

Alexander Bismarck

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319
papers

17,083
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67
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117
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336
ext. papers

18,859
ext. citations

6.1
avg, IF

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L-index

#	Paper	IF	Citations
319	Review: current international research into cellulose nanofibres and nanocomposites. <i>Journal of Materials Science</i> , 2010 , 45, 1-33	4.3	1760
318	Carbon nanotube-based hierarchical composites: a review. <i>Journal of Materials Chemistry</i> , 2010 , 20, 4751		581
317	On the use of nanocellulose as reinforcement in polymer matrix composites. <i>Composites Science and Technology</i> , 2014 , 105, 15-27	8.6	554
316	Structure, morphology and thermal characteristics of banana nano fibers obtained by steam explosion. <i>Bioresource Technology</i> , 2011 , 102, 1988-97	11	385
315	Characterisation of a soft elastomer poly(glycerol sebacate) designed to match the mechanical properties of myocardial tissue. <i>Biomaterials</i> , 2008 , 29, 47-57	15.6	385
314	Surface characterization of flax, hemp and cellulose fibers; Surface properties and the water uptake behavior. <i>Polymer Composites</i> , 2002 , 23, 872-894	3	291
313	Hierarchical Composites Reinforced with Carbon Nanotube Grafted Fibers: The Potential Assessed at the Single Fiber Level. <i>Chemistry of Materials</i> , 2008 , 20, 1862-1869	9.6	279
312	High internal phase emulsions stabilized solely by functionalized silica particles. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 8277-9	16.4	278
311	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
310	Highly permeable macroporous polymers synthesized from pickering medium and high internal phase emulsion templates. <i>Advanced Materials</i> , 2010 , 22, 3588-92	24	240
309	High internal phase emulsion templates solely stabilised by functionalised titania nanoparticles. <i>Chemical Communications</i> , 2007 , 4274-6	5.8	200
308	Surface modification of natural fibers using bacteria: depositing bacterial cellulose onto natural fibers to create hierarchical fiber reinforced nanocomposites. <i>Biomacromolecules</i> , 2008 , 9, 1643-51	6.9	199
307	Carbon nanotube grafted carbon fibres: A study of wetting and fibre fragmentation. <i>Composites Part A: Applied Science and Manufacturing</i> , 2010 , 41, 1107-1114	8.4	188
306	High performance cellulose nanocomposites: comparing the reinforcing ability of bacterial cellulose and nanofibrillated cellulose. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 4078-86	9.5	175
305	Interfacial Tension Measurements of the (H ₂ O + CO ₂) System at Elevated Pressures and Temperatures \square <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 4168-4175	2.8	165
304	Surface functionalisation of bacterial cellulose as the route to produce green polylactide nanocomposites with improved properties. <i>Composites Science and Technology</i> , 2009 , 69, 2724-2733	8.6	164
303	Removal of oxidation debris from multi-walled carbon nanotubes. <i>Chemical Communications</i> , 2007 , 513-5.8		164

