carbon Fiber Reinforced Plastics in Motor Car Industry. Seikei-Kakou, 2015, 27, 442-444.	0.0	1
613	Recent Trends in Composite Materials for Aircrafts. Applied Chemistry for Engineering, 2016, 27, 252-258.	0.2	3
614	REPAIR TECHNOLOGY OF THE COMPOSITE WING OF A LIGHT PLANE DAMAGED DURING AN AIRCRAFT CRASH. Scientific Journal of Silesian University of Technology Series Transport, 2016, 92, 149-157.	0.4	0
615	Aero-Structural Optimization of Aircraft Wing by Finite Element Method. International Journal of Mechanical and Production Engineering Research and Development, 2017, 7, 409-416.	0.1	0
616	Elyaf takviyeli polimer kompozitlerin metaller ile istiflenerek delinmesinde delaminasyonun deÄerlendirilmesi: Bir araÅtırma. Journal of the Faculty of Engineering and Architecture of Gazi University, 2018, 2018, .	0.8	3
617	Effect of ply scheme on ablation characteristics of carbon fiber composites under CW laser irradiation. , 2019, , .		1
618	Synthesis of Carbon Nano Fiber from Organic Waste and Activation of its Surface Area. , 2019, 2, 056-059.		4
619	Exploring the Potential to Uniquely Manufacture Curved VARTM Epoxy Composites Using Cost-Effective FDM Molds. Open Journal of Composite Materials, 2020, 10, 45-65.	0.8	3
621	Development of Surface Roughness Generation Model for CFRTP Manufactured by LFT-D. International Journal of Automation Technology, 2020, 14, 208-216.	1.0	1
622	Progress in interlaminar toughening of aerospace polymer composites using particles and non-woven veils. Aeronautical Journal, 2022, 126, 222-248.	1.6	13
623	Manufacturing Technologies of Carbon/Glass Fiber-Reinforced Polymer Composites and Their Properties: A Review. Polymers, 2021, 13, 3721.	4.5	92
624	Development of Low-Shrink Epoxy Putty to Solve Appearance-Quality Defects of Carbon-Fiber-Reinforced Plastic Automotive Exterior Parts. Materials, 2021, 14, 6419.	2.9	1

#	ARTICLE	IF	CITATIONS
625	Damage Detection in Composite Plates with Ultrasonic Guided-waves and Nonlinear System Identification. , 2020, , .		2
626	Design and Fabrication of CFRP Wheel Centre for FSAE Race-Car. , 0, , .		1
627	A refined model of viscoelastic-plastic deformation of flexible plates with spatial reinforcement structures. Computational Continuum Mechanics, 2020, 13, 5-22.	0.5	0
630	Stress-Responsive Reinforced Polymer Composites via Functionalization of Glass Fibers. Industrial & Engineering Chemistry Research, 2021, 60, 15558-15565.	3.7	4
631	Thickness threshold study of polyaniline-based lightning strike protection coating for carbon/glass fiber reinforced polymer composites. Composite Structures, 2022, 280, 114954.	5.8	2
632	Development studies of silver nanocomposite based sensors for acid penetration. Materials Today: Proceedings, 2021, , .	1.8	0
633	Effect of notch on static and fatigue properties of T800 fabric reinforced composites. Science and Engineering of Composite Materials, 2020, 27, 335-345.	1.4	2
634	IMPLEMENTATION OF OPTIMUM ADDITIVE TECHNOLOGIES DESIGN FOR UNMANNED AERIAL VEHICLE TAKE-OFF WEIGHT INCREASE. EUREKA, Physics and Engineering, 2020, , 50-60.	0.8	1
635	Balsa Ğtekirdekli SandviĖ Kompozitlerin Darbe DavranĖĖylarĖnĖn Deneysel Olarak Ėncelenmesi. El-Cezeri Journal of Science and Engineering, 0, , .	0.1	1
636	Penetration impact behaviour of innovative 3d printing onyx/glass composite samples. , 2021, , .		2
637	Testing of Conductive Carbon Fiber Reinforced Polymer Composites Using Current Impulses Simulating Lightning Effects. Energies, 2021, 14, 7899.	3.1	5
638	Strain monitoring using carbon nanotube Buckypaper sensor on composite repaired structure. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	2.3	7
639	Mechanically Improved and Multifunctional CFRP Enabled by Resins with High Concentrations Epoxy-Functionalized Fluorographene Fillers. , 0, , .		0
640	Fracture properties of quasi-isotropic carbon-fiber-reinforced polyamide 6 laminates with different crystal structure of polyamide 6 due to surface profiles of carbon fibers. Composites Part A: Applied Science and Manufacturing, 2022, 154, 106752.	7.6	14
641	A simple and effective resin pre-coating treatment on grinded, acid pickled and anodised substrates for stronger adhesive bonding between Ti-6Al-4V titanium alloy and CFRP. Surface and Coatings Technology, 2022, 432, 128072.	4.8	29
642	A mussel-inspired strategy for CNT/carbon fiber reinforced epoxy composite by hierarchical surface modification. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 635, 128085.	4.7	37
643	Impact behaviour and non destructive evaluation of 3D printed reinforced composites. Composite Structures, 2022, 281, 115112.	5.8	12
644	Investigation on mechanical properties and water absorbency of jute glass reinforced epoxy composite. Journal of Textile Engineering & Fashion Technology, 2020, 6, .	0.3	1

