Alexander Bismarck

List of Publications by Year
in descending order

325	20,816	9234 74	14156 128
papers	citations	h-index	g-index

336	336	336	18139
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Morphology and properties of foamed high crystallinity<scp>PEEK</scp>prepared by high temperature thermally induced phase separation. Journal of Applied Polymer Science, 2022, 139, 51423.	1.3	10
2	Towards separator-free structural composite supercapacitors. Composites Science and Technology, 2022, 217, 109126.	3.8	17
3	Polymerised high internal phase emulsion micromixers for continuous emulsification. Chemical Engineering Science, 2022, 252, 117296.	1.9	5
4	Permeable emulsion-templated porous polyepoxides. Polymer, 2022, 240, 124476.	1.8	4
5	High-<i>k</i> dielectric screen-printed inks for mechanical energy harvesting devices. Materials Advances, 2022, 3, 1780-1790.	2.6	5
6	Towards robust synchronous belts: influence of surface characteristics on interfacial adhesion. Composite Interfaces, 2022, 29, 1145-1159.	1.3	1
7	Assessing shear, tensile and fracture properties of macroporous nanocomposites using the Arcan test. Polymer Testing, 2022, 107, 107490.	2.3	5
8	Carbon nanotube enhanced carbon Fibre-Poly(ether ether ketone) interfaces in model hierarchical composites. Composites Science and Technology, 2022, 221, 109327.	3.8	14
9	Investigations on sub-structures within cavities of surface imprinted polymers using AFM and PF-QNM. Soft Matter, 2022, 18, 2245-2251.	1.2	14
10	Hierarchical carbon fibre composites incorporating high loadings of carbon nanotubes. Composites Science and Technology, 2022, 222, 109369.	3.8	7
11	An approach for the scalable production of macroporous polymer beads. Journal of Colloid and Interface Science, 2022, 616, 834-845.	5.0	6
12	Structural Batteries for Aeronautic Applicationsâ€"State of the Art, Research Gaps and Technology Development Needs. Aerospace, 2022, 9, 7.	1.1	21
13	Environmental life cycle assessment of nano-cellulose and biogas production from manure. Journal of Environmental Management, 2022, 314, 115093.	3.8	12
14	Wettability of carbon nanotube-grafted carbon fibers and their interfacial properties in polypropylene thermoplastic composite. Composites Part A: Applied Science and Manufacturing, 2022, 159, 106993.	3.8	13
15	Repurposing Fischer-Tropsch and natural gas as bridging technologies for the energy revolution. Energy Conversion and Management, 2022, 267, 115882.	4.4	17
16	Fungal chitin-glucan nanopapers with heavy metal adsorption properties for ultrafiltration of organic solvents and water. Carbohydrate Polymers, 2021, 253, 117273.	5.1	43
17	Bacterial nanocellulose papers with high porosity for optimized permeance and rejection of nm-sized pollutants. Carbohydrate Polymers, 2021, 251, 117130.	5.1	19
18	Additive Manufactured Carbon Nanotube/Epoxy Nanocomposites for Heavy-Duty Applications. ACS Applied Polymer Materials, 2021, 3, 93-97.	2.0	13

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19	Solid epoxy resin systems for automated composite manufacturing. Composites Part A: Applied Science and Manufacturing, 2021, 142, 106205.	3.8	4
20	Leather-like material biofabrication using fungi. Nature Sustainability, 2021, 4, 9-16.	11.5	92
21	Grow it yourself composites: delignification and hybridisation of lignocellulosic material using animals and fungi. Green Chemistry, 2021, 23, 7506-7514.	4.6	4
22	Emulsion-templated flexible epoxy foams. Polymer, 2021, 215, 123380.	1.8	5
23	High-Velocity Stretching of Renewable Polymer Blends. Journal of Polymers and the Environment, 2021, 29, 3509-3524.	2.4	2
24	Recent progress of 3D printed continuous fiber reinforced polymer composites based on fused deposition modeling: a review. Journal of Materials Science, 2021, 56, 12999.	1.7	44
25	Influence of biological origin on the tensile properties of cellulose nanopapers. Cellulose, 2021, 28, 6619.	2.4	27
