

# Bronwyn L Fox

## List of Publications by Citations

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

144 papers	3,910 citations	32 h-index	55 g-index
149 ext. papers	4,505 ext. citations	5.9 avg, IF	5.68 L-index

#	Paper	IF	Citations
144	Adhesion of polymers. <i>Progress in Polymer Science</i> , <b>2009</b> , 34, 948-968	29.6	521
143	Mechanical property and structure of covalent functionalised graphene/epoxy nanocomposites. <i>Scientific Reports</i> , <b>2014</b> , 4, 4375	4.9	352
142	Crack Damage in Polymers and Composites: A Review. <i>Polymer Reviews</i> , <b>2016</b> , 56, 31-69	14	98
141	Surface modification of carbon fibre using graphene-related materials for multifunctional composites. <i>Composites Part B: Engineering</i> , <b>2018</b> , 133, 240-257	10	91
140	Structural transformation of polyacrylonitrile fibers during stabilization and low temperature carbonization. <i>Polymer Degradation and Stability</i> , <b>2016</b> , 128, 39-45	4.7	79
139	Thermal and Rheological Characteristics of Biobased Carbon Fiber Precursor Derived from Low Molecular Weight Organosolv Lignin. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2015</b> , 3, 758-769	8.3	71
138	Cure kinetics and viscosity modelling of a high-performance epoxy resin film. <i>Polymer Testing</i> , <b>2013</b> , 32, 150-157	4.5	68
137	Toughening of a Carbon-Fibre Composite Using Electrospun Poly(Hydroxyether of Bisphenol A) Nanofibrous Membranes Through Inverse Phase Separation and Inter-Domain Etherification. <i>Materials</i> , <b>2011</b> , 4, 1967-1984	3.5	67
136	Heterogeneity of carbon fibre. <i>Carbon</i> , <b>2014</b> , 68, 240-249	10.4	66
135	Interfacial characterization and reinforcing mechanism of novel carbon nanotube /Carbon fibre hybrid composites. <i>Carbon</i> , <b>2016</b> , 109, 74-86	10.4	65
134	Surface functionalization of unsized carbon fiber using nitrenes derived from organic azides. <i>Carbon</i> , <b>2013</b> , 54, 378-388	10.4	59
133	Effect of surface functionality of PAN-based carbon fibres on the mechanical performance of carbon/epoxy composites. <i>Composites Science and Technology</i> , <b>2014</b> , 94, 89-95	8.6	58
132	A systematic study of carbon fibre surface grafting via in situ diazonium generation for improved interfacial shear strength in epoxy matrix composites. <i>Composites Science and Technology</i> , <b>2015</b> , 118, 31-38	8.6	55
131	Multifunctionality in Epoxy Resins. <i>Polymer Reviews</i> , <b>2020</b> , 60, 1-41	14	54
130	A surface-property relationship of atmospheric plasma treated jute composites. <i>Composites Science and Technology</i> , <b>2011</b> , 71, 1692-1698	8.6	52
129	. <i>IEEE Transactions on Industrial Informatics</i> , <b>2015</b> , 11, 887-896	11.9	51
128	Investigation of progress of reactions and evolution of radial heterogeneity in the initial stage of thermal stabilization of PAN precursor fibres. <i>Polymer Degradation and Stability</i> , <b>2016</b> , 125, 105-114	4.7	50