#	ARTICLE	IF	CITATIONS
645	A data-driven method for predicting structural degradation using a piezoceramic array. <i>International Journal of Prognostics and Health Management</i> , 2013, 4, .	0.8	1
646	Modeling of Viscoelastic-Viscoplastic Behavior of Flexible Reinforced Plates. <i>Mechanics of Solids</i> , 2021, 56, 631-645.	0.7	1
647	Experimental study on gas-assisted laser cutting carbon fiber reinforced plastics. <i>International Journal of Advanced Manufacturing Technology</i> , 2022, 119, 6361-6370.	3.0	9
648	Coupled thermo-mechanical modeling of drilling of multi-directional polymer matrix composite laminates. <i>Composites Part A: Applied Science and Manufacturing</i> , 2022, 156, 106802.	7.6	15
649	Flow-induced buckling and post-buckling vibration characteristics of composite pipes in thermal environment. <i>Ocean Engineering</i> , 2022, 243, 110267.	4.3	21
650	Accurate Thickness Measurement of Multiple Coating Layers on Carbon Fiber Composites Using Microwave Cavity Perturbation. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2022, 71, 1-10.	4.7	3
651	On the Machining Temperature and Hole Quality of CFRP Laminates When Using Diamond-Coated Special Drills. <i>Journal of Composites Science</i> , 2022, 6, 45.	3.0	15
652	Carbon material/MnO ₂ as conductive skeleton for supercapacitor electrode material: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 158, 112131.	16.4	98
653	Comparison of impact resistance of carbon fibre composites with multiple ultra-thin CNT, aramid pulp, PBO and graphene interlayers. <i>Composites Part A: Applied Science and Manufacturing</i> , 2022, 155, 106815.	7.6	29
654	An insight into the mechanical behavior of adhesively bonded plain-woven-composite joints using multiscale modeling. <i>International Journal of Mechanical Sciences</i> , 2022, 219, 107063.	6.7	17
656	Measurement of Elastic Constant Matrix of Carbon Fiber Composites With an Ultrasonic 2D-Array Transducer. <i>IEEE Sensors Journal</i> , 2022, 22, 5562-5570.	4.7	7
657	Temperature dependent dynamic compressive response of PA66-GF30 composite under constant strain rate multiaxial loading. <i>Composites Part B: Engineering</i> , 2022, 234, 109738.	12.0	5
658	The effects of processing and carbon nanotube type on the impact strength of aerospace-grade bismaleimide based nanocomposites. <i>Polymer Engineering and Science</i> , 0, , .	3.1	6
660	Recent Advancements in Advanced Composites for Aerospace Applications: A Review. , 2022, , 319-339.		11
661	Testing and Characterization of Fiber Reinforced Epoxy and Polymer Composite. , 2022, , .		0
662	Use of line laser scanning thermography for the defect detection and evaluation of composite material. <i>Science and Engineering of Composite Materials</i> , 2022, 29, 74-83.	1.4	8
663	Evolution of Aerospace Composite Materials. , 2022, , 367-385.		6
664	Effect of PEEK Particles on Physiomechanical Behavior of Carbon/Epoxy Composite. <i>International Journal of Polymer Science</i> , 2022, 2022, 1-12.	2.7	7

#	ARTICLE	IF	CITATIONS
665	Mathematical modeling the rigid-plastic yielding behavior of fibrous flatly-reinforced composites of anisotropic materials at 2D stress state. <i>Mechanics of Advanced Materials and Structures</i> , 2023, 30, 1692-1702.	2.6	0
666	Latent, Cross-Linkable Triazole Platform on a Carbon Fiber Surface for Enhancing Interfacial Cross-Linking within Carbon Fiber/Epoxy Composites. <i>ACS Omega</i> , 2022, 7, 12803-12815.	3.5	2
667	A vibration response identification neural network with resilience against missing data anomalies. <i>Measurement Science and Technology</i> , 2022, 33, 075102.	2.6	0
668	Efficient generation of anisotropic N-field microstructures from 2-point statistics using multi-output Gaussian random fields. <i>Acta Materialia</i> , 2022, 232, 117927.	7.9	18
669	Application of deep neural network learning in composites design. <i>European Journal of Materials</i> , 2022, 2, 117-170.	2.6	12
670	Unconventional aircraft for civil aviation: A review of concepts and design methodologies. <i>Progress in Aerospace Sciences</i> , 2022, 131, 100813.	12.1	40
671	Mechanical, morphological, and thermal characteristics of epoxy/glass fiber/cellulose nanofiber hybrid composites. <i>Polymer Testing</i> , 2022, 110, 107560.	4.8	27
672	Influence of Deformable Mandrel Based Composite Part Forming Process on Part Forming Accuracy. , 2021, , .		0
673	Study on negative pressure handling of carbon fiber prepreg. , 2021, , .		0
674	A Refined Model of Viscoelastic-Plastic Deformation of Flexible Plates with Spatial Reinforcement Structures. <i>Journal of Applied Mechanics and Technical Physics</i> , 2021, 62, 1045-1062.	0.5	1
675	Unidirectional Carbon Fiber Reinforced Thermoplastic Tape in Automated Tape Placement Process. , 0, , .		0
676	Investigation of Different Commercial Boron Nitride Grades and their Effect on Loss Spectra in Epoxy Resins and Silicone Rubbers. , 2021, , .		0
677	Composite Materials and Its Advancements for a Cleaner Engine of Future. <i>Energy, Environment, and Sustainability</i> , 2022, , 169-191.	1.0	4
679	Determination of The Best Injection Stretch Blow Molding Process Parameters in Polyethylene Terephthalate Bottle Service Performance. <i>Gazi University Journal of Science</i> , 2022, 35, 1297-1316.	1.2	4
680	The Influence of Low-Energy Impact Loads on the Properties of the Sandwich Composite with a Foam Core. <i>Polymers</i> , 2022, 14, 1566.	4.5	6
684	A Review on Reductions in the Stress-Intensity Factor of Cracked Plates Using Bonded Composite Patches. <i>Materials</i> , 2022, 15, 3086.	2.9	7
685	A Study on Design of S-Duct Structures and Air Intake for Small Aircraft Applied to High Strength Carbonâ€Epoxy Composite Materials. <i>Materials</i> , 2022, 15, 3001.	2.9	2
686	Fatigue behaviour and failure mechanism of the thin/thick-ply hybrid laminated composite bolted joints. <i>Composite Structures</i> , 2022, 295, 115636.	5.8	10