26	A perspective: Is viscosity the key to open the next door for foam templating?. Reactive and Functional Polymers, 2021, 162, 104877.	2.0	8
27	Emulsion-Templated Macroporous Polymer Micromixers. Industrial & Engineering Chemistry Research, 2021, 60, 14013-14025.	1.8	9
28	On the BET Surface Area of Nanocellulose Determined Using Volumetric, Gravimetric and Chromatographic Adsorption Methods. Frontiers in Chemical Engineering, 2021, 3, .	1.3	18
29	Interfacial Adhesion and Mechanical Properties of Wood-Polymer Hybrid Composites Prepared by Injection Molding. Polymers, 2021, 13, .	2.0	2
30	Excellence in Excrements: Upcycling of Herbivore Manure into Nanocellulose and Biogas. ACS Sustainable Chemistry and Engineering, 2021, 9, 15506-15513.	3.2	12
31	Interfacial Adhesion and Mechanical Properties of Wood-Polymer Hybrid Composites Prepared by Injection Molding. Polymers, 2021, 13, 2849.	2.0	11
32	Nanomaterials Derived from Fungal Sourcesâ€"Is It the New Hype?. Biomacromolecules, 2020, 21, 30-55.	2.6	68
33	Mushroom-derived chitosan-glucan nanopaper filters for the treatment of water. Reactive and Functional Polymers, 2020, 146, 104428.	2.0	35
34	High-velocity stretching of polyolefin tapes. Polymer Testing, 2020, 81, 106228.	2.3	6
35	Engineered mycelium composite construction materials from fungal biorefineries: A critical review. Materials and Design, 2020, 187, 108397.	3.3	236
36	Emulsion templated resilient macroporous elastomers. Polymer, 2020, 186, 122023.	1.8	12

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37	Effect of Plasma-Treatment of Interleaved Thermoplastic Films on Delamination in Interlayer Fibre Hybrid Composite Laminates. Polymers, 2020, 12, 2834.	2.0	8
38	Highâ€Performance Polymer Foams by Thermally Induced Phase Separation. Macromolecular Rapid Communications, 2020, 41, e2000110.	2.0	15
39	Influence of the Î±-relaxation on the high-velocity stretchability of isotactic polypropylene. Polymer, 2020, 200, 122593.	1.8	6
40	Plastic to elastic: Fungi-derived composite nanopapers with tunable tensile properties. Composites Science and Technology, 2020, 198, 108327.	3.8	26
41	High porosity cellulose nanopapers as reinforcement in multi-layer epoxy laminates. Composites Part A: Applied Science and Manufacturing, 2020, 131, 105779.	3.8	22
42	Surface properties of chitin-glucan nanopapers from Agaricus bisporus. International Journal of Biological Macromolecules, 2020, 148, 677-687.	3.6	28
43	Crab vs. Mushroom: A Review of Crustacean and Fungal Chitin in Wound Treatment. Marine Drugs, 2020, 18, 64.	2.2	106
44	Stretchable Polymerized High Internal Phase Emulsion Separators for High Performance Soft Batteries. Advanced Energy Materials, 2020, 10, 2000467.	10.2	15
45	An integrated method for measuring gas permeability and diffusivity of porous solids. Chemical Engineering Science, 2020, 223, 115725.	1.9	5
46	Foam Templating: A Greener Route to Porous Polymers. ACS Symposium Series, 2020, , 99-118.	0.5	0
47	Mechanical and physical performance of carbon aerogel reinforced carbon fibre hierarchical composites. Composites Science and Technology, 2019, 182, 107720.	3.8	23
48	Waste-Derived Low-Cost Mycelium Nanopapers with Tunable Mechanical and Surface Properties. Biomacromolecules, 2019, 20, 3513-3523.	2.6	51
49	The influence of crystallization conditions on the macromolecular structure and strength of Î³-polypropylene. Thermochimica Acta, 2019, 677, 131-138.	1.2	9
50	Synthesis of epoxidized poly(ester carbonate)-<i>b</i>-polyimide-<i>b</i>-poly(ester carbonate): reactive single-walled carbon nanotube dispersants enable synergistic reinforcement around multi-walled nanotube-grafted carbon fibers. Polymer Chemistry, 2019, 10, 1324-1334.	1.9	3
51	Air Templated Macroporous Epoxy Foams with Silica Particles as Property-Defining Additive. ACS Applied Polymer Materials, 2019, 1, 335-343.	2.0	19
52	Rapid Water Softening with TEMPO-Oxidized/Phosphorylated Nanopapers. Nanomaterials, 2019, 9, 136.	1.9	22
