Chris D Rudd

List of Publications by Year
in descending order

162 papers	5,683 citations	61984 43 h-index	106344 65 g-index
163 all docs	163 docs citations	163 times ranked	3883 citing authors

#	Article	IF	Citations
1	Corrosion resistance of zincâ€"magnesium coated steel. Corrosion Science, 2007, 49, 3669-3695.	6.6	321
2	A fluidised-bed process for the recovery of glass fibres from scrap thermoset composites. Composites Science and Technology, 2000, 60, 509-523.	7.8	287
3	Analysis of the vacuum infusion moulding process: I. Analytical formulation. Composites Part A: Applied Science and Manufacturing, 2005, 36, 1645-1656.	7.6	165
4	Characterisation of carbon fibres recycled from scrap composites using fluidised bed process. Plastics, Rubber and Composites, 2002, 31, 278-282.	2.0	139
5	Microwave heating as a means for carbon fibre recovery from polymer composites: a technical feasibility study. Materials Research Bulletin, 2004, 39, 1549-1556.	5.2	120
6	Recycled carbon fibre reinforced polymer composite for electromagnetic interference shielding. Composites Part A: Applied Science and Manufacturing, 2010, 41, 693-702.	7.6	111
7	Physico-chemical and mechanical properties of nanocomposites prepared using cellulose nanowhiskers and poly(lactic acid). Journal of Materials Science, 2012, 47, 2675-2686.	3.7	111
8	Compression moulding of glass and polypropylene composites for optimised macro- and micro-mechanical propertiesâ€"1 commingled glass and polypropylene. Composites Science and Technology, 1998, 58, 1879-1898.	7.8	109
9	The characterisation and reuse of glass fibres recycled from scrap composites by the action of a fluidised bed process. Composites Part A: Applied Science and Manufacturing, 1998, 29, 839-845.	7.6	106
10	A Simulation of Reinforcement Deformation during the Production of Preforms for Liquid Moulding Processes. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 1994, 208, 269-278.	2.4	101
11	Preparation of poly(Îµ-caprolactone)/continuous bioglass fibre composite using monomer transfer moulding for bone implant. Biomaterials, 2005, 26, 2281-2288.	11.4	97
12	Surface characterisation of carbon fibre recycled using fluidised bed. Applied Surface Science, 2008, 254, 2588-2593.	6.1	96
13	Development of fire retardancy of natural fiber composite encouraged by a synergy between zinc borate and ammonium polyphosphate. Composites Part B: Engineering, 2019, 159, 165-172.	12.0	84
14	Experimental characterisation of the consolidation of a commingled glass/polypropylene composite. Composites Science and Technology, 2001, 61, 1591-1603.	7.8	83
15	Weight loss, ion release and initial mechanical properties of a binary calcium phosphate glass fibre/PCL composite. Acta Biomaterialia, 2008, 4, 1307-1314.	8.3	82
16	Physical and biocompatibility properties of poly-Îµ-caprolactone produced using in situ polymerisation: a novel manufacturing technique for long-fibre composite materials. Biomaterials, 2000, 21, 713-724.	11.4	81
17	Comparisons of novel and efficient approaches for permeability prediction based on the fabric architecture. Composites Part A: Applied Science and Manufacturing, 2006, 37, 847-857.	7.6	80
18	Retention of mechanical properties and cytocompatibility of a phosphateâ€based glass fiber/polylactic acid composite. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2009, 89B, 18-27.	3.4	78

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19	Mechanical properties of weft knit glass fibre/polyester laminates. Composites Science and Technology, 1990, 39, 261-277.	7.8	77
20	The effect of shear deformation on the processing and mechanical properties of aligned reinforcements. Composites Science and Technology, 1997, 57, 327-344.	7.8	67
21	Use of Resin Transfer Molding Simulation to Predict Flow, Saturation, and Compaction in the VARTM Process. Journal of Fluids Engineering, Transactions of the ASME, 2004, 126, 210-215.	1.5	67
22	Phosphate Glass Fibre Composites for Bone Repair. Journal of Bionic Engineering, 2009, 6, 318-323.	5.0	62
23	Composites for bone repair: phosphate glass fibre reinforced PLA with varying fibre architecture. Journal of Materials Science: Materials in Medicine, 2011, 22, 1825-1834.	3.6	62