#	ARTICLE	IF	CITATIONS
687	Effect of moisture absorption on the thermo-mechanical properties of carbon/epoxy composites with SiC reinforcement. <i>Composite Interfaces</i> , 2022, 29, 1309-1324.	2.3	2
688	The effect of thermal damage on mechanical strengths of CFRP cut with different pulse-width lasers. <i>Optics and Laser Technology</i> , 2022, 153, 108219.	4.6	13
689	Reactive Molecular Dynamics Study of Hygrothermal Degradation of Crosslinked Epoxy Polymers. <i>ACS Applied Polymer Materials</i> , 2022, 4, 4411-4423.	4.4	11
690	Quasi-Static Compression Response of Carbon Fiber Reinforced 2.5D Woven Composites at Different Loading Directions. <i>Materials</i> , 2022, 15, 3953.	2.9	1
691	Atomistic investigation of fracture mechanisms in phosphorus-functionalized epoxy resins. <i>International Journal of Mechanical Sciences</i> , 2022, 227, 107412.	6.7	3
692	Self-resistance electric heating of shaped CFRP laminates: temperature distribution optimization and validation. <i>International Journal of Advanced Manufacturing Technology</i> , 2022, 121, 1755-1768.	3.0	9
693	Modeling of thermoelastoplastic deformation of reinforced plates. I. Structural model of the reinforced medium. , 2021, 64, .		2
694	Characterization of interfacial bonding properties of Vitrimer resin/ T700 fibre. <i>Composite Interfaces</i> , 0, , 1-23.	2.3	0
695	Deep Learning Approach to Impact Classification in Sensorized Panels Using Self-Attention. <i>Sensors</i> , 2022, 22, 4370.	3.8	3
696	A review of joining techniques for thermoplastic composite materials. <i>Journal of Thermoplastic Composite Materials</i> , 2023, 36, 3417-3454.	4.2	14
697	Conceptual Design of a Flying-V Aircraft Family. , 2022, , .		5
698	Guided wave based localization and severity assessment of in-plane and out-of-plane fiber waviness in carbon fiber reinforced composites. <i>Composite Structures</i> , 2022, 297, 115932.	5.8	12
699	New imide-based thermosets with propargyl ether groups for high temperature composite application. <i>Polymer</i> , 2022, 254, 125038.	3.8	2
700	Large Deformation Effect on Dynamic Deflection Responses of Cutout-Borne Composite Shell Panel: An Experimental Validation. <i>Journal of Engineering Mechanics - ASCE</i> , 2022, 148, .	2.9	8
701	Laser ablation of CFRP surfaces for improving the strength of bonded scarf composite joints. <i>Composite Structures</i> , 2022, 296, 115881.	5.8	5
702	Stability and nonlinear vibration analysis of fluid-conveying composite pipes with elastic boundary conditions. <i>Thin-Walled Structures</i> , 2022, 179, 109597.	5.3	15
703	Influence of Stress Level and Fibre Volume Fraction on Fatigue Performance of Glass Fibre-Reinforced Polyester Composites. <i>Polymers</i> , 2022, 14, 2662.	4.5	54
704	Anti-Wear and Anti-Erosive Properties of Polymers and Their Hybrid Composites: A Critical Review of Findings and Needs. <i>Nanomaterials</i> , 2022, 12, 2194.	4.1	6

#	ARTICLE	IF	CITATIONS
705	Experimental study on failure mechanism of CFRP-to-aluminium single-lap adhesive joints under tension after out-of-plane pre-impact. <i>Journal of Adhesion</i> , 0, , 1-22.	3.0	0
706	Manufacturing of Fibrous Composites for Engineering Applications. <i>Journal of Composites Science</i> , 2022, 6, 187.	3.0	1
707	Study on Interfacial Interlocking Effect of Ultrasonic Vibration-Assisted Adhesive Bonding. <i>Polymers</i> , 2022, 14, 2622.	4.5	0
708	Determination of fibre tension fracture toughness of composite laminates at high loading rate. <i>Composites Science and Technology</i> , 2022, 228, 109619.	7.8	6
709	Economical preparation of high-performance activated carbon fiber papers as self-supporting supercapacitor electrodes. <i>Chemical Engineering Journal</i> , 2022, 450, 137938.	12.7	16
710	QCNNet: query context network for salient object detection of automatic surface inspection. <i>Visual Computer</i> , 2023, 39, 4391-4403.	3.5	4
711	Delamination of Fibre Metal Laminates Due to Drilling: Experimental Study and Fracture Mechanics-Based Modelling. <i>Metals</i> , 2022, 12, 1262.	2.3	6
712	Laser Optoacoustic Method for Detecting Violations in the Periodicity of the Structure of Carbon Fiber Reinforced Plastic Composites. <i>Acoustical Physics</i> , 2022, 68, 408-414.	1.0	2
713	Effect of interactions of two holes on tensile behavior of patch repaired carbon/epoxy woven laminates. <i>Defence Technology</i> , 2023, 21, 88-93.	4.2	1
714	Investigation on carbon nanoparticle (CNP)-polymer sensors for fatigue monitoring of fiber-reinforced composites. <i>Mechanics of Advanced Materials and Structures</i> , 0, , 1-11.	2.6	0
715	Developing aligned discontinuous flax fibre composites: Sustainable matrix selection and repair performance of vitrimers. <i>Composites Part B: Engineering</i> , 2022, 243, 110139.	12.0	18
716	Effect of ultrasonic vibration on adhesive enhancement of plasma-modified nickel surface. <i>Ultrasonics Sonochemistry</i> , 2022, 89, 106126.	8.2	6
717	Enhanced thermal and mechanical properties of carbon fiber/epoxy composites interleaved with graphene/SiCnw nanostructured films. <i>Composites Part A: Applied Science and Manufacturing</i> , 2022, 162, 107129.	7.6	11
718	Insight into the reactivity of aromatic-rich fractions coâ€carbonized with polyethylene glycol for preparation of isotropic pitch with superior spinnability. <i>Fuel Processing Technology</i> , 2022, 237, 107433.	7.2	3
719	Microscale investigation on the carbon fiber surface physical properties and interfacial behavior of carbon fiber/polypropylene composites fabricated by selfâ€resistance electric heating technique. <i>Polymer Composites</i> , 0, , .	4.6	1
720	A review of recent advancements in drilling of fiber-reinforced polymer composites. <i>Composites Part C: Open Access</i> , 2022, 9, 100312.	3.2	9
721	A cyber process control system based on pattern recognition and cloud computing. <i>GestÃ£o & ProduÃ§Ã£o</i> , 0, 29, .	0.5	0
722	Interface and Interphase in Carbon Nanotube-Based Polymer Composites. , 2022, , 147-168.		2

