

Alexander Bismarck

List of Publications by Year in Descending Order

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

319
papers

17,083
citations

67
h-index

117
g-index

336
ext. papers

18,859
ext. citations

6.1
avg, IF

6.88
L-index

#	Paper	IF	Citations
319	High-k dielectric screen-printed inks for mechanical energy harvesting devices. <i>Materials Advances</i> , 2022 , 3, 1780-1790	3.3	1
318	Assessing shear, tensile and fracture properties of macroporous nanocomposites using the Arcan test. <i>Polymer Testing</i> , 2022 , 107, 107490	4.5	1
317	Carbon nanotube enhanced carbon Fibre-Poly(ether ether ketone) interfaces in model hierarchical composites. <i>Composites Science and Technology</i> , 2022 , 109327	8.6	0
316	Permeable emulsion-templated porous polyepoxides. <i>Polymer</i> , 2022 , 240, 124476	3.9	1
315	Towards separator-free structural composite supercapacitors. <i>Composites Science and Technology</i> , 2022 , 217, 109126	8.6	3
314	Morphology and properties of foamed high crystallinity PEEK prepared by high temperature thermally induced phase separation. <i>Journal of Applied Polymer Science</i> , 2022 , 139, 51423	2.9	2
313	Hierarchical carbon fibre composites incorporating high loadings of carbon nanotubes. <i>Composites Science and Technology</i> , 2022 , 222, 109369	8.6	1
312	An approach for the scalable production of macroporous polymer beads.. <i>Journal of Colloid and Interface Science</i> , 2022 , 616, 834-845	9.3	0
311	Structural Batteries for Aeronautic Applications State of the Art, Research Gaps and Technology Development Needs. <i>Aerospace</i> , 2022 , 9, 7	2.5	0
310	Environmental life cycle assessment of nano-cellulose and biogas production from manure.. <i>Journal of Environmental Management</i> , 2022 , 314, 115093	7.9	3
309	Wettability of carbon nanotube-grafted carbon fibers and their interfacial properties in polypropylene thermoplastic composite. <i>Composites Part A: Applied Science and Manufacturing</i> , 2022 , 106993	8.4	0
308	Interfacial Adhesion and Mechanical Properties of Wood-Polymer Hybrid Composites Prepared by Injection Molding. <i>Polymers</i> , 2021 , 13, 2849	4.5	0
307	Excellence in Excrements: Upcycling of Herbivore Manure into Nanocellulose and Biogas. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 15506-15513	8.3	3
306	Polymerised high internal phase emulsion micromixers for continuous emulsification. <i>Chemical Engineering Science</i> , 2021 , 117296	4.4	0
305	High-Velocity Stretching of Renewable Polymer Blends. <i>Journal of Polymers and the Environment</i> , 2021 , 29, 3509-3524	4.5	1
304	Recent progress of 3D printed continuous fiber reinforced polymer composites based on fused deposition modeling: a review. <i>Journal of Materials Science</i> , 2021 , 56, 12999	4.3	12
303	Influence of biological origin on the tensile properties of cellulose nanopapers. <i>Cellulose</i> , 2021 , 28, 66195	5.5	13