302	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
301	Particle-stabilized surfactant-free medium internal phase emulsions as templates for porous nanocomposite materials: poly-Pickering-Foams. <i>Langmuir</i> , 2007 , 23, 2398-403	4	153
300	High-porosity macroporous polymers synthesized from titania-particle-stabilized medium and high internal phase emulsions. <i>Langmuir</i> , 2010 , 26, 8836-41	4	146
299	Surface characterization of natural fibers; surface properties and the water up-take behavior of modified sisal and coir fibers. <i>Green Chemistry</i> , 2001 , 3, 100-107	10	145
298	Surface only modification of bacterial cellulose nanofibres with organic acids. <i>Cellulose</i> , 2011 , 18, 595-605	5.5	143
297	In search of a standard method for the characterisation of organic solvent nanofiltration membranes. <i>Journal of Membrane Science</i> , 2007 , 291, 120-125	9.6	136
296	Tailoring mechanical properties of highly porous polymer foams: Silica particle reinforced polymer foams via emulsion templating. <i>Polymer</i> , 2006 , 47, 4513-4519	3.9	134
295	Structural composite supercapacitors. <i>Composites Part A: Applied Science and Manufacturing</i> , 2013 , 46, 96-107	8.4	129
294	Cellulose nanopapers as tight aqueous ultra-filtration membranes. <i>Reactive and Functional Polymers</i> , 2015 , 86, 209-214	4.6	126
293	Wetting behavior of flax fibers as reinforcement for polypropylene. <i>Journal of Colloid and Interface Science</i> , 2003 , 263, 580-9	9.3	124
292	Tough reinforced open porous polymer foams via concentrated emulsion templating. <i>Polymer</i> , 2006 , 47, 7628-7635	3.9	123
291	New Evidence for the Mechanism of the Pore Formation in Polymerising High Internal Phase Emulsions or Why polyHIPEs Have an Interconnected Pore Network Structure. <i>Macromolecular Symposia</i> , 2006 , 242, 19-24	0.8	113
290	Effect of iron on the surface, degradation and ion release properties of phosphate-based glass fibres. <i>Acta Biomaterialia</i> , 2005 , 1, 553-63	10.8	110
289	Creating Hierarchical Structures in Renewable Composites by Attaching Bacterial Cellulose onto Sisal Fibers. <i>Advanced Materials</i> , 2008 , 20, 3122-3126	24	109
288	Influence of fluorination on the properties of carbon fibres. <i>Journal of Fluorine Chemistry</i> , 1997 , 84, 127-134	134	108
287	Zeta-potential and rejection rates of a polyethersulfone nanofiltration membrane in single salt solutions. <i>Journal of Membrane Science</i> , 2000 , 165, 251-259	9.6	106
286	Structural supercapacitor electrolytes based on bicontinuous ionic liquid-epoxy resin systems. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 15300	13	105
285	Renewable nanocomposite polymer foams synthesized from Pickering emulsion templates. <i>Green Chemistry</i> , 2009 , 11, 1321	10	103

284	Nanopapers for organic solvent nanofiltration. <i>Chemical Communications</i> , 2014 , 50, 5778-81	5.8	102
283	Interfacial tension measurements and modelling of (carbon dioxide+n-alkane) and (carbon dioxide+water) binary mixtures at elevated pressures and temperatures. <i>Journal of Supercritical Fluids</i> , 2010 , 55, 743-754	4.2	102
282	Open Porous Polymer Foams via Inverse Emulsion Polymerization: Should the Definition of High Internal Phase (Ratio) Emulsions Be Extended?. <i>Macromolecules</i> , 2006 , 39, 2034-2035	5.5	102
281	Engineered mycelium composite construction materials from fungal biorefineries: A critical review. <i>Materials and Design</i> , 2020 , 187, 108397	8.1	93
280	Carbon nanotube grafted silica fibres: Characterising the interface at the single fibre level. <i>Composites Science and Technology</i> , 2010 , 70, 393-399	8.6	90
279	Carbon nanotube-enhanced polyurethane scaffolds fabricated by thermally induced phase separation. <i>Journal of Materials Chemistry</i> , 2008 , 18, 1865		87
278	Multifunctional structural energy storage composite supercapacitors. <i>Faraday Discussions</i> , 2014 , 172, 81-103	3.6	84
277	Macroporous Polymers with Hierarchical Pore Structure from Emulsion Templates Stabilised by Both Particles and Surfactants. <i>Macromolecular Rapid Communications</i> , 2011 , 32, 1563-8	4.8	84
276	A Generalized Drop Length-Height Method for Determination of Contact Angle in Drop-on-Fiber Systems. <i>Journal of Colloid and Interface Science</i> , 1998 , 197, 68-77	9.3	84
275	Atmospheric air pressure plasma treatment of lignocellulosic fibres: Impact on mechanical properties and adhesion to cellulose acetate butyrate. <i>Composites Science and Technology</i> , 2008 , 68, 215-227	8.6	84
274	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
273	Anisotropic surface energetics and wettability of macroscopic form I paracetamol crystals. <i>Langmuir</i> , 2006 , 22, 2760-9	4	81
272	Particle-Stabilized Materials: Dry Oils and (Polymerized) Non-Aqueous Foams. <i>Advanced Functional Materials</i> , 2010 , 20, 732-737	15.6	79
271	Green Composites as Panacea? Socio-Economic Aspects of Green Materials. <i>Environment, Development and Sustainability</i> , 2006 , 8, 445-463	4.5	78
270	Influence of Oxygen Plasma Treatment of PAN-Based Carbon Fibers on Their Electrokinetic and Wetting Properties. <i>Journal of Colloid and Interface Science</i> , 1999 , 210, 60-72	9.3	78
269	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
268	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
267	Method for the preparation of cellulose acetate flat sheet composite membranes for forward osmosis/Desalination using MgSO ₄ draw solution. <i>Desalination</i> , 2011 , 273, 299-307	10.3	75