#	ARTICLE	IF	CITATIONS
723	Free Vibration Characteristics of Bast Fiber-Based Polymeric Composites. Springer Series on Polymer and Composite Materials, 2022, , 231-243.	0.7	0
725	Numerical modelling of drilling of fiber reinforced polymer matrix composite: a review. Journal of Materials Research and Technology, 2022, 20, 3561-3578.	5.8	4
726	Delamination study on glass/carbon hybrid composite laminates for structural applications. Materials Today: Proceedings, 2023, 72, 2329-2334.	1.8	2
728	Study on the mechanism of ultrasonic-assisted laser processing carbon fiber reinforced plastics in ethanol solution. Journal of Laser Applications, 2022, 34, .	1.7	1
729	HEALING CARBON FIBER COMPOSITES WITH THERMOPLASTIC POLYMERS. Journal of Innovative Science and Engineering (JISE), 0, , .	0.7	0
730	Comparative analysis and manufacturing of airfoil structures suitable for use at low speeds. Acta Mathematica Spalatensis, 0, , .	0.3	0
731	The effect of model dimensionality on compression strength of fiber reinforced composites. Journal of Composite Materials, 2022, 56, 4645-4662.	2.4	1
734	Review on natural plant fibres and their hybrid composites for structural applications: Recent trends and future perspectives. Composites Part C: Open Access, 2022, 9, 100322.	3.2	27
735	Optimization of CFRP drilling process: a review. International Journal of Advanced Manufacturing Technology, 2022, 123, 1403-1432.	3.0	13
736	Quality assurance of uncured polymer matrix prepregs through the application of non-destructive methods. NDT and E International, 2023, 133, 102761.	3.7	6
737	An Improved RAPID Imaging Method of Defects in Composite Plate Based on Feature Identification by Machine Learning. Sensors, 2022, 22, 8413.	3.8	1
738	Regeneration of interfacial bonding force of waste carbon fibers by light: Process demonstration and atomic level analysis. IScience, 2022, 25, 105367.	4.1	3
739	Study on mechanism of spray-mist-assisted laser processing of carbon fiber reinforced plastic. Optics and Laser Technology, 2023, 158, 108821.	4.6	6
740	Research on Defect Detection in Automated Fiber Placement Processes Based on a Multi-Scale Detector. Electronics (Switzerland), 2022, 11, 3757.	3.1	3
741	Reverse compensation to prevent post-molding dimensional distortion of automobile parts manufactured using CF-SMC. International Journal of Advanced Manufacturing Technology, 2022, 123, 4181-4194.	3.0	2
742	A nonlocal continuum damage model for timber: Development, implementation, and application. Engineering Fracture Mechanics, 2023, 277, 109009.	4.3	1
743	Accurate prediction of topology of composite plates via machine learning and propagation of elastic waves. Composites Communications, 2023, 37, 101465.	6.3	7
744	A two-scale RBF meshless method for the interface stress retrieval in simply bended and torqued long-fibres laminates. Composite Structures, 2023, 306, 116600.	5.8	0

#	ARTICLE	IF	CITATIONS
745	Past, present and future prospective of global carbon fibre composite developments and applications. Composites Part B: Engineering, 2023, 250, 110463.	12.0	85
746	Finite Element Modelling of Wear Behaviors of Composite Laminated Structure. Lubricants, 2022, 10, 317.	2.9	2
747	Study on the mechanism of quasi-continuous wave (QCW) fiber laser low-damage processing of carbon fiber-reinforced plastics. International Journal of Advanced Manufacturing Technology, 2023, 124, 429-447.	3.0	3
748	Study on the influence of ultrasonic-assisted cutting on the surface quality of CFRP. International Journal of Advanced Manufacturing Technology, 0, , .	3.0	2
749	FPGA-based measurement instrument for the ERT applications of aerospace composite materials. , 2022, , .		0
750	Fracture of carbon fiber composite strip under preloading and CW laser irradiation. , 2022, , .		0
751	Accurate Prediction of Microstructure of Composites using Machine Learning. Advanced Theory and Simulations, 2023, 6, .	2.8	7
752	Strategies towards a more sustainable aviation: A systematic review. Progress in Aerospace Sciences, 2023, 137, 100878.	12.1	34
753	Modeling of Thermoelastic-Visco-Plastic Deformation of Flexible Reinforced Plates. Mechanics of Solids, 2022, 57, 1717-1739.	0.7	3
754	Polyester resins as a matrix material in advanced fiber-reinforced polymer (FRP) composites. , 2013, , 7-30.		0
755	Drilling Response of Carbon Fabric/Solid Lubricant Filler/Epoxy Hybrid Composites: An Experimental Investigation. Journal of Composites Science, 2023, 7, 46.	3.0	2
757	Structural Health Monitoring of Laminated Materials for Aerospace Application. Composites Science and Technology, 2023, , 1-26.	0.6	0
758	Recovery of epoxy thermosets and their composites. Materials Today, 2023, 64, 72-97.	14.2	35
759	Shock response of polymer composites. , 2023, , 309-336.		1
760	Credibility-Based Multidisciplinary Design Optimisation of Electric Aircraft. , 2023, , .		0
761	Self-healing aeronautical nanocomposites. , 2023, , 263-296.		0
762	Detection and quantification of artificial delaminations in CFRP composites using ultrasonic thermography. Infrared Physics and Technology, 2023, 130, 104579.	2.9	3
763	Experimental Characterization of Internal Structure and Physical Properties of Unidirectional Ply-€Level Hybrid Carbon Composite Material. Advanced Engineering Materials, 2023, 25, .	3.5	3