53	Agricultural by-product suitability for the production of chitinous composites and nanofibers utilising Trametes versicolor and Polyporus brumalis mycelial growth. Process Biochemistry, 2019, 80, 95-102.	1.8	59
54	Computational analysis of conductivity contributions in an ionic liquid mixture of 1-ethyl-3-methylimidazolium dicyanamide and tetrafluoroborate. Journal of Molecular Liquids, 2019, 288, 110993.	2.3	9

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55	On the link between experimentallyâ€measured turbulence quantities and polymerâ€induced drag reduction in pipe flows. AIChE Journal, 2019, 65, e16662.	1.8	10
56	Natural fibre-nanocellulose composite filters for the removal of heavy metal ions from water. Industrial Crops and Products, 2019, 133, 325-332.	2.5	44
57	Chitin Nanopaper from Mushroom Extract: Natural Composite of Nanofibers and Glucan from a Single Biobased Source. ACS Sustainable Chemistry and Engineering, 2019, 7, 6492-6496.	3.2	90
58	Mechanically whipped phenolic froths as versatile templates for manufacturing phenolic and carbon foams. Materials and Design, 2019, 168, 107658.	3.3	28
59	Enhanced fracture toughness of hierarchical carbon nanotube reinforced carbon fibre epoxy composites with engineered matrix microstructure. Composites Science and Technology, 2019, 170, 85-92.	3.8	70
60	â€œBrick-and-Mortarâ€•Nanostructured Interphase for Glass-Fiber-Reinforced Polymer Composites. ACS Applied Materials & Interfaces, 2018, 10, 7352-7361.	4.0	52
61	Better together: synergy in nanocellulose blends. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2018, 376, 20170043.	1.6	21
62	Carbon foams from emulsion-templated reduced graphene oxide polymer composites: electrodes for supercapacitor devices. Journal of Materials Chemistry A, 2018, 6, 1840-1849.	5.2	70
63	Emulsion and Foam Templatingâ€"Promising Routes to Tailorâ€Made Porous Polymers. Angewandte Chemie - International Edition, 2018, 57, 10024-10032.	7.2	98
64	Emulsionsâ€•und Schaumtemplatierung â€" vielversprechende Methoden zur Herstellung maÃŸgeschneiderter porÃ¶ser Polymere. Angewandte Chemie, 2018, 130, 10176-10186.	1.6	3
65	The Effect of Polymorphism on the Kinetics of Adsorption and Degradation: A Case of Hydrogen Chloride Vapor on Cellulose. Advanced Sustainable Systems, 2018, 2, 1800026.	2.7	8
66	Improving the multifunctional behaviour of structural supercapacitors by incorporating chemically activated carbon fibres and mesoporous silica particles as reinforcement. Journal of Composite Materials, 2018, 52, 3085-3097.	1.2	38
67	Increasing carbon fiber composite strength with a nanostructured â€œbrick-and-mortarâ€•interphase. Materials Horizons, 2018, 5, 668-674.	6.4	38
68	Recombinant biosynthesis of bacterial cellulose in genetically modified Escherichia coli. Bioprocess and Biosystems Engineering, 2018, 41, 265-279.	1.7	50
69	Effects of Contact Angle and Flocculation of Particles of Oligomer of Tetrafluoroethylene on Oil Foaming. Frontiers in Chemistry, 2018, 6, 435.	1.8	9
70	Frothed black liquor as a renewable cost effective precursor to low-density lignin and carbon foams. Reactive and Functional Polymers, 2018, 132, 145-151.	2.0	19
71	Continuous carbon nanotube synthesis on charged carbon fibers. Composites Part A: Applied Science and Manufacturing, 2018, 112, 525-538.	3.8	47
72	Lithium iron phosphate coated carbon fiber electrodes for structural lithium ion batteries. Composites Science and Technology, 2018, 162, 235-243.	3.8	87

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73	Multi-layer nanopaper based composites. Cellulose, 2017, 24, 1759-1773.	2.4	18
74	Hybrid solâ€"gel inorganic/gelatin porous fibres via solution blow spinning. Journal of Materials Science, 2017, 52, 9066-9081.	1.7	27
75	Deployable, shape memory carbon fibre composites without shape memory constituents. Composites Science and Technology, 2017, 145, 96-104.	3.8	22
76	Cellulose nanocrystals by acid vapour: towards more effortless isolation of cellulose nanocrystals. Faraday Discussions, 2017, 202, 315-330.	1.6	51