266	Investigation of the influence of acidic and basic surface groups on carbon fibres on the interfacial shear strength in an epoxy matrix by means of single-fibre pull-out test. <i>Composites Science and Technology</i> , 2001 , 61, 599-605	8.6	75
265	New insights into the relationship between internal phase level of emulsion templates and gas/liquid permeability of interconnected macroporous polymers. <i>Soft Matter</i> , 2009 , 5, 4780	3.6	74
264	Nanocellulose enhanced interfaces in truly green unidirectional fibre reinforced composites. <i>Composite Interfaces</i> , 2007 , 14, 753-762	2.3	74
263	Hierarchically porous carbon foams from pickering high internal phase emulsions. <i>Carbon</i> , 2016 , 101, 253-260	10.4	74
262	Emulsion and Foam Templating-Promising Routes to Tailor-Made Porous Polymers. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 10024-10032	16.4	72
261	Crosslinked integrally skinned asymmetric polyaniline membranes for use in organic solvents. <i>Journal of Membrane Science</i> , 2009 , 326, 635-642	9.6	72
260	Thermal oxidative cutting of multi-walled carbon nanotubes. <i>Carbon</i> , 2007 , 45, 2341-2350	10.4	71
259	Towards a methodology for the effective surface modification of porous polymer scaffolds. <i>Biomaterials</i> , 2005 , 26, 7537-47	15.6	71
258	Carbon fibre reinforced poly(vinylidene fluoride): Impact of matrix modification on fibre/polymer adhesion. <i>Composites Science and Technology</i> , 2008 , 68, 1766-1776	8.6	70
257	Characterization of Several Polymer Surfaces by Streaming Potential and Wetting Measurements: Some Reflections on Acid-Base Interactions. <i>Journal of Colloid and Interface Science</i> , 1999 , 217, 377-387	9.3	70
256	Hierarchical composites reinforced with robust short sisal fibre preforms utilising bacterial cellulose as binder. <i>Composites Science and Technology</i> , 2012 , 72, 1479-1486	8.6	69
255	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
254	Macroporous polymers obtained in highly concentrated emulsions stabilized solely with magnetic nanoparticles. <i>Langmuir</i> , 2011 , 27, 13342-52	4	68
253	A new route to carbon black filled polyHIPEs. <i>Soft Matter</i> , 2006 , 2, 337-342	3.6	67
252	Hierarchical Composites Made Entirely from Renewable Resources. <i>Journal of Biobased Materials and Bioenergy</i> , 2011 , 5, 1-16	1.4	67
251	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
250	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
249	Basic surface oxides on carbon fibers. <i>Carbon</i> , 1999 , 37, 1019-1027	10.4	65