#	ARTICLE	IF	CITATIONS
765	Investigation of load-bearing capacity of rigid-plastic reinforced ellipsoidal shells of rotation. <i>Mechanics of Advanced Materials and Structures</i> , 0, , 1-12.	2.6	0
766	Biobased Transesterification Vitrimers. <i>Macromolecular Rapid Communications</i> , 2023, 44, .	3.9	22
767	Enhancement in fatigue performance of FRP composites with various fillers: A review. <i>Composite Structures</i> , 2023, 309, 116724.	5.8	6
768	A multi-scale computational framework for the hygro-thermo-mechanical analysis of laminated composite structures with carbon nanotube inclusions. <i>Results in Engineering</i> , 2023, 17, 100904.	5.1	7
769	Mechanical, thermo-mechanical and biodegradation behaviour of surface-silanzed nettle fabric-reinforced poly(lactic acid) composites. <i>Materials Chemistry and Physics</i> , 2023, 297, 127381.	4.0	2
770	Strength analysis of carbon fiber reinforced PEEK composites with heat resistant sizing agents. <i>Voprosy Materialovedeniya</i> , 2023, , 62-76.	0.1	0
771	Effects of Specimen Thickness and Non-Isothermal Process on Creep Behavior of AA2024 Aluminum Alloy. <i>Metals</i> , 2023, 13, 409.	2.3	1
772	Response surface methodology based evaluation of S-glass fibre composite reinforced with aluminium oxide/pearlite hybrid nano particles. <i>Advances in Materials and Processing Technologies</i> , 0, , 1-15.	1.4	0
773	Strong and Flexible Braiding Pattern of Carbon Nanotubes for Composites: Stiff and Robust Structure Active in Composite Materials. <i>Materials</i> , 2023, 16, 1725.	2.9	1
774	A State-of-the-Art Review of Non-Destructive Testing Image Fusion and Critical Insights on the Inspection of Aerospace Composites towards Sustainable Maintenance Repair Operations. <i>Applied Sciences (Switzerland)</i> , 2023, 13, 2732.	2.5	4
775	Nonlinear frequency mixing of counter-propagating collinear A0-S0 mode Lamb waves for delamination detection in CFRP composite plate. <i>Nondestructive Testing and Evaluation</i> , 2023, 38, 1027-1046.	2.1	1
776	Effect of bio-fibers and inorganic fillers reinforcement on mechanical and thermal characteristics on carbon-kevlar-basalt-innegra fiber bio/ synthetic epoxy hybrid composites. <i>Journal of Materials Research and Technology</i> , 2023, 23, 5440-5458.	5.8	22
777	Debonding quantification in adhesive bonded joints by the inverse finite element method. <i>Smart Materials and Structures</i> , 2023, 32, 044002.	3.5	0
778	Testing of different materials for composite aircraft lightning protection. , 2023, , .		0
779	Investigation of wear and mechanical properties of hybrid polymer composites. <i>Materials Today: Proceedings</i> , 2023, , .	1.8	0
780	Machinability of High-Strength Fiber-Reinforced Polymer Textile Composites: A Review. <i>Mechanics of Composite Materials</i> , 2023, 59, 1-28.	1.4	2
781	Recycling of Epoxy/Fiberglass Composite Using Supercritical Ethanol with (2,3,5-Triphenyltetrazolium) ₂ [CuCl ₄] Complex. <i>Polymers</i> , 2023, 15, 1559.	4.5	2
783	Thickness effect on flexural strengths of laminar carbon fibre composites. <i>Thin-Walled Structures</i> , 2023, 186, 110690.	5.3	5

#	ARTICLE	IF	CITATIONS
784	Modeling of Nonisothermal Viscoelasticâ€“Plastic Behavior of Flexible Reinforced Plates. Journal of Applied Mechanics and Technical Physics, 2022, 63, 1243-1263.	0.5	1
785	Fatigue strength estimates for composite wing panels of prospective supersonic transport aircraft. Aerospace Systems, 0, , .	1.4	2
786	Damage Propagation by Cyclic Loading in Drilled Carbon/Epoxy Plates. Materials, 2023, 16, 2688.	2.9	2
787	The role of intralaminar damages on the delamination evolution in laminated composite structures. Heliyon, 2023, 9, e15060.	3.2	7
788	Lead Zirconate Titanate Transducers Embedded in Composite Laminates: The Influence of the Integration Method on Ultrasound Transduction. Materials, 2023, 16, 3057.	2.9	2
789	Ballistic performance and damage analysis of CFRP laminates under uniaxial pretension and precompression. International Journal of Impact Engineering, 2023, 178, 104620.	5.0	4
790	Analysis of Tool Wear and Hole Delamination for Large-Diameter Drilling of CFRP Aircraft Fuselage Components: Identifying Performance Improvement Drivers and Optimization Opportunities. Journal of Manufacturing and Materials Processing, 2023, 7, 76.	2.2	2
791	A review on CFRP drilling: fundamental mechanisms, damage issues, and approaches toward high-quality drilling. Journal of Materials Research and Technology, 2023, 24, 9677-9707.	5.8	16
792	Damage characterisation of amine-functionalized MWCNT reinforced carbon/epoxy composites under indentation loading. Journal of Materials Research and Technology, 2023, 24, 6713-6729.	5.8	2
793	Nonlinear progressive damage model for woven patch-repaired laminate composites. Composite Structures, 2023, 320, 117154.	5.8	3
794	On the Use of a Hybrid Metallic-Composite Design to Increase Mechanical Performance of an Automotive Chassis. Journal of Materials Engineering and Performance, 2023, 32, 3853-3870.	2.5	1
795	Analysis of Cutting Forces during Machining with Additive-Produced Milling Head. Manufacturing Technology, 2023, 23, 254-259.	1.4	3
796	Evaluation of quasi static strength of Kevlar/Basalt-Epoxy and Kevlar/Glass-Epoxy Intra-woven composite laminate. Materials Today: Proceedings, 2023, , .	1.8	0
797	Low-Temperature Terpolymerizable Benzoxazine Monomer Bearing Norbornene and Furan Groups: Synthesis, Characterization, Polymerization, and Properties of Its Polymer. Molecules, 2023, 28, 3944.	3.8	1
798	THz-BASED MONITORING OF THE DEFORMATION OF THE INNER WOVEN STRUCTURE OF GLASS FIBER REINFORCED POLYMERS. IEEE Transactions on Terahertz Science and Technology, 2023, , 1-11.	3.1	0
799	Experimental Study of Thermal and Fire Reaction Properties of Glass Fiber/Bismaleimide Composites for Aeronautic Application. Polymers, 2023, 15, 2275.	4.5	2
800	Investigations on mechanical properties and stacking sequence of Kevlar/banana fiber reinforced nano graphene oxide hybrid composites. Smart Materials and Structures, 2023, 32, 077001.	3.5	3
801	Influence of Drilling Parameters on the Delamination and Surface Roughness of Insulative-Coated Glass/Carbon-Hybrid Composite. Advances in Polymer Technology, 2023, 2023, 1-15.	1.7	1