24	Investigation of Crystallinity, Molecular Weight Change, and Mechanical Properties of PLA/PBG Bioresorbable Composites as Bone Fracture Fixation Plates. Journal of Biomaterials Applications, 2012, 26, 765-789.	2.4	61
25	Characterizing the processing and performance of aligned reinforcements during preform manufacture. Composites Part A: Applied Science and Manufacturing, 1996, 27, 247-253.	7.6	60
26	Cytocompatibility and Effect of Increasing MgO Content in a Range of Quaternary Invert Phosphate-based Glasses. Journal of Biomaterials Applications, 2010, 24, 555-575.	2.4	59
27	Mechanical, crystallisation and moisture absorption properties of melt drawn polylactic acid fibres. European Polymer Journal, 2014, 53, 270-281.	5.4	59
28	Composites recycling solutions for the aviation industry. Science China Technological Sciences, 2017, 60, 1291-1300.	4.0	59
29	Characterization of the resin transfer moulding process. Composites Manufacturing, 1992, 3, 235-249.	0.2	58
30	Active control of the vacuum infusion process. Composites Part A: Applied Science and Manufacturing, 2007, 38, 1271-1287.	7.6	53
31	In vitro degradation, flexural, compressive and shear properties of fully bioresorbable composite rods. Journal of the Mechanical Behavior of Biomedical Materials, 2011, 4, 1462-1472.	3.1	53
32	Synthesis, degradation, andin vitro cell responses of sodium phosphate glasses for craniofacial bone repair. Journal of Biomedical Materials Research Part B, 2002, 59, 481-489.	3.1	52
33	Effect of Boron Addition on the Thermal, Degradation, and Cytocompatibility Properties of Phosphate-Based Glasses. BioMed Research International, 2013, 2013, 1-12.	1.9	50
34	Effect of Cellulose Nanowhiskers on Surface Morphology, Mechanical Properties, and Cell Adhesion of Melt-Drawn Polylactic Acid Fibers. Biomacromolecules, 2014, 15, 1498-1506.	5.4	50
35	Characterisation of random carbon fibre composites from a directed fibre preforming process: Analysis of microstructural parameters. Composites Part A: Applied Science and Manufacturing, 2006, 37, 2136-2147.	7.6	49
36	Characterisation of random carbon fibre composites from a directed fibre preforming process: The effect of fibre length. Composites Part A: Applied Science and Manufacturing, 2006, 37, 1863-1878.	7.6	49

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37	A constituent-based predictive approach to modelling the rheology of viscous textile composites. Composites Part A: Applied Science and Manufacturing, 2004, 35, 915-931.	7.6	48
38	Compression moulding of glass and polypropylene composites for optimised macro- and micro-mechanical properties II. Glass-mat-reinforced thermoplastics. Composites Science and Technology, 1999, 59, 709-726.	7.8	46
39	The effect of interlaminar toughening strategies on the energy absorption of composite tubes. Composites Part A: Applied Science and Manufacturing, 2004, 35, 431-437.	7.6	46
40	Soft ionisation analysis of evolved gas for oxidative decomposition of an epoxy resin/carbon fibre composite. Thermochimica Acta, 2007, 454, 109-115.	2.7	46
41	Accelerated in vitro degradation properties of polylactic acid/phosphate glass fibre composites. Journal of Materials Science, 2015, 50, 3942-3955.	3.7	46
42	Characterisation of random carbon fibre composites from a directed fibre preforming process: The effect of tow filamentisation. Composites Part A: Applied Science and Manufacturing, 2007, 38, 755-770.	7.6	45
43	Effect of boron oxide addition on fibre drawing, mechanical properties and dissolution behaviour of phosphate-based glass fibres with fixed 40, 45 and 50â€‰mol% P₂O₅. Journal of Biomaterials Applications, 2014, 29, 639-653.	2.4	45
44	Effect of resin properties and processing parameters on crash energy absorbing composite structures made by RTM. Composites Part A: Applied Science and Manufacturing, 2003, 34, 543-550.	7.6	44
45	Vibration transmission and power flow of laminated composite plates with inerter-based suppression configurations. International Journal of Mechanical Sciences, 2021, 190, 106012.	6.7	43