248	Wetting behaviour, moisture up-take and electrokinetic properties of lignocellulosic fibres. <i>Cellulose</i> , 2007 , 14, 115-127	5.5	64
247	Plant Fibers as Reinforcement for Green Composites 2005 ,		64
246	Interfacial Tension Measurements of the (H ₂ O + n-Decane + CO ₂) Ternary System at Elevated Pressures and Temperatures. <i>Journal of Chemical & Engineering Data</i> , 2011 , 56, 4900-4908	2.8	62
245	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
244	Long-term cytokine-free expansion of cord blood mononuclear cells in three-dimensional scaffolds. <i>Biomaterials</i> , 2011 , 32, 9263-70	15.6	61
243	Premature degradation of poly(alpha-hydroxyesters) during thermal processing of Bioglass-containing composites. <i>Acta Biomaterialia</i> , 2010 , 6, 756-62	10.8	61
242	Methods to determine surface energies of natural fibres: a review. <i>Composite Interfaces</i> , 2007 , 14, 581-604		61
241	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
240	Tailoring the mechanical performance of highly permeable macroporous polymers synthesized via Pickering emulsion templating. <i>Soft Matter</i> , 2011 , 7, 6571	3.6	60
239	Tissue engineering of lung: the effect of extracellular matrix on the differentiation of embryonic stem cells to pneumocytes. <i>Tissue Engineering - Part A</i> , 2010 , 16, 1515-26	3.9	60
238	The development of a three-dimensional scaffold for ex vivo biomimicry of human acute myeloid leukaemia. <i>Biomaterials</i> , 2010 , 31, 2243-51	15.6	60
237	Fluorination of carbon fibres in atmospheric plasma. <i>Carbon</i> , 2007 , 45, 775-784	10.4	60
236	Direct measurement of the wetting behavior of individual carbon nanotubes by polymer melts: the key to carbon nanotube-polymer composites. <i>Nano Letters</i> , 2008 , 8, 2744-50	11.5	58
235	Study on surface and mechanical fiber characteristics and their effect on the adhesion properties to a polycarbonate matrix tuned by anodic carbon fiber oxidation. <i>Composites Part A: Applied Science and Manufacturing</i> , 1999 , 30, 1351-1366	8.4	58
234	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
233	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
232	Crab vs. Mushroom: A Review of Crustacean and Fungal Chitin in Wound Treatment. <i>Marine Drugs</i> , 2020 , 18,	6	55
231	Hierarchical polymerized high internal phase emulsions synthesized from surfactant-stabilized emulsion templates. <i>Langmuir</i> , 2013 , 29, 5952-61	4	55

230	Anisotropic surface chemistry of aspirin crystals. <i>Journal of Pharmaceutical Sciences</i> , 2007 , 96, 2134-44	3.9	55
229	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
228	Reactive polyurethane carbon nanotube foams and their interactions with osteoblasts. <i>Journal of Biomedical Materials Research - Part A</i> , 2009 , 88, 65-73	5.4	54
227	Spiral-wound polyaniline membrane modules for organic solvent nanofiltration (OSN). <i>Journal of Membrane Science</i> , 2010 , 349, 123-129	9.6	54
226	Synthesis and characterisation of carbon nanotubes grown on silica fibres by injection CVD. <i>Carbon</i> , 2010 , 48, 277-286	10.4	54
225	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
224	Effects of surface plasma treatment on tribology of thermoplastic polymers. <i>Polymer Engineering and Science</i> , 2008 , 48, 1971-1976	2.3	53
223	Surface properties of PAN-based carbon fibers tuned by anodic oxidation in different alkaline electrolyte systems. <i>Applied Surface Science</i> , 1999 , 143, 45-55	6.7	53
222	Tough interconnected polymerized medium and high internal phase emulsions reinforced by silica particles. <i>Journal of Polymer Science Part A</i> , 2010 , 48, 1979-1989	2.5	52
221	Aligned unidirectional PLA/bacterial cellulose nanocomposite fibre reinforced PDLA composites. <i>Reactive and Functional Polymers</i> , 2014 , 85, 185-192	4.6	51
220	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
219	Interfacial behavior between atmospheric-plasma-fluorinated carbon fibers and poly(vinylidene fluoride). <i>Journal of Colloid and Interface Science</i> , 2007 , 313, 476-84	9.3	51
218	Nanocomposite foams obtained by polymerization of high internal phase emulsions. <i>Journal of Polymer Science Part A</i> , 2008 , 46, 5708-5714	2.5	51
217	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
216	Polymerised high internal phase emulsions for fluid separation applications. <i>Current Opinion in Chemical Engineering</i> , 2014 , 4, 114-120	5.4	49
215	Mechanical, electrical and microstructural characterisation of multifunctional structural power composites. <i>Journal of Composite Materials</i> , 2015 , 49, 1823-1834	2.7	48
214	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
213	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