#	ARTICLE	IF	CITATIONS
802	Electrophoretically Deposited Multiscale Graphene Oxide/Carbon Nanotube Construct Mediated Interfacial Engineering in Carbon Fiber Epoxy Composites. <i>ACS Applied Materials & Interfaces</i> , 2023, 15, 28581-28593.	8.0	8
803	Effect of nanoscale interface modification on residual stress evolution during composite processing. <i>Journal of Composite Materials</i> , 0, , 002199832311795.	2.4	0
804	Damage and energy absorption behaviour of composite laminates under impact loading using different impactor geometries. <i>Composite Structures</i> , 2023, 321, 117259.	5.8	3
805	A new stitched-plain weave fabric composite structure with reduced broadband radar cross-section. <i>Composite Structures</i> , 2023, 321, 117261.	5.8	1
806	Analysis and optimization of the heat affected zone of CFRP by femtosecond laser processing. <i>Optics and Laser Technology</i> , 2023, 167, 109756.	4.6	2
807	Buckling Analysis on Resin Base Laminated Plate Reinforced with Uniform and Functional Gradient Distribution of Carbon Fiber in Thermal Environment. <i>Polymers</i> , 2023, 15, 2086.	4.5	1
808	Tribological behavior of carbon-fiber-reinforced polymer with highly oriented graphite nanoplatelets. <i>Tribology International</i> , 2023, 186, 108577.	5.9	4
809	Actionable Artificial Intelligence for the Future of Production. , 2023, , 1-46.		3
810	Significance of ballistic parameters and nanohybridization in the development of textile-based body armor: A review. <i>International Journal of Impact Engineering</i> , 2023, 180, 104700.	5.0	2
811	On the effectiveness of double-double design on crashworthiness of fuselage barrel. <i>Aerospace Science and Technology</i> , 2023, 140, 108479.	4.8	3
812	Nonlinear parametric resonances of a rotating composite thin-walled beam under aerodynamic force and hygrothermal environment. <i>Engineering Structures</i> , 2023, 292, 116484.	5.3	4
814	Visual Quantitative Detection of Delamination Defects in GFRP via Microwave. <i>Sensors</i> , 2023, 23, 6386.	3.8	2
815	Research on the Heating Process of CFRP Circular Tubes Based on Electromagnetic Induction Heating Method. <i>Polymers</i> , 2023, 15, 3039.	4.5	1
816	Effect of printing design and forming thermal environment on pseudo-ductile behavior of continuous carbon/glass fibers reinforced nylon composites. <i>Composite Structures</i> , 2023, 322, 117362.	5.8	3
817	Flexural Analysis of Hand Layup Made Multi-Layer Fiber Reinforced Plastic Composite. <i>Lecture Notes in Mechanical Engineering</i> , 2023, , 421-429.	0.4	0
818	Coordination Compound (2,3,5-Triphenyltetrazolium) ₂ [CuBr ₄] as Catalyst for the Curing Process of Epoxy Vinyl Ester Binders. <i>International Journal of Molecular Sciences</i> , 2023, 24, 11808.	4.1	0
819	Effect of microwave power on the hole characteristics in microwave-drilled kenaf/polypropylene composites. <i>Journal of Manufacturing Processes</i> , 2023, 102, 218-230.	5.9	1
820	Energy Dissipation in Shear Thickening Fluid Integrated Structures Under Ballistic Impacts. , 2023, , 131-162.		0