77	Plant fibre-reinforced polymers: where do we stand in terms of tensile properties?. International Materials Reviews, 2017, 62, 441-464.	9.4	66
78	Efficient continuous removal of nitrates from water with cationic cellulose nanopaper membranes. Resource-efficient Technologies, 2017, 3, 22-28.	0.1	17
79	Micropatterned, macroporous polymer springs for capacitive energy harvesters. Polymer, 2017, 126, 419-424.	1.8	17
80	Noncovalent Surface Modification of Cellulose Nanopapers by Adsorption of Polymers from Aprotic Solvents. Langmuir, 2017, 33, 5707-5712.	1.6	43
81	Hypercrosslinked polyHIPEs as precursors to designable, hierarchically porous carbon foams. Polymer, 2017, 115, 146-153.	1.8	48
82	One-pot synthesis of supported hydrogel membranes via emulsion templating. Reactive and Functional Polymers, 2017, 114, 104-109.	2.0	16
83	Applying a potential difference to minimise damage to carbon fibres during carbon nanotube grafting by chemical vapour deposition. Nanotechnology, 2017, 28, 305602.	1.3	28
84	High-Surface-Area, Emulsion-Templated Carbon Foams by Activation of polyHIPEs Derived from Pickering Emulsions. Materials, 2016, 9, 776.	1.3	22
85	Bacterial NanoCellulose as Reinforcement forÂPolymer Matrices. , 2016, , 109-122.		10
86	Robust macroporous polymers: Using polyurethane diacrylate as property defining crosslinker. Polymer, 2016, 97, 598-603.	1.8	18
87	Development of novel composites through fibre and interface/interphase modification. IOP Conference Series: Materials Science and Engineering, 2016, 139, 012001.	0.3	9
88	Improving the ply/interleaf interface in carbon fibre reinforced composites with variable stiffness. Composites Science and Technology, 2016, 128, 185-192.	3.8	13
89	Hierarchically porous carbon foams from pickering high internal phase emulsions. Carbon, 2016, 101, 253-260.	5.4	86
90	On the drag reduction effect and shear stability of improved acrylamide copolymers for enhanced hydraulic fracturing. Chemical Engineering Science, 2016, 146, 135-143.	1.9	39

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91	Unidirectional carbon fibre reinforced polyamide-12 composites with enhanced strain to tensile failure by introducing fibre waviness. Composites Part A: Applied Science and Manufacturing, 2016, 87, 186-193.	3.8	27
92	Organic fouling behaviour of structurally and chemically different forward osmosis membranes â€“ A study of cellulose triacetate and thin film composite membranes. Journal of Membrane Science, 2016, 520, 247-261.	4.1	79
93	Ductile unidirectional continuous rayon fibre-reinforced hierarchical composites. Composites Part A: Applied Science and Manufacturing, 2016, 90, 633-641.	3.8	15
94	Porous Bioactive Nanofibers via Cryogenic Solution Blow Spinning and Their Formation into 3D Macroporous Scaffolds. ACS Biomaterials Science and Engineering, 2016, 2, 1442-1449.	2.6	48
95	Strong and Stiff: High-Performance Cellulose Nanocrystal/Poly(vinyl alcohol) Composite Fibers. ACS Applied Materials & Interfaces, 2016, 8, 31500-31504.	4.0	101
96	Phosphorylated nanocellulose papers for copper adsorption from aqueous solutions. International Journal of Environmental Science and Technology, 2016, 13, 1861-1872.	1.8	104
97	Property and Shape Modulation of Carbon Fibers Using Lasers. ACS Applied Materials & Interfaces, 2016, 8, 16351-16358.	4.0	10
98	Understanding the Dispersion and Assembly of Bacterial Cellulose in Organic Solvents. Biomacromolecules, 2016, 17, 1845-1853.	2.6	29
99	Thermosetting nanocomposites with high carbon nanotube loadings processed by a scalable powder based method. Composites Science and Technology, 2016, 127, 62-70.	3.8	19
100	Direct Interfacial Modification of Nanocellulose Films for Thermoresponsive Membrane Templates. ACS Applied Materials & Interfaces, 2016, 8, 2923-2927.	4.0	47
101	Thermosetting hierarchical composites with high carbon nanotube loadings: En route to high performance. Composites Science and Technology, 2016, 127, 134-141.	3.8	37