302	A perspective: Is viscosity the key to open the next door for foam templating?. <i>Reactive and Functional Polymers</i> , 2021 , 162, 104877	4.6	4
301	Fungal chitin-glucan nanopapers with heavy metal adsorption properties for ultrafiltration of organic solvents and water. <i>Carbohydrate Polymers</i> , 2021 , 253, 117273	10.3	16
300	Bacterial nanocellulose papers with high porosity for optimized permeance and rejection of nm-sized pollutants. <i>Carbohydrate Polymers</i> , 2021 , 251, 117130	10.3	7
299	Additive Manufactured Carbon Nanotube/Epoxy Nanocomposites for Heavy-Duty Applications. <i>ACS Applied Polymer Materials</i> , 2021 , 3, 93-97	4.3	6
298	Solid epoxy resin systems for automated composite manufacturing. <i>Composites Part A: Applied Science and Manufacturing</i> , 2021 , 142, 106205	8.4	2
297	Leather-like material biofabrication using fungi. <i>Nature Sustainability</i> , 2021 , 4, 9-16	22.1	31
296	Emulsion-templated flexible epoxy foams. <i>Polymer</i> , 2021 , 215, 123380	3.9	2
295	Effect of Plasma-Treatment of Interleaved Thermoplastic Films on Delamination in Interlayer Fibre Hybrid Composite Laminates. <i>Polymers</i> , 2020 , 12,	4.5	2
294	High-Performance Polymer Foams by Thermally Induced Phase Separation. <i>Macromolecular Rapid Communications</i> , 2020 , 41, e2000110	4.8	9
293	Influence of the Relaxation on the high-velocity stretchability of isotactic polypropylene. <i>Polymer</i> , 2020 , 200, 122593	3.9	3
292	Plastic to elastic: Fungi-derived composite nanopapers with tunable tensile properties. <i>Composites Science and Technology</i> , 2020 , 198, 108327	8.6	14
291	High porosity cellulose nanopapers as reinforcement in multi-layer epoxy laminates. <i>Composites Part A: Applied Science and Manufacturing</i> , 2020 , 131, 105779	8.4	10
290	Surface properties of chitin-glucan nanopapers from <i>Agaricus bisporus</i> . <i>International Journal of Biological Macromolecules</i> , 2020 , 148, 677-687	7.9	14
289	Crab vs. Mushroom: A Review of Crustacean and Fungal Chitin in Wound Treatment. <i>Marine Drugs</i> , 2020 , 18,	6	55
288	Foam Templating: A Greener Route to Porous Polymers. <i>ACS Symposium Series</i> , 2020 , 99-118	0.4	
287	An integrated method for measuring gas permeability and diffusivity of porous solids. <i>Chemical Engineering Science</i> , 2020 , 223, 115725	4.4	3
286	Mushroom-derived chitosan-glucan nanopaper filters for the treatment of water. <i>Reactive and Functional Polymers</i> , 2020 , 146, 104428	4.6	22
285	High-velocity stretching of polyolefin tapes. <i>Polymer Testing</i> , 2020 , 81, 106228	4.5	5

284	Engineered mycelium composite construction materials from fungal biorefineries: A critical review. <i>Materials and Design</i> , 2020 , 187, 108397	8.1	93
283	Emulsion templated resilient macroporous elastomers. <i>Polymer</i> , 2020 , 186, 122023	3.9	7
282	Nanomaterials Derived from Fungal Sources-Is It the New Hype?. <i>Biomacromolecules</i> , 2020 , 21, 30-55	6.9	37
281	Stretchable Polymerized High Internal Phase Emulsion Separators for High Performance Soft Batteries. <i>Advanced Energy Materials</i> , 2020 , 10, 2000467	21.8	7
280	The influence of crystallization conditions on the macromolecular structure and strength of Epolypropylene. <i>Thermochimica Acta</i> , 2019 , 677, 131-138	2.9	6
279	Synthesis of epoxidized poly(ester carbonate)-b-polyimide-b-poly(ester carbonate): reactive single-walled carbon nanotube dispersants enable synergistic reinforcement around multi-walled nanotube-grafted carbon fibers. <i>Polymer Chemistry</i> , 2019 , 10, 1324-1334	4.9	3
278	Air Templated Macroporous Epoxy Foams with Silica Particles as Property-Defining Additive. <i>ACS Applied Polymer Materials</i> , 2019 , 1, 335-343	4.3	10
277	Rapid Water Softening with TEMPO-Oxidized/Phosphorylated Nanopapers. <i>Nanomaterials</i> , 2019 , 9,	5.4	11
276	Agricultural by-product suitability for the production of chitinous composites and nanofibers utilising <i>Trametes versicolor</i> and <i>Polyporus brumalis</i> mycelial growth. <i>Process Biochemistry</i> , 2019 , 80, 95-102	4.8	39
275	Computational analysis of conductivity contributions in an ionic liquid mixture of 1-ethyl-3-methylimidazolium dicyanamide and tetrafluoroborate. <i>Journal of Molecular Liquids</i> , 2019 , 288, 110993	6	3
274	On the link between experimentally-measured turbulence quantities and polymer-induced drag reduction in pipe flows. <i>AIChE Journal</i> , 2019 , 65, e16662	3.6	7
273	Natural fibre-nanocellulose composite filters for the removal of heavy metal ions from water. <i>Industrial Crops and Products</i> , 2019 , 133, 325-332	5.9	29
272	Chitin Nanopaper from Mushroom Extract: Natural Composite of Nanofibers and Glucan from a Single Biobased Source. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 6492-6496	8.3	54
271	Mechanically whipped phenolic froths as versatile templates for manufacturing phenolic and carbon foams. <i>Materials and Design</i> , 2019 , 168, 107658	8.1	14
270	Mechanical and physical performance of carbon aerogel reinforced carbon fibre hierarchical composites. <i>Composites Science and Technology</i> , 2019 , 182, 107720	8.6	13
269	Waste-Derived Low-Cost Mycelium Nanopapers with Tunable Mechanical and Surface Properties. <i>Biomacromolecules</i> , 2019 , 20, 3513-3523	6.9	31
268	Enhanced fracture toughness of hierarchical carbon nanotube reinforced carbon fibre epoxy composites with engineered matrix microstructure. <i>Composites Science and Technology</i> , 2019 , 170, 85-92	8.6	54
267	"Brick-and-Mortar" Nanostructured Interphase for Glass-Fiber-Reinforced Polymer Composites. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 7352-7361	9.5	24