212	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
211	Bio-based macroporous polymer nanocomposites made by mechanical frothing of acrylated epoxidised soybean oil. <i>Green Chemistry</i> , 2011 , 13, 3117	10	47
210	Nanoporous asymmetric polyaniline films for filtration of organic solvents. <i>Journal of Membrane Science</i> , 2009 , 330, 166-174	9.6	47
209	Self-reinforced cellulose nanocomposites. <i>Cellulose</i> , 2010 , 17, 779-791	5.5	47
208	Green polyurethane nanocomposites from soy polyol and bacterial cellulose. <i>Journal of Materials Science</i> , 2013 , 48, 2167-2175	4.3	46
207	Susceptibility of never-dried and freeze-dried bacterial cellulose towards esterification with organic acid. <i>Cellulose</i> , 2012 , 19, 891-900	5.5	45
206	Inverse gas chromatography of as-received and modified carbon nanotubes. <i>Langmuir</i> , 2009 , 25, 8340-8	4	45
205	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
204	Multifunctional structural supercapacitors for electrical energy storage applications. <i>Journal of Composite Materials</i> , 2014 , 48, 1409-1416	2.7	44
203	Anisotropic surface chemistry of crystalline pharmaceutical solids. <i>AAPS PharmSciTech</i> , 2006 , 7, 84	3.9	44
202	Cross-linked bacterial cellulose networks using glyoxalization. <i>ACS Applied Materials & Interfaces</i> , 2011 , 3, 490-9	9.5	43
201	Direct Interfacial Modification of Nanocellulose Films for Thermoresponsive Membrane Templates. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 2923-7	9.5	42
200	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
199	Continuous atmospheric plasma fluorination of carbon fibres. <i>Composites Part A: Applied Science and Manufacturing</i> , 2008 , 39, 364-373	8.4	42
198	Fluorinated carbon fibres and their suitability as reinforcement for fluoropolymers. <i>Composites Science and Technology</i> , 2007 , 67, 2699-2706	8.6	42
197	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
196	Surface and bulk properties of severely fluorinated carbon fibres. <i>Journal of Fluorine Chemistry</i> , 2007 , 128, 1359-1368	2.1	41
195	Characterization of several modified jute fibers using zeta-potential measurements. <i>Colloid and Polymer Science</i> , 2000 , 278, 229-235	2.4	41