46	Automatically generated geometric descriptions of textile and composite unit cells. Composites Part A: Applied Science and Manufacturing, 2003, 34, 303-312.	7.6	42
47	Synthesis and degradation of sodium iron phosphate glasses and theirin vitro cell response. Journal of Biomedical Materials Research Part B, 2004, 71A, 283-291.	3.1	42
48	Structure, thermal properties, dissolution behaviour and biomedical applications of phosphate glasses and fibres: a review. Journal of Materials Science, 2017, 52, 8733-8760.	3.7	40
49	Influence of stochastic fibre angle variations on the permeability of bi-directional textile fabrics. Composites Part A: Applied Science and Manufacturing, 2006, 37, 122-132.	7.6	37
50	Tow placement studies for liquid composite moulding. Composites Part A: Applied Science and Manufacturing, 1999, 30, 1105-1121.	7.6	36
51	Interfacial properties of phosphate glass fibres/PLA composites: Effect of the end functionalities of oligomeric PLA coupling agents. Composites Science and Technology, 2010, 70, 1854-1860.	7.8	36
52	On vibration transmission in oscillating systems incorporating bilinear stiffness and damping elements. International Journal of Mechanical Sciences, 2019, 150, 458-470.	6.7	36
53	Influence of compatibilizing agent molecular structure on the mechanical properties of phosphate glass fiberâ€reinforced PLA composites. Journal of Polymer Science Part A, 2010, 48, 3082-3094.	2.3	35
54	Characterisation of thermoset laminates for cosmetic automotive applications: Part III â€“ Shrinkage control via nanoscale reinforcement. Composites Part A: Applied Science and Manufacturing, 2006, 37, 1757-1772.	7.6	34

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55	Initial development into a novel technique for manufacturing a long fibre thermoplastic bioabsorbable composite: in-situ polymerisation of poly-Ïµ-caprolactone. Composites Part A: Applied Science and Manufacturing, 1999, 30, 737-746.	7.6	32
56	Monomer transfer moulding and rapid prototyping methods for fibre reinforced thermoplastics for medical applications. Composites Part A: Applied Science and Manufacturing, 2001, 32, 969-976.	7.6	32
57	Cytocompatibility, mechanical and dissolution properties of high strength boron and iron oxide phosphate glass fibre reinforced bioresorbable composites. Journal of the Mechanical Behavior of Biomedical Materials, 2016, 59, 41-56.	3.1	32
58	Towards a Manufacturing Technology for High-Volume Production of Composite Components. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 1992, 206, 77-91.	2.4	30
59	In-plane permeability determination for simulation of liquid composite molding of complex shapes. Polymer Composites, 1996, 17, 52-59.	4.6	30
60	Properties of sodium-based ternary phosphate glasses produced from readily available phosphate salts. Journal of Non-Crystalline Solids, 2006, 352, 5309-5317.	3.1	30
61	Effect of Si and Fe doping on calcium phosphate glass fibre reinforced polycaprolactone bone analogous composites. Acta Biomaterialia, 2012, 8, 1616-1626.	8.3	30
62	Preparation of highly electrically conductive carbon-fiber composites with high interlaminar fracture toughness by using silver-plated interleaves. Composites Science and Technology, 2019, 176, 29-36.	7.8	30
63	Mimicking Bone Structure and Function with Structural Composite Materials. Journal of Bionic Engineering, 2010, 7, S1-S10.	5.0	29
64	Cytocompatibility, degradation, mechanical property retention and ion release profiles for phosphate glass fibre reinforced composite rods. Materials Science and Engineering C, 2013, 33, 1914-1924.	7.3	29
65	Characterisation of thermoset laminates for cosmetic automotive applications: Part I â€“ Surface characterisation. Composites Part A: Applied Science and Manufacturing, 2006, 37, 1734-1746.	7.6	28
66	Surface treatment of phosphate glass fibers using 2â€hydroxyethyl methacrylate: Fabrication of poly(caprolactone)â€based composites. Journal of Applied Polymer Science, 2009, 111, 246-254.	2.6	28
67	High cellulose nanowhisker content composites through cellosize bonding. Soft Matter, 2012, 8, 12099.	2.7	28