127	Improving the mechanical properties of epoxy using multiwalled carbon nanotubes functionalized by a novel plasma treatment. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2013</b> , 45, 145-152	8.4	50
126	Evolution of radial heterogeneity in polyacrylonitrile fibres during thermal stabilization: An overview. <i>Polymer Degradation and Stability</i> , <b>2017</b> , 136, 20-30	4.7	49
125	The effects of molecular weight and polymorphism on the fracture and thermo-mechanical properties of a carbon-fibre composite modified by electrospun poly (vinylidene fluoride) membranes. <i>Polymer</i> , <b>2010</b> , 51, 2585-2596	3.9	48
124	Cure behaviour and void development within rapidly cured out-of-autoclave composites. <i>Composites Part B: Engineering</i> , <b>2013</b> , 47, 230-237	10	46
123	Thermal and mechanical properties of a dendritic hydroxyl-functional hyperbranched polymer and tetrafunctional epoxy resin blends. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2010</b> , 48, 417-424	2.6	46
122	Study on thermoplastic-modified multifunctional epoxies: Influence of heating rate on cure behaviour and phase separation. <i>Composites Science and Technology</i> , <b>2009</b> , 69, 1172-1179	8.6	45
121	Out-of-autoclave cure cycle study of a resin film infusion process using in situ process monitoring. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2012</b> , 43, 935-944	8.4	43
120	A novel approach to functionalise pristine unsized carbon fibre using in situ generated diazonium species to enhance interfacial shear strength. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 3360-3371	13	42
119	Enhanced thermal stability and lifetime of epoxy nanocomposites using covalently functionalized clay: experimental and modelling. <i>New Journal of Chemistry</i> , <b>2015</b> , 39, 2269-2278	3.6	42
118	Interfacial shear strength studies of experimental carbon fibres, novel thermosetting polyurethane and epoxy matrices and bespoke sizing agents. <i>Composites Science and Technology</i> , <b>2016</b> , 133, 104-110	8.6	42
117	Tailoring the fibre-to-matrix interface using click chemistry on carbon fibre surfaces. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 11204-11213	13	40
116	Fabrication and characterization of functionally graded synthetic graphite/phenolic nanocomposites. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2012</b> , 545, 123-131	5.3	40
115	Mechanical, Thermal, and Morphological Behavior of Silicone Rubber during Accelerated Aging. <i>Polymer-Plastics Technology and Engineering</i> , <b>2018</b> , 57, 1687-1696		35
114	Individual dispersion of carbon nanotubes in epoxy via a novel dispersion-curing approach using ionic liquids. <i>Physical Chemistry Chemical Physics</i> , <b>2013</b> , 15, 11696-703	3.6	34
113	Stochastic optimization models for energy management in carbonization process of carbon fiber production. <i>Applied Energy</i> , <b>2015</b> , 158, 643-655	10.7	33
112	Characterization of poly(ethylene terephthalate) and poly(ethylene terephthalate) blends. <i>Polymer</i> , <b>1997</b> , 38, 3035-3043	3.9	32
111	Evolving Strategies for Producing Multiscale Graphene-Enhanced Fiber-Reinforced Polymer Composites for Smart Structural Applications. <i>Advanced Science</i> , <b>2020</b> , 7, 1903501	13.6	31
110	Manufacturing Influence on the Delamination Fracture Behavior of the T800H/3900-2 Carbon Fiber Reinforced Polymer Composites. <i>Materials and Manufacturing Processes</i> , <b>2007</b> , 22, 768-772	4.1	31