266	Better together: synergy in nanocellulose blends. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2018 , 376,	3	16
265	Carbon foams from emulsion-templated reduced graphene oxide polymer composites: electrodes for supercapacitor devices. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 1840-1849	13	57
264	Emulsion and Foam Templating-Promising Routes to Tailor-Made Porous Polymers. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 10024-10032	16.4	72
263	Emulsions- und Schaumtemplating vielversprechende Methoden zur Herstellung maßgeschneiderter poröser Polymere. <i>Angewandte Chemie</i> , 2018 , 130, 10176-10186	3.6	3
262	The Effect of Polymorphism on the Kinetics of Adsorption and Degradation: A Case of Hydrogen Chloride Vapor on Cellulose. <i>Advanced Sustainable Systems</i> , 2018 , 2, 1800026	5.9	6
261	Improving the multifunctional behaviour of structural supercapacitors by incorporating chemically activated carbon fibres and mesoporous silica particles as reinforcement. <i>Journal of Composite Materials</i> , 2018 , 52, 3085-3097	2.7	21
260	Increasing carbon fiber composite strength with a nanostructured brick-and-mortar interface. <i>Materials Horizons</i> , 2018 , 5, 668-674	14.4	26
259	Lithium iron phosphate coated carbon fiber electrodes for structural lithium ion batteries. <i>Composites Science and Technology</i> , 2018 , 162, 235-243	8.6	47
258	Recombinant biosynthesis of bacterial cellulose in genetically modified Escherichia coli. <i>Bioprocess and Biosystems Engineering</i> , 2018 , 41, 265-279	3.7	32
257	Effects of Contact Angle and Flocculation of Particles of Oligomer of Tetrafluoroethylene on Oil Foaming. <i>Frontiers in Chemistry</i> , 2018 , 6, 435	5	8
256	Frothed black liquor as a renewable cost effective precursor to low-density lignin and carbon foams. <i>Reactive and Functional Polymers</i> , 2018 , 132, 145-151	4.6	10
255	Continuous carbon nanotube synthesis on charged carbon fibers. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018 , 112, 525-538	8.4	35
254	Multi-layer nanopaper based composites. <i>Cellulose</i> , 2017 , 24, 1759-1773	5.5	15
253	Hybrid sol-gel inorganic/gelatin porous fibres via solution blow spinning. <i>Journal of Materials Science</i> , 2017 , 52, 9066-9081	4.3	19
252	Deployable, shape memory carbon fibre composites without shape memory constituents. <i>Composites Science and Technology</i> , 2017 , 145, 96-104	8.6	14
251	Cellulose nanocrystals by acid vapour: towards more effortless isolation of cellulose nanocrystals. <i>Faraday Discussions</i> , 2017 , 202, 315-330	3.6	35
250	Plant fibre-reinforced polymers: where do we stand in terms of tensile properties?. <i>International Materials Reviews</i> , 2017 , 62, 441-464	16.1	47
249	Efficient continuous removal of nitrates from water with cationic cellulose nanopaper membranes. <i>Resource-efficient Technologies</i> , 2017 , 3, 22-28	2	13