#	ARTICLE	IF	CITATIONS
821	Development of Electrodeposited Wire Mesh Grinding Wheel for Cutoff and Grooving Carbon Fiber Reinforced Plastic. <i>Materials</i> , 2023, 16, 5247.	2.9	0
823	Pultruded FRP tubular section members, connections, and frames: A review on experimental studies. <i>Structures</i> , 2023, 56, 104986.	3.6	1
824	Contactless separation mode triboelectric nanogenerator utilizing carbon-fiber composite structure for harvesting mechanical energy. <i>Functional Composites and Structures</i> , 2023, 5, 035007.	3.4	1
825	To the Calculation of Reinforced Structural Elements of Complex Geometry. <i>Lobachevskii Journal of Mathematics</i> , 2023, 44, 1820-1825.	0.9	0
826	Damage analysis of Nomex honeycomb sandwich structures using image processing and artificial intelligence approaches. <i>Polymer Composites</i> , 0, , .	4.6	0
827	Inhibiting Metal Galvanic and Carbon Corrosion in Aluminum Alloy-Carbon Fiber Reinforced Composite Joints by Spontaneous Deposition of Diazonium Adlayers on Exposed Carbon Fibers. <i>Journal of the Electrochemical Society</i> , 2023, 170, 091503.	2.9	0
828	State-of-the-art review on developing lightweight fiber-metal laminates based on synthetic/natural fibers. <i>Polymer Composites</i> , 2023, 44, 6275-6303.	4.6	1
829	Characteristics of compressive failure behavior of polyacrylonitrile-based carbon fiber multifilament. <i>Polymer Composites</i> , 0, , .	4.6	1
830	Improving mechanical properties of high-temperature resistant carbon fiber/phthalonitrile composites via surface modification: a comparative study on modification methods. <i>Composite Interfaces</i> , 2024, 31, 385-400.	2.3	0
831	Prediction of elastic wave propagation in composite bars using deep learning techniques. <i>Materials Letters</i> , 2023, 353, 135277.	2.6	0
832	Practical method for localizing low-velocity impact on a UAV composite wingbox structure under loading conditions. <i>Advanced Composite Materials</i> , 2024, 33, 290-304.	1.9	0
833	Ultrasonic detection methods for mechanical characterization and damage diagnosis of advanced composite materials: A review. <i>Composite Structures</i> , 2023, 324, 117554.	5.8	7
834	Modeling of Thermoelastoplastic Deformation of Reinforced Plates. 1. Structural Model of Reinforced Medium. <i>Journal of Mathematical Sciences</i> , 2023, 274, 746-760.	0.4	1
835	Neuron-like thermal silica bridge between boron nitride nanosheets with hard-soft composite structure to enhance thermal conductivity and anti-icing properties on CFRP. <i>Composites Part A: Applied Science and Manufacturing</i> , 2023, 175, 107806.	7.6	3
836	Actionable Artificial Intelligence for the Future of Production. , 2023, , 1-46.		1
837	Investigation on the moldless curing process of 3D printing continuous carbon fiber reinforced thermoset composites based on thermoplastic shells constraint. <i>Polymer Composites</i> , 0, , .	4.6	0
838	Exploring the Mechanical and Thermal Properties of Novel Abaca/Aramid Hybrid Composite with CaCO ₃ Filler. <i>Journal of the Institution of Engineers (India): Series D</i> , 0, , .	1.0	0
840	Modeling of Non-Isothermal Viscoelastic-Viscoplastic Deformation of Bending Reinforced Plates. <i>Mechanics of Solids</i> , 0, , .	0.7	0

#	ARTICLE	IF	CITATIONS
841	Constructing quasi-vertical fiber bridging behaviors of aramid pulp at interlayer of laminated basalt fiber reinforced polymer composites to improve flexural performances. Chinese Journal of Aeronautics, 2023, , .	5.3	0
842	Low velocity impact on fibre metal laminates: A review. Journal of Composite Materials, 0, , .	2.4	0
843	Methods and models for fibre-matrix interface characterisation in fibre-reinforced polymers: a review. International Materials Reviews, 2023, 68, 1245-1319.	19.3	0
844	Numerical study on influence of particle shape and deformation on friction behavior of flexible cylindrical particle flows. AIChE Journal, 2024, 70, .	3.6	0
845	Fast and accurate prediction of cure quality and mechanical performance in fiber-reinforced polymer composite using dielectric variables and machine learning. Polymer Composites, 0, , .	4.6	0
846	Development of cat-GRRM/MC/MD method for the simulation of cross-linked network structure formation with molecular autocatalysis. Molecular Catalysis, 2024, 552, 113680.	2.0	2
847	Nonlinear vibration and stability of sandwich functionally graded porous plates reinforced with graphene platelets in subsonic flow on elastic foundation. Thin-Walled Structures, 2024, 194, 111327.	5.3	3
848	Effect of Duty Cycle on Cutting Force for Ultrasonic Vibration-Assisted Milling Carbon Fiber-Reinforced Polymer Laminates. Materials, 2023, 16, 7457.	2.9	0
849	Recycling of fiber reinforced composites: Online mass spectrometric tracing, offline physicochemical speciation and toxicological evaluation of a pilot plant pyrolytic conversion. Waste Management, 2024, 173, 10-21.	7.4	0
850	Effect of linear heat input on the interface and mechanical properties of steel/CFRP laser welding joint. Composite Structures, 2024, 327, 117652.	5.8	1
851	Detection of impact damage in glass fibre-reinforced polymer composites using a microwave planar resonator sensor. Nondestructive Testing and Evaluation, 0, , 1-20.	2.1	0
852	Processing of Composites with Metallic, Ceramic, and Polymeric Matrices. Composites Science and Technology, 2024, , 67-79.	0.6	0
853	Material identification method for helical milling of CFRP/Ti stacks based on torque-speed model. International Journal of Advanced Manufacturing Technology, 2023, 129, 3659-3672.	3.0	0
854	Comparison of X-ray Computed Tomography and Ultrasonic C-Scan Techniques and Numerical Modelling of Impact Damage in a CFRP Composite Laminate. Applied Composite Materials, 2024, 31, 249-264.	2.5	0
855	Low-velocity impact response and post-impact assessment of self-healing composites with different stacking configurations of core-shell nanofibers. Polymer Composites, 2024, 45, 2367-2383.	4.6	0
856	Analytical approaches to fiber-reinforced polymer composites: a short review. Polimeros, 2023, 33, .	0.7	0
857	Post-consolidation process for modifying microscale and mesoscale parameters of 3D printed composite materials. Frontiers in Materials, 0, 10, .	2.4	0
858	Effects of CNT microstructural characteristics on the interfacial enhancement mechanism of carbon fiber reinforced epoxy composites via molecular dynamics simulations. Thin-Walled Structures, 2024, 195, 111413.	5.3	0