109	Morphology-property relationships in ABS/PET blends. I. Compositional effects <b>1996</b> , 62, 1699-1708		31
108	The effect of a rapid curing process on the surface finish of a carbon fibre epoxy composite. <i>Composites Part B: Engineering</i> , <b>2011</b> , 42, 1035-1043	10	30
107	Using ionic liquids to reduce energy consumption for carbon fibre production. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 16619-16626	13	30
106	The effect of thermally induced chemical transformations on the structure and properties of carbon fibre precursors. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 7372-7382	13	28
105	Effect of graphene oxide concentration on the flexural properties of CFRP at low temperature. <i>Carbon</i> , <b>2019</b> , 152, 556-564	10.4	28
104	A predictive model of interfacial interactions between functionalised carbon fibre surfaces cross-linked with epoxy resin. <i>Composites Science and Technology</i> , <b>2018</b> , 159, 127-134	8.6	28
103	Interfacial ageing of high temperature carbon/bismaleimide composites. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2002</b> , 33, 1289-1292	8.4	28
102	The effect of alternate heating rates during cure on the structure-property relationships of epoxy/MMT clay nanocomposites. <i>Composites Science and Technology</i> , <b>2011</b> , 71, 1761-1768	8.6	27
101	A systematic investigation into a novel method for preparing carbon fibre-carbon nanotube hybrid structures. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2016</b> , 90, 174-185	8.4	27
100	Solvate Ionic Liquids as Reaction Media for Electrocyclic Transformations. <i>European Journal of Organic Chemistry</i> , <b>2016</b> , 2016, 913-917	3.2	26
99	Radial structure and property relationship in the thermal stabilization of PAN precursor fibres. <i>Polymer Testing</i> , <b>2017</b> , 59, 203-211	4.5	25
98	Cellulose Nanofibers as Rheology Modifiers and Enhancers of Carbonization Efficiency in Polyacrylonitrile. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 3296-3304	8.3	25
97	Graphene based room temperature flexible nanocomposites from permanently cross-linked networks. <i>Scientific Reports</i> , <b>2018</b> , 8, 2803	4.9	25
96	Dispersing single-walled carbon nanotubes in ionic liquids: a quantitative analysis. <i>RSC Advances</i> , <b>2013</b> , 3, 20034	3.7	24
95	Preparation and properties of composition-controlled carbon nanofiber/phenolic nanocomposites. <i>Composites Part B: Engineering</i> , <b>2013</b> , 52, 120-126	10	24
94	Enhanced permanganate chemiluminescence. <i>Analyst, The</i> , <b>2011</b> , 136, 64-6	5	24
93	Rapid surface functionalization of carbon fibres using microwave irradiation in an ionic liquid. <i>RSC Advances</i> , <b>2016</b> , 6, 32480-32483	3.7	23
92	An improved understanding of the dispersion of multi-walled carbon nanotubes in non-aqueous solvents. <i>Journal of Nanoparticle Research</i> , <b>2014</b> , 16, 1	2.3	23

91	Functionally graded carbon nanofiber/phenolic nanocomposites and their mechanical properties. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2013</b> , 54, 124-134	8.4	23
90	Combined Continuous Wave and Pulsed Plasma Modes: For More Stable Interfaces with Higher Functionality on Metal and Semiconductor Surfaces. <i>Plasma Processes and Polymers</i> , <b>2009</b> , 6, 615-619	3.4	23
89	Property enhancement of CFRP composites with different graphene oxide employment methods at a cryogenic temperature. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2019</b> , 120, 56-63	8.4	23
88	Practical Amine Functionalization of Multi-Walled Carbon Nanotubes for Effective Interfacial Bonding. <i>Plasma Processes and Polymers</i> , <b>2012</b> , 9, 733-741	3.4	22
87	Overcoming interfacial affinity issues in natural fiber reinforced polylactide biocomposites by surface adsorption of amphiphilic block copolymers. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 276-83	9.5	22
86	Interphase study of thermoplastic modified epoxy matrix composites: Phase behaviour around a single fibre influenced by heating rate and surface treatment. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2010</b> , 41, 787-794	8.4	22
85	The effect of material selection and manufacturing process on the surface finish of carbon fibre composites. <i>Journal of Materials Processing Technology</i> , <b>2010</b> , 210, 926-940	5.3	22
84	A Novel Approach to the Functionalisation of Pristine Carbon Fibre Using Azomethine 1,3-Dipolar Cycloaddition. <i>Australian Journal of Chemistry</i> , <b>2015</b> , 68, 335	1.2	21
83	Effect of compositional gradient on thermal behavior of synthetic graphite/phenolic nanocomposites. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2012</b> , 109, 1169-1176	4.1	20
82	Fracture behaviour of a rapidly cured polyethersulfone toughened carbon fibre/epoxy composite. <i>Composite Structures</i> , <b>2010</b> , 92, 2119-2127	5.3	20
81	Rapid formation of diphenylmethyl ethers and thioethers using microwave irradiation and protic ionic liquids. <i>Tetrahedron Letters</i> , <b>2012</b> , 53, 2035-2039	2	19
80	Characterization and Analysis of Delamination Fracture and Nanocreep Properties in Carbon Epoxy Composites Manufactured by Different Processes. <i>Journal of Composite Materials</i> , <b>2006</b> , 40, 1287-1299	2.7	19
79	A Review on Graphene Polymer Nanocomposites in Harsh Operating Conditions. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2019</b> , 58, 17106-17129	3.9	18
78	Enhancing the carbon yield of cellulose based carbon fibres with ionic liquid impregnates. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 15758-15762	13	18
77	Preparation of polyacrylonitrile/natural polymer composite precursors for carbon fiber using ionic liquid co solvent solutions. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 3424-3429	13	18
76	Improving the mechanical properties of multiwalled carbon nanotube/epoxy nanocomposites using polymerization in a stirring plasma system. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2014</b> , 56, 172-180	8.4	17
75	A novel carbon nanofibre/phenolic nanocomposite coated polymer system for tailoring thermal behaviour. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2013</b> , 46, 80-88	8.4	17
74	Actuation curvature limits for a composite beam with embedded shape memory alloy wires. <i>Smart Materials and Structures</i> , <b>2014</b> , 23, 065002	3.4	16