248	Micropatterned, macroporous polymer springs for capacitive energy harvesters. <i>Polymer</i> , 2017 , 126, 419-424	3.9	12
247	Noncovalent Surface Modification of Cellulose Nanopapers by Adsorption of Polymers from Aprotic Solvents. <i>Langmuir</i> , 2017 , 33, 5707-5712	4	33
246	Hyperscrosslinked polyHIPEs as precursors to designable, hierarchically porous carbon foams. <i>Polymer</i> , 2017 , 115, 146-153	3.9	37
245	One-pot synthesis of supported hydrogel membranes via emulsion templating. <i>Reactive and Functional Polymers</i> , 2017 , 114, 104-109	4.6	8
244	Applying a potential difference to minimise damage to carbon fibres during carbon nanotube grafting by chemical vapour deposition. <i>Nanotechnology</i> , 2017 , 28, 305602	3.4	20
243	Carbon fibre-reinforced poly(ethylene glycol) diglycidylether based multifunctional structural supercapacitor composites for electrical energy storage applications. <i>Journal of Composite Materials</i> , 2016 , 50, 2155-2163	2.7	33
242	Nitrate removal from water using a nanopaper ion-exchanger. <i>Environmental Science: Water Research and Technology</i> , 2016 , 2, 117-124	4.2	37
241	Ductile unidirectional continuous rayon fibre-reinforced hierarchical composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2016 , 90, 633-641	8.4	11
240	Porous Bioactive Nanofibers via Cryogenic Solution Blow Spinning and Their Formation into 3D Macroporous Scaffolds. <i>ACS Biomaterials Science and Engineering</i> , 2016 , 2, 1442-1449	5.5	39
239	Strong and Stiff: High-Performance Cellulose Nanocrystal/Poly(vinyl alcohol) Composite Fibers. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 31500-31504	9.5	82
238	Phosphorylated nanocellulose papers for copper adsorption from aqueous solutions. <i>International Journal of Environmental Science and Technology</i> , 2016 , 13, 1861-1872	3.3	75
237	Property and Shape Modulation of Carbon Fibers Using Lasers. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 16351-8	9.5	8
236	Understanding the Dispersion and Assembly of Bacterial Cellulose in Organic Solvents. <i>Biomacromolecules</i> , 2016 , 17, 1845-53	6.9	25
235	Thermosetting nanocomposites with high carbon nanotube loadings processed by a scalable powder based method. <i>Composites Science and Technology</i> , 2016 , 127, 62-70	8.6	18
234	Direct Interfacial Modification of Nanocellulose Films for Thermoresponsive Membrane Templates. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 2923-7	9.5	42
233	Thermosetting hierarchical composites with high carbon nanotube loadings: En route to high performance. <i>Composites Science and Technology</i> , 2016 , 127, 134-141	8.6	34
232	Upgrading flax nonwovens: Nanocellulose as binder to produce rigid and robust flax fibre preforms. <i>Composites Part A: Applied Science and Manufacturing</i> , 2016 , 83, 63-71	8.4	22
231	High-Surface-Area, Emulsion-Templated Carbon Foams by Activation of polyHIPEs Derived from Pickering Emulsions. <i>Materials</i> , 2016 , 9,	3.5	18