#	ARTICLE	IF	CITATIONS
860	Structural energy storage system using electrospun carbon nanofibers with carbon nanotubes. <i>Polymer Composites</i> , 0, , .	4.6	0
862	Machinability of CFRP/Ti6Al4V stacks with low-frequency-vibration assisted drilling under different cooling strategies. <i>Journal of Manufacturing Processes</i> , 2023, 108, 852-862.	5.9	0
863	Investigation on Failure Modes and Joining Of Aircraft Composite Structures. , 0, , 30-35.		0
864	Effect of Fiber Sizing Levels on the Mechanical Properties of Carbon Fiber-Reinforced Thermoset Composites. <i>Polymers</i> , 2023, 15, 4678.	4.5	1
865	Process and mechanism of paint stripping on CFRP by UV nanosecond laser. <i>Optics and Laser Technology</i> , 2024, 171, 110461.	4.6	0
866	Comprehensive parametric analyses on the mechanical performance of 3D printed continuous carbon fibre reinforced plastic. <i>Composite Structures</i> , 2024, 329, 117804.	5.8	0
867	On the use of doubleâ€double design philosophy in the redesign of composite fuselage barrel frame components. <i>Polymer Composites</i> , 0, , .	4.6	0
868	Actionable Artificial Intelligence for the Future of Production. , 2024, , 91-136.		0
869	Evaluation of True Bonding Strength for Adhesive Bonded Carbon Fiber-Reinforced Plastics. <i>Materials</i> , 2024, 17, 394.	2.9	0
870	Shape memory nanomaterials in aerospace. , 2024, , 157-177.		0
871	Nanotechnology-enhanced fiber-reinforced polymer composites: Recent advancements on processing techniques and applications. <i>Heliyon</i> , 2024, 10, e24692.	3.2	3
872	Development and strategy of alumina-mullite diphasic fibers with high thermal stability. <i>Journal of the European Ceramic Society</i> , 2024, 44, 4045-4054.	5.7	0
873	On the energy absorption in a novel <sc>CoFeSiB</sc> metallicâ€glass fiber/epoxy resin composite under quasiâ€static and dynamic compression conditions. <i>Polymer Composites</i> , 2024, 45, 5290-5299.	4.6	0
874	3D micromechanical modeling of orthogonal hole saw cutting on CFRP composites. <i>Journal of Thermoplastic Composite Materials</i> , 0, , .	4.2	0
875	Phosphorus-containing curing agents with dynamic bonds endowing epoxy resins with flame retardancy and remolding capability. <i>Composites Part B: Engineering</i> , 2024, 273, 111260.	12.0	1
876	Improving resistanceâ€strain effects of conductive polymer composites modified by multiscale fillers: Short carbon fiber and carbon nanotube. <i>Polymer Composites</i> , 2024, 45, 5839-5852.	4.6	0
877	Electromechanical Properties of Smart Vitrimers Reinforced with Carbon Nanotubes for SHM Applications. <i>Sensors</i> , 2024, 24, 806.	3.8	0
878	Characterization of sandwich materials â€ Nomex-Aramid carbon fiber performances under mechanical loadings: Nonlinear FE and convergence studies. <i>Reviews on Advanced Materials Science</i> , 2024, 63, .	3.3	0

#	ARTICLE	IF	CITATIONS
879	Study on the control and mechanism of balance between heat and cold for spray-mist-assisted laser processing of CFRP. Optics and Laser Technology, 2024, 174, 110682.	4.6	0
880	Enhancing oxidation resistance of carbon fibre reinforced phenolic composites by ZrO ₂ nanoparticles through out-of-autoclave vacuum infusion. Composites Part A: Applied Science and Manufacturing, 2024, 180, 108071.	7.6	0
881	Synergistic effect of woven copper wires with graphene foams for high thermal conductivity of carbon fiber/epoxy composites. Advanced Composites and Hybrid Materials, 2024, 7, .	21.1	0
882	Investigation on ablative process of CFRP laminates under laser irradiations. Optics and Laser Technology, 2024, 174, 110687.	4.6	0
883	Simulation of Dynamic Thermoelastoviscoplastic Deformation of Flexible Shallow Reinforced Shells. Mechanics of Solids, 2023, 58, 2676-2693.	0.7	0
884	MICRO2D: A Large, Statistically Diverse, Heterogeneous Microstructure Dataset. Integrating Materials and Manufacturing Innovation, 2024, 13, 120-154.	2.6	0
885	Topology Optimization and Efficiency Evaluation of Short-Fiber-Reinforced Composite Structures Considering Anisotropy. Computation, 2024, 12, 35.	2.0	0
886	Mode II fatigue characteristics of a composite bonded joint with microstructured adhesive bondline through tailored sacrificial cracks. Composites Part A: Applied Science and Manufacturing, 2024, 180, 108090.	7.6	0
887	Experimental study on nanosecond laser thermal decomposition of CFRP and recycling of carbon fibers. Optics and Laser Technology, 2024, 175, 110741.	4.6	0
888	The effect of composite materials interfacial discontinuities on the impact safety of future composite rail vehicles. Engineering Reports, 0, , .	1.7	0
889	Durability of polymer composite materials for high-temperature applications. , 2024, , 135-170.		0
890	A modified equally-spaced method (MEQS) for fibre placement in additive manufacturing of topology-optimised continuous carbon fibre-reinforced polymer composite structures. Composite Structures, 2024, 335, 117998.	5.8	0
891	Evaluating the Von Mises Effect of HSS Twist Drilled Hole on Untreated Sandwich Composites by FE Analysis. Journal of the Institution of Engineers (India): Series D, 0, , .	1.0	0
892	Mechanical analysis of a carbon fibre composite woven composite laminate for ultra-light applications in aeronautics. Composites Part C: Open Access, 2024, 14, 100447.	3.2	0
893	Classification, applications, and impact behavior of composite materials: A review. Mechanics of Advanced Materials and Structures, 0, , 1-44.	2.6	0
894	Fatigue behavior of symmetric and asymmetric carbon and basalt fiber-reinforced polymer composites in transverse loading. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2024, 46, .	1.6	0
895	Impact of process parameters in drilling of glass epoxy composite with clam shell and cenosphere filler: A comparative analysis. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 0, , .	2.1	0
896	Press Conduction Welding for Secondary Bonding of Aircraft Skin/Stiffener Assemblies Using Carbon Fiber/PEKK Thermoplastic Composites and PEI Adhesive. Polymers, 2024, 16, 750.	4.5	0

#	ARTICLE	IF	CITATIONS
897	Influence of Interfacial Interaction and Composition on Fracture Toughness and Impact Properties of Carbon Fiber-Reinforced Polyethersulfone. <i>Polymers</i> , 2024, 16, 860.	4.5	0