102	Upgrading flax nonwovens: Nanocellulose as binder to produce rigid and robust flax fibre preforms. Composites Part A: Applied Science and Manufacturing, 2016, 83, 63-71.	3.8	27
103	Carbon fibre-reinforced poly(ethylene glycol) diglycidylether based multifunctional structural supercapacitor composites for electrical energy storage applications. Journal of Composite Materials, 2016, 50, 2155-2163.	1.2	48
104	Nitrate removal from water using a nanopaper ion-exchanger. Environmental Science: Water Research and Technology, 2016, 2, 117-124.	1.2	46
105	Preparation of divinyl esters by transvinylation between vinyl acetate and dicarboxylic acids. Arkivoc, 2016, 2016, 23-35.	0.3	0
106	Printed macroporous polymers with complex structures and shapes. AIP Conference Proceedings, 2015, , .	0.3	0
107	POLYHYDROXYALKANOATES (PHAs) FOR TISSUE ENGINEERING APPLICATIONS: BIOTRANSFORMATION OF PALM OIL MILL EFFLUENT (POME) TO VALUE-ADDED POLYMERS. Jurnal Teknologi (Sciences and) Tj ETQq1 1 0.784314 rgBT /Overlock 1	0.3	8
108	THE EFFECT OF SURFACE HETEROGENEITY ON WETTABILITY OF POROUS THREE DIMENSIONAL (3-D) SCAFFOLDS OF POLY(3-HYDROXYBUTYRIC ACID) (PHB) AND POLY(3-HYDROXYBUTYRIC-CO-3-HYDROXYVALERIC ACID) (PHBV). Jurnal Teknologi (Sciences and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.3	6

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109	Added function â€“ Added value: Multifunctional high-performance composites. EXPRESS Polymer Letters, 2015, 9, 489-489.	1.1	0
110	Single step functionalization of celluloses with differing degrees of reactivity as a route for <i>in situ</i> production of all-cellulose nanocomposites. Nanocomposites, 2015, 1, 214-222.	2.2	4
111	A comparative study of the effects of different bioactive fillers in PLGA matrix composites and their suitability as bone substitute materials: A thermo-mechanical and in vitro investigation. Journal of the Mechanical Behavior of Biomedical Materials, 2015, 50, 277-289.	1.5	29
112	Effectiveness of Emulsion-Templated Macroporous Polymer Micromixers Characterized by the Bourne Reaction. Industrial & Engineering Chemistry Research, 2015, 54, 5974-5981.	1.8	18
113	Highly permeable macroporous polymers via controlled agitation of emulsion templates. Chemical Engineering Science, 2015, 137, 786-795.	1.9	23
114	Liquidâ€“Liquid Extraction within Emulsion Templated Macroporous Polymers. Industrial & Engineering Chemistry Research, 2015, 54, 7284-7291.	1.8	20
115	Microwave curing of carbonâ€“epoxy composites: Penetration depth and material characterisation. Composites Part A: Applied Science and Manufacturing, 2015, 75, 18-27.	3.8	80
116	Modified chitosan emulsifiers: small compositional changes produce vastly different high internal phase emulsion types. Journal of Materials Chemistry B, 2015, 3, 4118-4122.	2.9	16
117	Inflatable Elastomeric Macroporous Polymers Synthesized from Medium Internal Phase Emulsion Templates. ACS Applied Materials & Interfaces, 2015, 7, 19243-19250.	4.0	46
118	Nacre-nanomimetics: Strong, Stiff, and Plastic. ACS Applied Materials & Interfaces, 2015, 7, 26783-26791.	4.0	28
119	Bacterial Cellulose Reinforced Flax Fibre Composites: Effect of Nanocellulose Loading on Composite Properties. Materials Science Forum, 2015, 825-826, 1063-1067.	0.3	0
120	Injectable, Interconnected, Highâ€Porosity Macroporous Biocompatible Gelatin Scaffolds Made by Surfactantâ€Free Emulsion Templating. Macromolecular Rapid Communications, 2015, 36, 364-372.	2.0	53
121	Mechanical, electrical and microstructural characterisation of multifunctional structural power composites. Journal of Composite Materials, 2015, 49, 1823-1834.	1.2	69
122	Cellulose nanopapers as tight aqueous ultra-filtration membranes. Reactive and Functional Polymers, 2015, 86, 209-214.	2.0	147
123	Pore Interconnectivity Analysis of Porous Three Dimensional Scaffolds of Poly (3-Hydroxybutyric) Tj ETQq1 1 0.784314 rgBT /Overlock 1 Staining Method. Sains Malaysiana, 2015, 44, 1351-1356.	0.3	4
