

Carmen Freire

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.

231
papers

10,525
citations

57
h-index

89
g-index

243
ext. papers

12,108
ext. citations

6.4
avg, IF

6.49
L-index

#	Paper	IF	Citations
231	Improved Production of 5-Hydroxymethylfurfural in Acidic Deep Eutectic Solvents Using Microwave-Assisted Reactions.. <i>International Journal of Molecular Sciences</i> , 2022 , 23,	6.3	1
230	Boosting Antibiotics Performance by New Formulations with Deep Eutectic Solvents.. <i>International Journal of Pharmaceutics</i> , 2022 , 616, 121566	6.5	2
229	Natural Polymers-Based Materials: A Contribution to a Greener Future.. <i>Molecules</i> , 2021 , 27,	4.8	5
228	Spherical Cellulose Micro and Nanoparticles: A Review of Recent Developments and Applications. <i>Nanomaterials</i> , 2021 , 11,	5.4	5
227	Ionic Liquids in Drug Delivery. <i>Encyclopedia</i> , 2021 , 1, 324-339		6
226	Bacterial nanocellulose-hyaluronic acid microneedle patches for skin applications: In vitro and in vivo evaluation. <i>Materials Science and Engineering C</i> , 2021 , 118, 111350	8.3	25
225	Wood delignification with aqueous solutions of deep eutectic solvents. <i>Industrial Crops and Products</i> , 2021 , 160, 113128	5.9	11
224	Unveiling Modifications of Biomass Polysaccharides during Thermal Treatment in Cholinium Chloride : Lactic Acid Deep Eutectic Solvent. <i>ChemSusChem</i> , 2021 , 14, 686-698	8.3	5
223	Metabolic Effects of a Bark Lipophilic Extract on Triple Negative Breast Cancer and Nontumor Breast Epithelial Cells. <i>Journal of Proteome Research</i> , 2021 , 20, 565-575	5.6	2
222	Bio-based sustainable films from the Algerian <i>Opuntia ficus-indica</i> cladodes powder: Effect of plasticizer content. <i>Journal of Applied Polymer Science</i> , 2021 , 138, 50450	2.9	4
221	Bacterial Nanocellulose toward Green Cosmetics: Recent Progresses and Challenges. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	19
220	Cellulose Nanocrystals/Chitosan-Based Nanosystems: Synthesis, Characterization, and Cellular Uptake on Breast Cancer Cells. <i>Nanomaterials</i> , 2021 , 11,	5.4	6
219	Integrated Production and Separation of Furfural Using an Acidic-Based Aqueous Biphasic System. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 12205-12212	8.3	1
218	Biobased films of nanocellulose and mango leaf extract for active food packaging: Supercritical impregnation versus solvent casting. <i>Food Hydrocolloids</i> , 2021 , 117, 106709	10.6	21
217	Effect of the Micronization of Pulp Fibers on the Properties of Green Composites. <i>Molecules</i> , 2021 , 26,	4.8	4
216	Deep Eutectic Solvents and Pharmaceuticals. <i>Encyclopedia</i> , 2021 , 1, 942-963		5
215	Active Packaging 2021 , 315-341		1

214	Functionalization of Betulinic Acid with Polyphenolic Fragments for the Development of New Amphiphilic Antioxidants. <i>Antioxidants</i> , 2021 , 10,	7.1	3
213	Enhanced Furfural Production in Deep Eutectic Solvents Comprising Alkali Metal Halides as Additives. <i>Molecules</i> , 2021 , 26,	4.8	1
212	The Role of Ionic Liquids in the Pharmaceutical Field: An Overview of Relevant Applications. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	39
211	Valorisation of chestnut spiny burs and roasted hazelnut skins extracts as bioactive additives for packaging films. <i>Industrial Crops and Products</i> , 2020 , 151, 112491	5.9	14
210	Aqueous solutions of deep eutectic systems as reaction media for the saccharification and fermentation of hardwood xylan into xylitol. <i>Bioresource Technology</i> , 2020 , 311, 123524	11	18
209	Antioxidant and antimicrobial films based on brewers spent grain arabinoxylans, nanocellulose and feruloylated compounds for active packaging. <i>Food Hydrocolloids</i> , 2020 , 108, 105836	10.6	37
208	Multifunctional hybrid structures made of open-cell aluminum foam impregnated with cellulose/graphene nanocomposites. <i>Carbohydrate Polymers</i> , 2020 , 238, 116197	10.3	9
207	One-Minute Synthesis of Size-Controlled Fucoidan-Gold Nanosystems: Antitumoral Activity and Dark Field Imaging. <i>Materials</i> , 2020 , 13,	3.5	4
206	Highly Electroconductive Nanopapers Based on Nanocellulose and Copper Nanowires: A New Generation of Flexible and Sustainable Electrical Materials. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 34208-34216	9.5	11
205	Ultra-low noise PEDOT:PSS electrodes on bacterial cellulose: A sensor to access bioelectrical signals in non-electrogenic cells. <i>Organic Electronics</i> , 2020 , 85, 105882	3.5	7
204	Topical Drug Delivery Systems Based on Bacterial Nanocellulose: Accelerated Stability Testing. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	21
203	Bacterial nanocellulose membranes loaded with vitamin B-based ionic liquids for dermal care applications. <i>Journal of Molecular Liquids</i> , 2020 , 302, 112547	6	26
202	Pullulan microneedle patches for the efficient transdermal administration of insulin envisioning diabetes treatment. <i>Carbohydrate Polymers</i> , 2020 , 241, 116314	10.3	24
201	Understanding the Structure and Dynamics of Nanocellulose-Based Composites with Neutral and ionic Poly(methacrylate) Derivatives using Inelastic Neutron Scattering and DFT Calculations. <i>Molecules</i> , 2020 , 25,	4.8	6
200	Dual nanofibrillar-based bio-sorbent films composed of nanocellulose and lysozyme nanofibrils for mercury removal from spring waters. <i>Carbohydrate Polymers</i> , 2020 , 238, 116210	10.3	16
199	Conductive polysaccharides-based proton-exchange membranes for fuel cell applications: The case of bacterial cellulose and fucoidan. <i>Carbohydrate Polymers</i> , 2020 , 230, 115604	10.3	25
198	Extraction of High Value Triterpenic Acids from Biomass Using Hydrophobic Deep Eutectic Solvents. <i>Molecules</i> , 2020 , 25,	4.8	13
197	Enhanced Conversion of Xylan into Furfural using Acidic Deep Eutectic Solvents with Dual Solvent and Catalyst Behavior. <i>ChemSusChem</i> , 2020 , 13, 784-790	8.3	39