230	Bacterial NanoCellulose as Reinforcement for Polymer Matrices 2016 , 109-122		8
229	Robust macroporous polymers: Using polyurethane diacrylate as property defining crosslinker. <i>Polymer</i> , 2016 , 97, 598-603	3.9	14
228	Development of novel composites through fibre and interface/interphase modification. <i>IOP Conference Series: Materials Science and Engineering</i> , 2016 , 139, 012001	0.4	5
227	Improving the ply/interleaf interface in carbon fibre reinforced composites with variable stiffness. <i>Composites Science and Technology</i> , 2016 , 128, 185-192	8.6	10
226	Hierarchically porous carbon foams from pickering high internal phase emulsions. <i>Carbon</i> , 2016 , 101, 253-260	10.4	74
225	On the drag reduction effect and shear stability of improved acrylamide copolymers for enhanced hydraulic fracturing. <i>Chemical Engineering Science</i> , 2016 , 146, 135-143	4.4	23
224	Unidirectional carbon fibre reinforced polyamide-12 composites with enhanced strain to tensile failure by introducing fibre waviness. <i>Composites Part A: Applied Science and Manufacturing</i> , 2016 , 87, 186-193	8.4	15
223	Organic fouling behaviour of structurally and chemically different forward osmosis membranes [A study of cellulose triacetate and thin film composite membranes. <i>Journal of Membrane Science</i> , 2016 , 520, 247-261	9.6	66
222	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. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2015 , 50, 277-89	4.1	24
221	Effectiveness of Emulsion-Templated Macroporous Polymer Micromixers Characterized by the Bourne Reaction. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 5974-5981	3.9	14
220	Highly permeable macroporous polymers via controlled agitation of emulsion templates. <i>Chemical Engineering Science</i> , 2015 , 137, 786-795	4.4	20
219	Liquid-Liquid Extraction within Emulsion Templated Macroporous Polymers. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 7284-7291	3.9	16
218	Microwave curing of carbon-Epoxy composites: Penetration depth and material characterisation. <i>Composites Part A: Applied Science and Manufacturing</i> , 2015 , 75, 18-27	8.4	61
217	Modified chitosan emulsifiers: small compositional changes produce vastly different high internal phase emulsion types. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 4118-4122	7.3	15
216	Inflatable Elastomeric Macroporous Polymers Synthesized from Medium Internal Phase Emulsion Templates. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 19243-50	9.5	35
215	Nacre-nanomimetics: Strong, Stiff, and Plastic. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 26783-91	9.5	27
214	Bacterial Cellulose Reinforced Flax Fibre Composites: Effect of Nanocellulose Loading on Composite Properties. <i>Materials Science Forum</i> , 2015 , 825-826, 1063-1067	0.4	
213	Injectable, interconnected, high-porosity macroporous biocompatible gelatin scaffolds made by surfactant-free emulsion templating. <i>Macromolecular Rapid Communications</i> , 2015 , 36, 364-72	4.8	40