194	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
193	Mapping local microstructure and mechanical performance around carbon nanotube grafted silica fibres: methodologies for hierarchical composites. <i>Nanoscale</i> , 2011 , 3, 4759-67	7.7	40
192	Nondestructive technique for the characterization of the pore size distribution of soft porous constructs for tissue engineering. <i>Langmuir</i> , 2006 , 22, 3235-42	4	40
191	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
190	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
189	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
188	Carbohydrate derived copoly(lactide) as the compatibilizer for bacterial cellulose reinforced polylactide nanocomposites. <i>Composites Science and Technology</i> , 2012 , 72, 1646-1650	8.6	39
187	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
186	Surface modification of lignocellulosic fibres in atmospheric air pressure plasma. <i>Green Chemistry</i> , 2007 , 9, 1057	10	38
185	Nitrate removal from water using a nanopaper ion-exchanger. <i>Environmental Science: Water Research and Technology</i> , 2016 , 2, 117-124	4.2	37
184	Hyperscrosslinked polyHIPEs as precursors to designable, hierarchically porous carbon foams. <i>Polymer</i> , 2017 , 115, 146-153	3.9	37
183	High Internal Phase Emulsions Stabilized Solely by Functionalized Silica Particles. <i>Angewandte Chemie</i> , 2008 , 120, 8401-8403	3.6	37
182	Nanomaterials Derived from Fungal Sources-Is It the New Hype?. <i>Biomacromolecules</i> , 2020 , 21, 30-55	6.9	37
181	Microstructuring of Glasses. <i>Springer Series in Materials Science</i> , 2008 ,	0.9	36
180	Atmospheric plasma treatment of porous polymer constructs for tissue engineering applications. <i>Macromolecular Bioscience</i> , 2007 , 7, 315-27	5.5	36
179	Basic and acidic surface oxides on carbon fiber and their influence on the expected adhesion to polyamide. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1999 , 159, 341-350	5.1	36
178	Cellulose nanocrystals by acid vapour: towards more effortless isolation of cellulose nanocrystals. <i>Faraday Discussions</i> , 2017 , 202, 315-330	3.6	35
177	Inflatable Elastomeric Macroporous Polymers Synthesized from Medium Internal Phase Emulsion Templates. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 19243-50	9.5	35

176	Continuous carbon nanotube synthesis on charged carbon fibers. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018 , 112, 525-538	8.4	35
175	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
174	Antagonistic effects between magnetite nanoparticles and a hydrophobic surfactant in highly concentrated Pickering emulsions. <i>Langmuir</i> , 2014 , 30, 5064-74	4	34
173	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
172	Porous Copolymers of ϵ -Caprolactone as Scaffolds for Tissue Engineering. <i>Macromolecules</i> , 2013 , 46, 8136-8143	5.5	34
171	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
170	Noncovalent Surface Modification of Cellulose Nanopapers by Adsorption of Polymers from Aprotic Solvents. <i>Langmuir</i> , 2017 , 33, 5707-5712	4	33
169	A versatile, solvent-free methodology for the functionalisation of carbon nanotubes. <i>Chemical Science</i> , 2010 , 1, 603	9.4	33
168	Electrografting of thiophene, carbazole, pyrrole and their copolymers onto carbon fibers: electrokinetic measurements, surface composition and morphology. <i>Synthetic Metals</i> , 2001 , 123, 391-401	3.6	33
167	Ice-microsphere templating to produce highly porous nanocomposite PLA matrix scaffolds with pores selectively lined by bacterial cellulose nano-whiskers. <i>Composites Science and Technology</i> , 2010 , 70, 1879-1888	8.6	32
166	Polyaniline hollow fibres for organic solvent nanofiltration. <i>Chemical Communications</i> , 2008 , 6324-6	5.8	32
165	Recombinant biosynthesis of bacterial cellulose in genetically modified <i>Escherichia coli</i> . <i>Bioprocess and Biosystems Engineering</i> , 2018 , 41, 265-279	3.7	32
164	Waste-Derived Low-Cost Mycelium Nanopapers with Tunable Mechanical and Surface Properties. <i>Biomacromolecules</i> , 2019 , 20, 3513-3523	6.9	31
163	Adhesion and friction behavior between fluorinated carbon fibers and poly(vinylidene fluoride). <i>Journal of Materials Science</i> , 2003 , 38, 4965-4972	4.3	31
162	The use of a single-fibre pull-out test to investigate the influence of acidic and basic surface groups on carbon fibres on the adhesion to poly(phenylene sulfide) and matrix-morphology-dependent fracture behaviour. <i>Composites Science and Technology</i> , 2001 , 61, 1703-1710	8.6	31
161	Leather-like material biofabrication using fungi. <i>Nature Sustainability</i> , 2021 , 4, 9-16	22.1	31
160	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
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