73	Nonisothermal crystallization behavior of poly(m-xylylene adipamide)/montmorillonite nanocomposites. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2009</b> , 47, 1300-1312	2.6	16
72	Morphology-property relationships in ABS/PET blends. II. Influence of processing conditions on structure and properties <b>1996</b> , 62, 1709-1714		16
71	Surface energy of silk fibroin and mechanical properties of silk cocoon composites. <i>RSC Advances</i> , <b>2015</b> , 5, 1640-1647	3.7	14
70	The Effect of a Rapid Heating Rate, Mechanical Vibration and Surfactant Chemistry on the Structure-Property Relationships of Epoxy/Clay Nanocomposites. <i>Materials</i> , <b>2013</b> , 6, 3624-3640	3.5	14
69	Improving energy efficiency of carbon fiber manufacturing through waste heat recovery: A circular economy approach with machine learning. <i>Energy</i> , <b>2021</b> , 225, 120113	7.9	14
68	Surface properties of polypropylene following a novel industrial surface-treatment process. <i>Surface and Interface Analysis</i> , <b>2008</b> , 40, 1454-1462	1.5	13
67	Novel polymer-ceramic composites for protection against ballistic fragments. <i>Polymer Composites</i> , <b>2013</b> , 34, 180-186	3	12
66	Strain Rate Effects on the Energy Absorption of Rapidly Manufactured Composite Tubes. <i>Journal of Composite Materials</i> , <b>2009</b> , 43, 2183-2200	2.7	12
65	The influence of processing techniques on the matrix distribution and filtration of clay in a fibre reinforced nanocomposite. <i>Composites Part B: Engineering</i> , <b>2016</b> , 84, 1-8	10	11
64	Investigation of failure mechanisms in aged aerospace composites. <i>Engineering Failure Analysis</i> , <b>2004</b> , 11, 235-241	3.2	11
63	The melding of dithiocarbamate and alkyne moieties at molybdenum centres; new ligands and heterometallacyclic complexes. <i>Journal of the Chemical Society Chemical Communications</i> , <b>1994</b> , 2579		11
62	Rapidly cured out-of-autoclave laminates: Understanding and controlling the effect of voids on laminate fracture toughness. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2015</b> , 73, 186-194	8.4	10
61	Preparation of microporous carbon materials via in-depth sulfonation and stabilization of polyethylene. <i>Polymer Degradation and Stability</i> , <b>2016</b> , 134, 272-283	4.7	10
60	A facile method to fabricate carbon nanostructures via the self-assembly of polyacrylonitrile/poly(methyl methacrylate-b-polyacrylonitrile) AB/B? type block copolymer/homopolymer blends. <i>RSC Advances</i> , <b>2016</b> , 6, 55792-55799	3.7	10
59	Protic ionic liquids as recyclable solvents for the acid catalysed synthesis of diphenylmethyl thioethers. <i>Comptes Rendus Chimie</i> , <b>2013</b> , 16, 634-639	2.7	10
58	Effect of manufacturing process on the flexural, fracture toughness, and thermo-mechanical properties of bio-composites. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2011</b> , 42, 993-999	8.4	10
57	Consistent model predictions for isothermal cure kinetics investigation of high performance epoxy prepregs. <i>Journal of Applied Polymer Science</i> , <b>2008</b> , 107, 2231-2237	2.9	10
56	Rapid Composite Tube Manufacture Utilizing the Quickstep™ Process. <i>Journal of Composite Materials</i> , <b>2007</b> , 41, 965-978	2.7	10