212	Mechanical, electrical and microstructural characterisation of multifunctional structural power composites. <i>Journal of Composite Materials</i> , 2015 , 49, 1823-1834	2.7	48
211	Cellulose nanopapers as tight aqueous ultra-filtration membranes. <i>Reactive and Functional Polymers</i> , 2015 , 86, 209-214	4.6	126
210	Wettability: Plasma Treatment Effects 2015 , 7666-7683		
209	POLYHYDROXYALKANOATES (PHAs) FOR TISSUE ENGINEERING APPLICATIONS: BIOTRANSFORMATION OF PALM OIL MILL EFFLUENT (POME) TO VALUE-ADDED POLYMERS. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2015 , 78,	1.2	5
208	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). <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2015 , 75,	1.2	4
207	Single step functionalization of celluloses with differing degrees of reactivity as a route for in situ production of all-cellulose nanocomposites. <i>Nanocomposites</i> , 2015 , 1, 214-222	3.4	2
206	Pore Interconnectivity Analysis of Porous Three Dimensional Scaffolds of Poly (3-Hydroxybutyric Acid) (PHB) and Poly(3-Hydroxybutyric-co-3- Hydroxyvaleric Acid) (PHBV) Through Non-Invasive Color Staining Method 2015 , 44, 1351-1356		3
205	Antagonistic effects between magnetite nanoparticles and a hydrophobic surfactant in highly concentrated Pickering emulsions. <i>Langmuir</i> , 2014 , 30, 5064-74	4	34
204	Phase behavior of medium and high internal phase water-in-oil emulsions stabilized solely by hydrophobized bacterial cellulose nanofibrils. <i>Langmuir</i> , 2014 , 30, 452-60	4	75
203	High internal phase emulsion templating with self-emulsifying and thermoresponsive chitosan-graft-PNIPAM-graft-oligoproline. <i>Biomacromolecules</i> , 2014 , 15, 1777-87	6.9	47
202	Macroporous polymer nanocomposites synthesised from high internal phase emulsion templates stabilised by reduced graphene oxide. <i>Polymer</i> , 2014 , 55, 395-402	3.9	34
201	High performance carbon fibre reinforced epoxy composites with controllable stiffness. <i>Composites Science and Technology</i> , 2014 , 105, 134-143	8.6	20
200	Tailored for simplicity: creating high porosity, high performance bio-based macroporous polymers from foam templates. <i>Green Chemistry</i> , 2014 , 16, 1931-1940	10	44
199	Aligned unidirectional PLA/bacterial cellulose nanocomposite fibre reinforced PDLLA composites. <i>Reactive and Functional Polymers</i> , 2014 , 85, 185-192	4.6	51
198	Non-aqueous high internal phase emulsion templates for synthesis of macroporous polymers in situ filled with cyclic carbonate electrolytes. <i>RSC Advances</i> , 2014 , 4, 11512-11519	3.7	13
197	Bacterial cellulose nanopaper as reinforcement for polylactide composites: renewable thermoplastic NanoPaPreg. <i>Macromolecular Rapid Communications</i> , 2014 , 35, 1640-5	4.8	25
196	Nanopapers for organic solvent nanofiltration. <i>Chemical Communications</i> , 2014 , 50, 5778-81	5.8	102
195	Multifunctional structural supercapacitors for electrical energy storage applications. <i>Journal of Composite Materials</i> , 2014 , 48, 1409-1416	2.7	44

194	Hybrid Nanomaterial Complexes for Advanced Phage-guided Gene Delivery. <i>Molecular Therapy - Nucleic Acids</i> , 2014 , 3, e185	10.7	26
193	Emulsion-templated macroporous polymer/polymer composites with switchable stiffness. <i>Pure and Applied Chemistry</i> , 2014 , 86, 203-213	2.1	4
192	On the use of nanocellulose as reinforcement in polymer matrix composites. <i>Composites Science and Technology</i> , 2014 , 105, 15-27	8.6	554
191	Polymerised high internal phase emulsions for fluid separation applications. <i>Current Opinion in Chemical Engineering</i> , 2014 , 4, 114-120	5.4	49
190	Manufacturing of robust natural fiber preforms utilizing bacterial cellulose as binder. <i>Journal of Visualized Experiments</i> , 2014 ,	1.6	9
189	Liquid Screen: A Novel Method To Produce an In-Situ Gravel Pack. <i>SPE Journal</i> , 2014 , 19, 437-442	3.1	14
188	pH-triggered phase inversion and separation of hydrophobised bacterial cellulose stabilised Pickering emulsions. <i>Reactive and Functional Polymers</i> , 2014 , 85, 208-213	4.6	20
187	Bionanocomposites: Processing Methods, Characterization, and Properties. <i>Materials and Energy</i> , 2014 , 1-5		
186	Advanced Bacterial Cellulose Composites. <i>Materials and Energy</i> , 2014 , 147-164		1
185	Colloidal and Nanocellulose-Stabilized Emulsions. <i>Materials and Energy</i> , 2014 , 185-196		2
184	Composition as a Means To Control Morphology and Properties of Epoxy Based Dual-Phase Structural Electrolytes. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 28377-28387	3.8	41
183	Multifunctional structural energy storage composite supercapacitors. <i>Faraday Discussions</i> , 2014 , 172, 81-103	3.6	84
182	Macromol. Rapid Commun. 19/2014. <i>Macromolecular Rapid Communications</i> , 2014 , 35, 1639-1639	4.8	
181	Green Chemical Modifications of Nanocellulose for Use in Composites. <i>Materials and Energy</i> , 2014 , 7-21		7
180	More than meets the eye in bacterial cellulose: biosynthesis, bioprocessing, and applications in advanced fiber composites. <i>Macromolecular Bioscience</i> , 2014 , 14, 10-32	5.5	258
179	Polymerised high internal phase ionic liquid-in-oil emulsions as potential separators for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 9612	13	50
178	Ion-responsive alginate based macroporous injectable hydrogel scaffolds prepared by emulsion templating. <i>Journal of Materials Chemistry B</i> , 2013 , 1, 4736-4745	7.3	66
177	Solid polymer electrolyte-coated carbon fibres for structural and novel micro batteries. <i>Composites Science and Technology</i> , 2013 , 89, 149-157	8.6	51