68	Bioresorbable screws reinforced with phosphate glass fibre: Manufacturing and mechanical property characterisation. Journal of the Mechanical Behavior of Biomedical Materials, 2013, 17, 76-88.	3.1	28
69	Compression moulding of glass and polypropylene composites for optimised macro- and micro-mechanical properties. 4: Technology demonstratorÂâ€" a door cassette structure. Composites Science and Technology, 2000, 60, 1901-1918.	7.8	27
70	Low-cost carbon-fibre-based automotive body panel systems: A performance and manufacturing cost comparison. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2008, 222, 53-63.	1.9	27
71	Analysis of pressure profile and flow progression in the vacuum infusion process. Composites Science and Technology, 2009, 69, 1458-1464.	7.8	27
72	Effect of phosphate-based glass fibre surface properties on thermally produced poly(lactic acid) matrix composites. Journal of Materials Science: Materials in Medicine, 2011, 22, 2659-2672.	3.6	27

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73	Effects of fibre architecture on reinforcement fabric deformation. Plastics, Rubber and Composites, 2002, 31, 87-97.	2.0	25
74	Modulation of polycaprolactone composite properties through incorporation of mixed phosphate glass formulations. Acta Biomaterialia, 2010, 6, 3157-3168.	8.3	23
75	Investigating the use of coupling agents to improve the interfacial properties between a resorbable phosphate glass and polylactic acid matrix. Journal of Biomaterials Applications, 2013, 28, 354-366.	2.4	23
76	Structural, thermal and dissolution properties of MgO- and CaO-containing borophosphate glasses: effect of Fe2O3 addition. Journal of Materials Science, 2017, 52, 7489-7502.	3.7	23
77	Recovery of Carbon Fibre from Waste Prepreg via Microwave Pyrolysis. Polymers, 2021, 13, 1231.	4.5	23
78	Comprehensive investigation of reclaimed carbon fibre reinforced polyamide (rCF/PA) filaments and FDM printed composites. Composites Part B: Engineering, 2022, 233, 109646.	12.0	23
79	Microwave assisted resin transfer moulding. Composites Part A: Applied Science and Manufacturing, 1998, 29, 71-86.	7.6	22
80	Constitutive modelling of impregnated continuous fibre reinforced composites Micromechanical approach. Plastics, Rubber and Composites, 2002, 31, 76-86.	2.0	22
81	Effects of aqueous aging on the mechanical properties of P40Na20Ca16Mg24 phosphate glass fibres. Journal of Materials Science, 2008, 43, 4834-4839.	3.7	22
82	Initial mechanical properties of phosphate-glass fibre-reinforced rods for use as resorbable intramedullary nails. Journal of Materials Science, 2012, 47, 4884-4894.	3.7	22
83	Influence of screw holes and gamma sterilization on properties of phosphate glass fiber-reinforced composite bone plates. Journal of Biomaterials Applications, 2013, 27, 990-1002.	2.4	22
84	Structure, viscosity and fibre drawing properties of phosphate-based glasses: effect of boron and iron oxide addition. Journal of Materials Science, 2016, 51, 7523-7535.	3.7	22
85	Flow and cure phenomena in liquid composite molding. Polymer Composites, 1994, 15, 334-348.	4.6	21
86	Processing and mechanical properties of bi-directional preforms for liquid composite moulding. Composites Manufacturing, 1995, 6, 211-219.	0.2	21
87	Experimental studies of embroidery for the local reinforcement of composites structures 1. Stress concentrations. Composites Science and Technology, 1999, 59, 2125-2137.	7.8	21
88	Glass forming region and physical properties in the system P2O5-Na2Oâ€"Fe2O3. Journal of Non-Crystalline Solids, 2008, 354, 4661-4667.	3.1	21
89	Preparation and Characterization of Phosphate Glass Fibers and Fabrication of Poly(caprolactone) Matrix Resorbable Composites. Journal of Reinforced Plastics and Composites, 2010, 29, 1838-1850.	3.1	21
90	Effect of Iron Phosphate Glass on the Physico-mechanical Properties of Jute Fabric-reinforced Polypropylene-based Composites. Journal of Thermoplastic Composite Materials, 2011, 24, 695-711.	4.2	21

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91	Bioresorbable composite screws manufactured via forging process: Pull-out, shear, flexural and degradation characteristics. Journal of the Mechanical Behavior of Biomedical Materials, 2013, 18, 108-122.	3.1	21