55	Synthesis and crystal structure of tris(diethyldithiocarbamato-S,S')(disulfido-S,S')niobium(V). <i>Journal of the Chemical Society Dalton Transactions</i> , <b>1994</b> , 1765-1767		10
54	Distribution states of graphene in polymer nanocomposites: A review. <i>Composites Part B: Engineering</i> , <b>2021</b> , 226, 109353	10	10
53	Wet-spinning and carbonization of graphene/PAN-based fibers: Toward improving the properties of carbon fibers. <i>Journal of Applied Polymer Science</i> , <b>2019</b> , 136, 47932	2.9	9
52	Tailoring the surface chemistry of carbon fiber and E-glass composites for improved adhesion. <i>Surface and Interface Analysis</i> , <b>2011</b> , 43, 856-864	1.5	9
51	Structural and material properties of a rapidly cured thermoplastic-toughened epoxy system. <i>Journal of Applied Polymer Science</i> , <b>2009</b> , 113, 485-491	2.9	9
50	Time-of-flight secondary ion mass spectrometry investigation of epoxy resin curing behavior in real time. <i>Journal of Applied Polymer Science</i> , <b>2009</b> , 113, 2765-2776	2.9	9
49	ToF-SIMS investigation of epoxy resin curing reaction at different resin to hardener ratios. <i>Journal of Applied Polymer Science</i> , <b>2008</b> , 110, 2711-2717	2.9	9
48	Making stronger carbon-fiber precursors. <i>Science</i> , <b>2019</b> , 366, 1314-1315	33.3	9
47	Influence of Different Nanocellulose Additives on Processing and Performance of PAN-Based Carbon Fibers. <i>ACS Omega</i> , <b>2019</b> , 4, 9720-9730	3.9	8
46	Flower like micellar assemblies in poly(styrene)-block-poly(4-vinyl pyridine)/poly(acrylic acid) complexes. <i>Materials Letters</i> , <b>2015</b> , 147, 92-96	3.3	8
45	Novel Approach to Trigger Nanostructures in Thermosets Using Competitive Hydrogen-Bonding-Induced Phase Separation (CHIPS). <i>Macromolecules</i> , <b>2015</b> , 48, 8337-8345	5.5	8
44	Coating and Functionalization of Carbon Fibres Using a Three-Step Plasma Treatment. <i>Plasma Processes and Polymers</i> , <b>2013</b> , 10, 1100-1109	3.4	8
43	Properties of bio-based polymer nylon 11 reinforced with short carbon fiber composites. <i>Polymer Composites</i> , <b>2015</b> , 36, 668-674	3	7
42	A simple and effective method to ameliorate the interfacial properties of cellulosic fibre based bio-composites using poly (ethylene glycol) based amphiphiles. <i>European Polymer Journal</i> , <b>2015</b> , 64, 70-78	5.2	7
41	Inspection of Drop-weight Impact Damage in Woven CFRP Laminates Fabricated by Different Processes. <i>Journal of Composite Materials</i> , <b>2009</b> , 43, 1939-1946	2.7	7
40	Analysis of the Effects of Atmospheric Helium Plasma Treatment on the Surface Structure of Jute Fibres and Resulting Composite Properties. <i>Journal of Adhesion Science and Technology</i> , <b>2009</b> , 23, 2109-2120		7
39	Large, Mesoporous Carbon Nanoparticles with Tunable Architectures for Energy Storage. <i>ACS Applied Nano Materials</i> , <b>2019</b> , 2, 1727-1736	5.6	6
38	Thermally flexible epoxy/cellulose blends mediated by an ionic liquid. <i>RSC Advances</i> , <b>2015</b> , 5, 52832-52837	3.7	6