124	pH-triggered phase inversion and separation of hydrophobised bacterial cellulose stabilised Pickering emulsions. Reactive and Functional Polymers, 2014, 85, 208-213.	2.0	22
125	Bionanocomposites: Processing Methods, Characterization, and Properties. Materials and Energy, 2014, , 1-5.	2.5	0
126	Advanced Bacterial Cellulose Composites. Materials and Energy, 2014, , 147-164.	2.5	1

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127	Colloidal and Nanocellulose-Stabilized Emulsions. Materials and Energy, 2014, , 185-196.	2.5	2
128	Composition as a Means To Control Morphology and Properties of Epoxy Based Dual-Phase Structural Electrolytes. Journal of Physical Chemistry C, 2014, 118, 28377-28387.	1.5	60
129	Multifunctional structural energy storage composite supercapacitors. Faraday Discussions, 2014, 172, 81-103.	1.6	109
130	Macromol. Rapid Commun. 19/2014. Macromolecular Rapid Communications, 2014, 35, 1639-1639.	2.0	0
131	Green Chemical Modifications of Nanocellulose for Use in Composites. Materials and Energy, 2014, , 7-21.	2.5	7
132	More Than Meets the Eye in Bacterial Cellulose: Biosynthesis, Bioprocessing, and Applications in Advanced Fiber Composites. Macromolecular Bioscience, 2014, 14, 10-32.	2.1	316
133	Antagonistic Effects between Magnetite Nanoparticles and a Hydrophobic Surfactant in Highly Concentrated Pickering Emulsions. Langmuir, 2014, 30, 5064-5074.	1.6	40
134	Phase Behavior of Medium and High Internal Phase Water-in-Oil Emulsions Stabilized Solely by Hydrophobized Bacterial Cellulose Nanofibrils. Langmuir, 2014, 30, 452-460.	1.6	95
135	High Internal Phase Emulsion Templating with Self-Emulsifying and Thermoresponsive Chitosan-<i>graft</i>-PNIPAM-<i>graft</i>-Oligoproline. Biomacromolecules, 2014, 15, 1777-1787.	2.6	57
136	Macroporous polymer nanocomposites synthesised from high internal phase emulsion templates stabilised by reduced graphene oxide. Polymer, 2014, 55, 395-402.	1.8	39
137	High performance carbon fibre reinforced epoxy composites with controllable stiffness. Composites Science and Technology, 2014, 105, 134-143.	3.8	28
138	Tailored for simplicity: creating high porosity, high performance bio-based macroporous polymers from foam templates. Green Chemistry, 2014, 16, 1931-1940.	4.6	52
139	Aligned unidirectional PLA/bacterial cellulose nanocomposite fibre reinforced PDLLA composites. Reactive and Functional Polymers, 2014, 85, 185-192.	2.0	60
140	Non-aqueous high internal phase emulsion templates for synthesis of macroporous polymers in situ filled with cyclic carbonate electrolytes. RSC Advances, 2014, 4, 11512-11519.	1.7	16
141	Bacterial Cellulose Nanopaper as Reinforcement for Polylactide Composites: Renewable Thermoplastic NanoPaPreg. Macromolecular Rapid Communications, 2014, 35, 1640-1645.	2.0	29
142	Nanopapers for organic solvent nanofiltration. Chemical Communications, 2014, 50, 5778-5781.	2.2	114
143	Multifunctional structural supercapacitors for electrical energy storage applications. Journal of Composite Materials, 2014, 48, 1409-1416.	1.2	58
144	Hybrid Nanomaterial Complexes for Advanced Phage-guided Gene Delivery. Molecular Therapy - Nucleic Acids, 2014, 3, e185.	2.3	37

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145	Emulsion-templated macroporous polymer/polymer composites with switchable stiffness. Pure and Applied Chemistry, 2014, 86, 203-213.	0.9	5
146	On the use of nanocellulose as reinforcement in polymer matrix composites. Composites Science and Technology, 2014, 105, 15-27.	3.8	669
147	Polymerised high internal phase emulsions for fluid separation applications. Current Opinion in Chemical Engineering, 2014, 4, 114-120.	3.8	56
148	Manufacturing Of Robust Natural Fiber Preforms Utilizing Bacterial Cellulose as Binder. Journal of Visualized Experiments, 2014, , .	0.2	11
149	Liquid Screen: A Novel Method To Produce an In-Situ Gravel Pack. SPE Journal, 2014, 19, 437-442.	1.7	16