92	Degradation properties and microstructural analysis of 40P2O5â€"24MgOâ€"16CaOâ€"16Na2Oâ€"4Fe2O3 phosphate glass fibres. Journal of Non-Crystalline Solids, 2013, 375, 99-109.	3.1	21
93	The effect of cellulose nanowhiskers on the flexural properties of self-reinforced polylactic acid composites. Reactive and Functional Polymers, 2014, 85, 193-200.	4.1	21
94	On vibration transmission between interactive oscillators with nonlinear coupling interface. International Journal of Mechanical Sciences, 2018, 137, 238-251.	6.7	21
95	Material characterization for flow modeling in structural reaction injection molding. Polymer Composites, 1996, 17, 124-135.	4.6	20
96	Fibre reinforcement for high volume resin transfer moulding (rtm). Composites Manufacturing, 1990, 1, 74-78.	0.2	19
97	Compression moulding of glass and polypropylene composites for optimised macro- and micro-mechanical properties 3. Sandwich structures of GMTS and commingled fabrics. Composites Science and Technology, 1999, 59, 1153-1167.	7.8	19
98	Structural, thermal, in vitro degradation and cytocompatibility properties of P2O5-B2O3-CaO-MgO-Na2O-Fe2O3 glasses. Journal of Non-Crystalline Solids, 2017, 457, 77-85.	3.1	19
99	Cycle time reduction in resin transfer moulding by phased catalyst injection. Composites Science and Technology, 1996, 56, 123-133.	7.8	17
100	Mechanistic study of Sn(Oct)₂â€catalyzed Îµâ€caprolactone polymerization using Sn(Oct)₂/BF₃ dual catalyst. Journal of Applied Polymer Science, 2009, 114, 658-662.	2.6	17
101	Analysis of calvarial bone defects in rats using microcomputed tomography: potential for a novel composite material and a new quantitative measurement. British Journal of Oral and Maxillofacial Surgery, 2009, 47, 616-621.	0.8	17
102	Effectiveness of 3-Aminopropyl-Triethoxy-Silane as a Coupling Agent for Phosphate Glass Fiber-Reinforced Poly(caprolactone)-based Composites for Fracture Fixation Devices. Journal of Thermoplastic Composite Materials, 2011, 24, 517-534.	4.2	17
103	In-situ polymerisation of fully bioresorbable polycaprolactone/phosphate glass fibre composites: In vitro degradation and mechanical properties. Journal of the Mechanical Behavior of Biomedical Materials, 2016, 59, 78-89.	3.1	17
104	Effects of process variables on cycle time during resin transfer moulding for high volume manufacture. Materials Science and Technology, 1990, 6, 656-665.	1.6	16
105	Modelling the processing and performance of preforms for liquid moulding processes. Composites Manufacturing, 1994, 5, 177-186.	0.2	16
106	Novel bioresorbable phosphate glass fiber textile composites for medical applications. Polymer Composites, 2018, 39, E140.	4.6	16
107	Recycled Carbon Fibers (rCF) in Automobiles: Towards Circular Economy. Materials Circular Economy, 2020, 2, 1.	3.2	16
108	Real-time dissolution of P40Na20Ca16Mg24 phosphate glass fibers. Journal of Non-Crystalline Solids, 2009, 355, 2514-2521.	3.1	15

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109	Neutron scattering andab initiomolecular dynamics study of cross-linking in biomedical phosphate glasses. Journal of Physics Condensed Matter, 2010, 22, 485403.	1.8	15
110	Effect of boron oxide addition on the viscosityâ€temperature behaviour and structure of phosphateâ€based glasses. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2017, 105, 764-777.	3.4	15
111	Development of highly electrically conductive composites for aeronautical applications utilizing bi-functional composite interleaves. Aerospace Science and Technology, 2020, 98, 105669.	4.8	15
112	Vibration transmission and energy flow analysis of L-shaped laminated composite structure based on a substructure method. Thin-Walled Structures, 2021, 169, 108375.	5.3	15
113	Impact properties of compression moulded commingled E-glassâ€"polypropylene composites. Plastics, Rubber and Composites, 2002, 31, 270-277.	2.0	14
114	Effects of Fe2O3 addition and annealing on the mechanical and dissolution properties of MgO-and CaO-containing phosphate glass fibres for bio-applications. Biomedical Glasses, 2018, 4, 57-71.	2.4	14