37	Anisotropic compressive behaviour of turbostratic graphite in carbon fibre. <i>Applied Materials Today</i> , <b>2017</b> , 9, 196-203	6.6	6
36	A STUDY ON MECHANICAL BEHAVIOR OF FUNCTIONALLY-GRADED CARBON NANOTUBE-REINFORCED NANOCOMPOSITES. <i>International Journal of Computational Methods</i> , <b>2014</b> , 11, 1344003	1.1	6
35	Nanocomposites of poly(m-xylene diamide) with polyhedral oligomeric silsesquioxane, montmorillonite, and their combination: Structure and properties. <i>Polymer Engineering and Science</i> , <b>2012</b> , 52, 1402-1412	2.3	6
34	Functionally graded carbon nanofiber-phenolic nanocomposites for sudden temperature change applications. <i>Polymer</i> , <b>2013</b> , 54, 3940-3948	3.9	6
33	Finite element modelling of metallic tubular crash structures with an explicit code. <i>International Journal of Vehicle Safety</i> , <b>2006</b> , 1, 292	0.4	6
32	Graphene as a piezo-resistive coating to enable strain monitoring in glass fiber composites. <i>Composites Science and Technology</i> , <b>2021</b> , 211, 108842	8.6	6
31	Hydrogen bonding interactions in poly( $\epsilon$ -caprolactone- <i>l</i> -dimethyl siloxane- $\epsilon$ -caprolactone)/poly(hydroxyether of bisphenol A) triblock copolymer/homopolymer blends and the effect on crystallization, microphase separation and self-assembly. <i>European Polymer Journal</i> , <b>2015</b> , 67, 12-20	5.2	5
30	Effect of carbonization and multi-walled carbon nanotubes on polyacrylonitrile short carbon fiber - epoxy composites. <i>Polymer Composites</i> , <b>2018</b> , 39, E817-E825	3	5
29	Ageing of surface treated thermoplastic polyolefins. <i>Polymer Degradation and Stability</i> , <b>2013</b> , 98, 1699-1704	1.7	5
28	Hygrothermal effects on painted carbon fibre composite surfaces. <i>Journal of Composite Materials</i> , <b>2013</b> , 47, 539-547	2.7	5
27	Effect of drawing on the molecular orientation, polymorphism, and properties of melt-spun nanocomposite fibers based on nylon 6 with polyhedral oligomeric silsesquioxane, montmorillonite, and their combination. <i>Polymer Composites</i> , <b>2011</b> , 32, 604-614	3	5
26	Investigation of the postcure reaction and surface energy of epoxy resins using time-of-flight secondary ion mass spectrometry and contact-angle measurements. <i>Journal of Applied Polymer Science</i> , <b>2009</b> , 113, 2755-2764	2.9	5
25	Influence of Atmospheric Helium Plasma on the Surface Energy of Jute Fibres and the Performance of Resulting Composites. <i>Journal of Adhesion Science and Technology</i> , <b>2012</b> , 26, 151-162	2	5
24	An evaluation of the performance of advanced melded composite joints. <i>Composite Structures</i> , <b>2010</b> , 92, 2071-2076	5.3	5
23	Characterization of melded carbon fibre/epoxy laminates. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2007</b> , 38, 1860-1871	8.4	5
22	Structure-property relationships in nylon 6 nanocomposites based on octaphenyl-, dodecaphenyl-BOSS, montmorillonite, and their combinations. <i>Polymer Composites</i> , <b>2015</b> , 36, 153-160	3	4
21	Design and characterization of a plasma chamber for improved radial and axial film uniformity. <i>Plasma Processes and Polymers</i> , <b>2020</b> , 17, 2000017	3.4	4
20	Carbon Nexus at Deakin University: a globally unique carbon fiber and composite research facility in Australia. <i>Reinforced Plastics</i> , <b>2016</b> , 60, 396-400	0.9	4