176	Porous Copolymers of ϵ -Caprolactone as Scaffolds for Tissue Engineering. <i>Macromolecules</i> , 2013 , 46, 8136-8143	5.5	34
175	Macroporous polymers made from medium internal phase emulsion templates: Effect of emulsion formulation on the pore structure of polyMIPes. <i>Polymer</i> , 2013 , 54, 5511-5517	3.9	38
174	Improving the adhesion between carbon fibres and an elastomer matrix using an acrylonitrile containing atmospheric plasma treatment. <i>Composite Interfaces</i> , 2013 , 20, 761-782	2.3	11
173	Structural composite supercapacitors. <i>Composites Part A: Applied Science and Manufacturing</i> , 2013 , 46, 96-107	8.4	129
172	Bacterial cellulose as source for activated nanosized carbon for electric double layer capacitors. <i>Journal of Materials Science</i> , 2013 , 48, 367-376	4.3	42
171	Green polyurethane nanocomposites from soy polyol and bacterial cellulose. <i>Journal of Materials Science</i> , 2013 , 48, 2167-2175	4.3	46
170	Activation of structural carbon fibres for potential applications in multifunctional structural supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2013 , 395, 241-8	9.3	60
169	Structural supercapacitor electrolytes based on bicontinuous ionic liquid-epoxy resin systems. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 15300	13	105
168	Hierarchical polymerized high internal phase emulsions synthesized from surfactant-stabilized emulsion templates. <i>Langmuir</i> , 2013 , 29, 5952-61	4	55
167	Multifunctional structural supercapacitor composites based on carbon aerogel modified high performance carbon fiber fabric. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 6113-22	9.5	156
166	High performance composites with active stiffness control. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 9111-9	9.5	28
165	Ex vivo mimicry of normal and abnormal human hematopoiesis. <i>Journal of Visualized Experiments</i> , 2012 ,	1.6	7
164	Interfaces in Cross-Linked and Grafted Bacterial Cellulose/Poly(Lactic Acid) Resin Composites. <i>Journal of Polymers and the Environment</i> , 2012 , 20, 916-925	4.5	39
163	Interconnected macroporous glycidyl methacrylate-grafted dextran hydrogels synthesised from hydroxyapatite nanoparticle stabilised high internal phase emulsion templates. <i>Journal of Materials Chemistry</i> , 2012 , 22, 18824		68
162	Thermoresponsive macroporous scaffolds prepared by emulsion templating. <i>Macromolecular Rapid Communications</i> , 2012 , 33, 1833-9	4.8	20
161	A comparative study of fibre/matrix interface in glass fibre reinforced polyvinylidene fluoride composites. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012 , 413, 58-64	5.1	12
160	Short sisal fibre reinforced bacterial cellulose polylactide nanocomposites using hairy sisal fibres as reinforcement. <i>Composites Part A: Applied Science and Manufacturing</i> , 2012 , 43, 2065-2074	8.4	56
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