115	Production and characterisation of novel phosphate glass fibre yarns, textiles, and textile composites for biomedical applications. Journal of the Mechanical Behavior of Biomedical Materials, 2019, 99, 47-55.	3.1	14
116	The influence of processing variables on the energy absorption of composite tubes. Composites Part A: Applied Science and Manufacturing, 2005, 36, 1291-1299.	7.6	13
117	Surface quality prediction of thermoset composite structures using geometric simulation tools. Plastics, Rubber and Composites, 2007, 36, 428-437.	2.0	13
118	Water absorption properties of phosphate glass fiberâ€reinforced polyâ€Ïµâ€caprolactone composites for craniofacial bone repair. Journal of Applied Polymer Science, 2008, 107, 3750-3755.	2.6	13
119	Mechanical, degradation and cytocompatibility properties of magnesium coated phosphate glass fibre reinforced polycaprolactone composites. Journal of Biomaterials Applications, 2014, 29, 675-687.	2.4	13
120	The development of an integrated process model for liquid composite moulding. Composites Part A: Applied Science and Manufacturing, 1998, 29, 847-854.	7.6	12
121	Modelling the post treatment process of model implants prepared by in situ polymerized poly(Îµ-caprolactone) using a BF3â€"glycerol catalyst system. Polymer, 2003, 44, 1809-1818.	3.8	12
122	Investigation of pressure profile and flow progression in vacuum infusion process. Plastics, Rubber and Composites, 2007, 36, 101-110.	2.0	12
123	Fire performance of sandwich composites with intumescent mat protection: Evolving thermal insulation, post-fire performance and rail industry testing. Fire Safety Journal, 2020, 116, 103205.	3.1	12
124	Additive-Manufactured Gyroid Scaffolds of Magnesium Oxide, Phosphate Glass Fiber and Polylactic Acid Composite for Bone Tissue Engineering. Polymers, 2021, 13, 270.	4.5	12
125	The effect of production regime and crucible materials on the thermal properties of sodium phosphate glasses produced from salts. Journal of Biomedical Materials Research Part B, 2004, 71B, 22-29.	3.1	11
126	XPS identification of surface-initiated polymerisation during monomer transfer moulding of poly(É›-caprolactone)/BioglassÂ® fibre composite. Applied Surface Science, 2005, 252, 1854-1862.	6.1	11

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127	Repair of calvarial defects in rats by prefabricated, degradable, long fibre composite implants. Journal of Biomedical Materials Research - Part A, 2011, 96A, 230-238.	4.0	11
128	Characterisation of thermoset laminates for cosmetic automotive applications: Part II â€“ Cure and residual volatile assessment. Composites Part A: Applied Science and Manufacturing, 2006, 37, 1747-1756.	7.6	10
129	Effects of fibre size formulations on the mechanical properties of unidirectional reinforced glass fibre/polyester resin laminates. Journal of Materials Science Letters, 1995, 14, 942-947.	0.5	9
130	Effect of resin formulation on crash energy absorbing composite structures made by RTM. Plastics, Rubber and Composites, 2002, 31, 49-57.	2.0	9
131	Degradation and Interfacial Properties of Iron Phosphate Glass Fiber-Reinforced PCL-Based Composite for Synthetic Bone Replacement Materials. Polymer-Plastics Technology and Engineering, 2010, 49, 1265-1274.	1.9	9
132	The effect of intumescent mat on post-fire performance of carbon fibre reinforced composites. Journal of Fire Sciences, 2019, 37, 257-272.	2.0	9
133	Interfacial Properties of Phosphate Glass Fiber/Poly(caprolactone) System Measured Using the Single Fiber Fragmentation Test. Composite Interfaces, 2011, 18, 77-90.	2.3	8
134	Magnesium Coated Bioresorbable Phosphate Glass Fibres: Investigation of the Interface between Fibre and Polyester Matrices. BioMed Research International, 2013, 2013, 1-10.	1.9	8
135	Effects of post-cure on the interfacial properties of glass fibre-urethane methacrylate composites. Journal of Materials Science Letters, 1993, 12, 894-897.	0.5	7
136	Cycle Time Reductions in Resin Transfer Moulding Using Microwave Preheating. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 1995, 209, 443-453.	2.4	7
137	Geometric modelling of textiles for prediction of composite processing and performance characteristics. Plastics, Rubber and Composites, 2002, 31, 66-75.	2.0	7