19	Exploring molecular changes at the surface of polypropylene after accelerated thermomolecular adhesion treatments. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2010</b> , 2, 1505-13	9.5	4
18	Understanding Wettability Changes from Practical Plasma Functionalization of Carbon Nanotubes. <i>Nanoscience and Nanotechnology Letters</i> , <b>2013</b> , 4, 344-347	0.8	4
17	Wettability Investigation of UV/O3 and Acid Functionalized MWCNT and MWCNT/PMMA Nanocomposites by Contact Angle Measurement. <i>Journal of Nanomaterials</i> , <b>2015</b> , 2015, 1-12	3.2	3
16	Silver sulfide as a staining agent for scanning electron microscopy of nylon 6/MXD6 blends. <i>Polymer International</i> , <b>2009</b> , 58, 858-862	3.3	3
15	Investigation of Processing Conditions of Melded Parts to Determine Process Boundaries. <i>Materials and Manufacturing Processes</i> , <b>2007</b> , 22, 777-781	4.1	3
14	An experimental study of low velocity impact response in 2/2 twill weave composite laminates manufactured by a novel fabrication process. <i>Journal of Materials Science</i> , <b>2007</b> , 42, 232-238	4.3	3
13	<b>2014</b> ,		2
12	Measuring the Adhesion Force on Natural Fibre Surface Using Scanning Probe Microscopy. <i>Journal of Adhesion Science and Technology</i> , <b>2012</b> , 26, 175-187	2	2
11	Effect of Manufacturing Method and Aging Environment on Painted Automotive Carbon Fibre Composite Surfaces. <i>Applied Composite Materials</i> , <b>2013</b> , 20, 747-759	2	2
10	Tailoring specific properties of polymer-based composites by using graphene and its associated compounds. <i>International Journal of Smart and Nano Materials</i> , <b>2020</b> , 11, 173-189	3.6	2
9	Comparing the properties of commercially treated and air plasma treated carbon fibers. <i>Surface and Coatings Technology</i> , <b>2021</b> , 408, 126751	4.4	2
8	Rheology, dispersion, and cure kinetics of epoxy filled with amine- and non-functionalized reduced graphene oxide for composite manufacturing. <i>Journal of Applied Polymer Science</i> ,	2.9	2
7	The Surface Finish of Thermally Aged Carbon Fibre Reinforced Composites Using E-glass as a Surface Barrier. <i>Applied Composite Materials</i> , <b>2015</b> , 22, 573-582	2	1
6	Investigating strain transfer in polymer coated structures for the health monitoring of aerospace vehicles using polymer photonic waveguides <b>2014</b> ,		1
5	Physical and Chemical Heterogeneity of Carbon Fibre <b>2013</b> , 3339-3345		
4	Methyl 3-[4-(4-nitro-benz-yloxy)phen-yl]propano-ate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2012</b> , 68, o1997-8		
3	Thermal Properties of Epoxy/Block Copolymer Blends <b>2016</b> , 1-25		
2	Thermal Properties of Epoxy/Block-Copolymer Blends <b>2017</b> , 1041-1065		

- 1 Physical and Chemical Heterogeneity of Carbon Fibre **2013**, 3339-3345