150	Polymerised high internal phase ionic liquid-in-oil emulsions as potential separators for lithium ion batteries. Journal of Materials Chemistry A, 2013, 1, 9612.	5.2	56
151	Ion-responsive alginate based macroporous injectable hydrogel scaffolds prepared by emulsion templating. Journal of Materials Chemistry B, 2013, 1, 4736.	2.9	79
152	Solid polymer electrolyte-coated carbon fibres for structural and novel micro batteries. Composites Science and Technology, 2013, 89, 149-157.	3.8	68
153	Porous Copolymers of Îµ-Caprolactone as Scaffolds for Tissue Engineering. Macromolecules, 2013, 46, 8136-8143.	2.2	35
154	Macroporous polymers made from medium internal phase emulsion templates: Effect of emulsion formulation on the pore structure of polyMIPEs. Polymer, 2013, 54, 5511-5517.	1.8	45
155	Improving the adhesion between carbon fibres and an elastomer matrix using an acrylonitrile containing atmospheric plasma treatment. Composite Interfaces, 2013, 20, 761-782.	1.3	12
156	Structural composite supercapacitors. Composites Part A: Applied Science and Manufacturing, 2013, 46, 96-107.	3.8	169
157	Bacterial cellulose as source for activated nanosized carbon for electric double layer capacitors. Journal of Materials Science, 2013, 48, 367-376.	1.7	48
158	Green polyurethane nanocomposites from soy polyol and bacterial cellulose. Journal of Materials Science, 2013, 48, 2167-2175.	1.7	52
159	Activation of structural carbon fibres for potential applications in multifunctional structural supercapacitors. Journal of Colloid and Interface Science, 2013, 395, 241-248.	5.0	81
160	Structural supercapacitor electrolytes based on bicontinuous ionic liquidâ€"epoxy resin systems. Journal of Materials Chemistry A, 2013, 1, 15300.	5.2	143
161	Hierarchical Polymerized High Internal Phase Emulsions Synthesized from Surfactant-Stabilized Emulsion Templates. Langmuir, 2013, 29, 5952-5961.	1.6	65
162	Multifunctional Structural Supercapacitor Composites Based on Carbon Aerogel Modified High Performance Carbon Fiber Fabric. ACS Applied Materials & Interfaces, 2013, 5, 6113-6122.	4.0	209

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163	High Performance Composites with Active Stiffness Control. ACS Applied Materials & Interfaces, 2013, 5, 9111-9119.	4.0	36
164	Novel Drag-Reducing Agents for Fracturing Treatments Based on Polyacrylamide Containing Weak Labile Links in the Polymer Backbone. SPE Journal, 2012, 17, 924-930.	1.7	16
165	Ex vivo Mimicry of Normal and Abnormal Human Hematopoiesis. Journal of Visualized Experiments, 2012, , .	0.2	9
166	Interfaces in Cross-Linked and Grafted Bacterial Cellulose/Poly(Lactic Acid) Resin Composites. Journal of Polymers and the Environment, 2012, 20, 916-925.	2.4	39
167	Interconnected macroporous glycidyl methacrylate-grafted dextran hydrogels synthesised from hydroxyapatite nanoparticle stabilised high internal phase emulsion templates. Journal of Materials Chemistry, 2012, 22, 18824.	6.7	74
168	Thermoresponsive Macroporous Scaffolds Prepared by Emulsion Templating. Macromolecular Rapid Communications, 2012, 33, 1833-1839.	2.0	22
169	A comparative study of fibre/matrix interface in glass fibre reinforced polyvinylidene fluoride composites. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2012, 413, 58-64.	2.3	12
170	Short sisal fibre reinforced bacterial cellulose polylactide nanocomposites using hairy sisal fibres as reinforcement. Composites Part A: Applied Science and Manufacturing, 2012, 43, 2065-2074.	3.8	70
171	Hierarchical composites reinforced with robust short sisal fibre preforms utilising bacterial cellulose as binder. Composites Science and Technology, 2012, 72, 1479-1486.	3.8	79
172	Carbohydrate derived copoly(lactide) as the compatibilizer for bacterial cellulose reinforced polylactide nanocomposites. Composites Science and Technology, 2012, 72, 1646-1650.	3.8	41
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