138	Mechanistic study of boron trifluoride catalyzed É›-caprolactone polymerization in the presence of glycerol. Journal of Applied Polymer Science, 2006, 102, 3900-3906.	2.6	6
139	Chitosan as a Coupling Agent for Phosphate Glass Fibre/Polycaprolactone Composites. Fibers, 2018, 6, 97.	4.0	6
140	The effects of microcrystalline cellulose on the flammability and thermal behaviours of flame retarded natural fibre epoxy composite. World Journal of Engineering, 2019, 16, 363-367.	1.6	6
141	Effects of ZnO addition on thermal properties, degradation and biocompatibility of P45Mg24Ca16Na(15âˆ'x)Znx glasses. Biomedical Glasses, 2019, 5, 53-66.	2.4	6
142	Study on Toughness Improvement of a Rosin-Sourced Epoxy Matrix Composite for Green Aerospace Application. Journal of Composites Science, 2020, 4, 168.	3.0	6
143	Magnesium coated phosphate glass fibers for unidirectional reinforcement of polycaprolactone composites. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2015, 103, 1424-1432.	3.4	5
144	Modeling changes in the modulus of poly(Îµâ€caprolactone) due to hydrolysis and plasticization. Journal of Applied Polymer Science, 2008, 107, 3484-3490.	2.6	4

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145	Time-dependent degradation behaviour of phosphate glass fibre reinforced composites with different fibre architecture. Mechanics of Time-Dependent Materials, 2021, 25, 663-678.	4.4	4
146	Processing and characterization of phosphate glass fiber/polylactic acid commingled yarn composites for commercial production. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2021, 109, 990-1004.	3.4	3
147	A Conceptional Approach of Resin-Transfer-Molding to Rosin-Sourced Epoxy Matrix Green Composites. Aerospace, 2021, 8, 5.	2.2	3
148	The effects of compaction and interleaving on through-thickness electrical resistance and in-plane mechanical properties for CFRP laminates. Composites Science and Technology, 2022, 223, 109441.	7.8	3
149	Electrochemical effects during thermoset moulding. Journal of Materials Science, 1991, 26, 1259-1265.	3.7	2
150	Boron trifluoride-catalyzed degradation of poly-É›-caprolactone at ambient temperature. Polymer Degradation and Stability, 2009, 94, 1515-1519.	5.8	2
151	Laminate Temperature Distributions and Filling Tine Prediction during Non-Isothermal Impregnation of Fibre Preforms. Journal of Reinforced Plastics and Composites, 1995, 14, 1069-1080.	3.1	1
152	Design, Processing and Performance of Structural Preforms. Materials and Manufacturing Processes, 1995, 10, 89-102.	4.7	1
153	Use of Resin Transfer Molding Simulation to Predict Flow, Saturation and Compaction in the VARTM Process. , 2002, , 61.		1
154	Fabrication Effects on Properties of Composites for Medical Applications: 1. Composite Preparation and Characterization. Journal of Reinforced Plastics and Composites, 2010, 29, 112-122.	3.1	1
155	Multi-Response Parameters Optimisation for Energy-Efficient Injection Moulding Process via Dynamic Shainin DOE Method. Key Engineering Materials, 0, 554-557, 1669-1682.	0.4	1
156	Permeability prediction for industrial preforms. Plastics, Rubber and Composites, 2002, 31, 238-248.	2.0	0
157	Preparation and characterization of degradation tunable poly(Îµâ€caprolactone) using a Sn(Oct)₂/BF₃ dual catalyst. Journal of Applied Polymer Science, 2008, 110, 3733-3736.	2.6	0
158	Global knowledge exchange and the low carbon economy. , 2010, , .		0
159	Fabrication Effects on Properties of Composites for Medical Applications: 2 - Retention of Composite Mechanical Properties. Journal of Reinforced Plastics and Composites, 2010, 29, 1804-1813.	3.1	0
160	Investigation on the thermal properties, density and degradation of quaternary iron and titanium phosphate based glasses. IOP Conference Series: Materials Science and Engineering, 2016, 114, 012124.	0.6	0
161	Biocomposites: Natural and Synthetic Fibers. , 0, , 585-601.		0
162	Influence of microstructural voids on the mechanical and impact properties in commingled E-glass/polypropylene thermoplastic composites. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2002, 216, 85-100.	1.1	0