196	Resistive switching of silicon-silver thin film devices in flexible substrates. <i>Nanotechnology</i> , 2020 , 31, 135702	3.4	3
195	Poly(4-styrene sulfonic acid)/bacterial cellulose membranes: Electrochemical performance in a single-chamber microbial fuel cell. <i>Bioresource Technology Reports</i> , 2020 , 9, 100376	4.1	13
194	Multifunctional nanofibrous patches composed of nanocellulose and lysozyme nanofibers for cutaneous wound healing. <i>International Journal of Biological Macromolecules</i> , 2020 , 165, 1198-1210	7.9	20
193	Flexible Nanocellulose/Lignosulfonates Ion-Conducting Separators for Polymer Electrolyte Fuel Cells. <i>Nanomaterials</i> , 2020 , 10,	5.4	5
192	Use of Ionic Liquids and Deep Eutectic Solvents in Polysaccharides Dissolution and Extraction Processes towards Sustainable Biomass Valorization. <i>Molecules</i> , 2020 , 25,	4.8	38
191	Swellable Gelatin Methacryloyl Microneedles for Extraction of Interstitial Skin Fluid toward Minimally Invasive Monitoring of Urea. <i>Macromolecular Bioscience</i> , 2020 , 20, e2000195	5.5	12
190	Grafting Poly(Methyl Methacrylate) (PMMA) from Cork via Atom Transfer Radical Polymerization (ATRP) towards Higher Quality of Three-Dimensional (3D) Printed PMMA/Cork--PMMA Materials. <i>Polymers</i> , 2020 , 12,	4.5	7
189	Antibacterial Multi-Layered Nanocellulose-Based Patches Loaded with Dexpanthenol for Wound Healing Applications. <i>Nanomaterials</i> , 2020 , 10,	5.4	7
188	Recent trends on the development of systems for cancer diagnosis and treatment by microfluidic technology. <i>Applied Materials Today</i> , 2020 , 18, 100450	6.6	12
187	Nanocellulose-Based Patches Loaded with Hyaluronic Acid and Diclofenac towards Aphthous Stomatitis Treatment. <i>Nanomaterials</i> , 2020 , 10,	5.4	9
186	Latest Advances on Bacterial Cellulose-Based Materials for Wound Healing, Delivery Systems, and Tissue Engineering. <i>Biotechnology Journal</i> , 2019 , 14, e1900059	5.6	60
185	Poly(glycidyl methacrylate)/bacterial cellulose nanocomposites: Preparation, characterization and post-modification. <i>International Journal of Biological Macromolecules</i> , 2019 , 127, 618-627	7.9	10
184	Zwitterionic Nanocellulose-Based Membranes for Organic Dye Removal. <i>Materials</i> , 2019 , 12,	3.5	28
183	Hydrotropy and Cosolvency in Lignin Solubilization with Deep Eutectic Solvents. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 ,	8.3	9
182	New Materials Based on Cationic Porphyrins Conjugated to Chitosan or Titanium Dioxide: Synthesis, Characterization and Antimicrobial Efficacy. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	26
181	Silylation of bacterial cellulose to design membranes with intrinsic anti-bacterial properties. <i>Carbohydrate Polymers</i> , 2019 , 220, 71-78	10.3	15
180	Biosynthesis and bioactivity of <i>Cynara cardunculus</i> L. guaianolides and hydroxycinnamic acids: a genomic, biochemical and health-promoting perspective. <i>Phytochemistry Reviews</i> , 2019 , 18, 495-526	7.7	6
179	Nanocellulose-based antifungal nanocomposites against the polymorphic fungus <i>Candida albicans</i> . <i>Carbohydrate Polymers</i> , 2019 , 217, 207-216	10.3	23

178	A compendium of current developments on polysaccharide and protein-based microneedles. <i>International Journal of Biological Macromolecules</i> , 2019 , 136, 704-728	7.9	22
177	Valorisation of bark lipophilic fractions from three Portuguese <i>Salix</i> species: A systematic study of the chemical composition and inhibitory activity on <i>Escherichia coli</i> . <i>Industrial Crops and Products</i> , 2019 , 132, 245-252	5.9	10
176	Deep eutectic solvents comprising active pharmaceutical ingredients in the development of drug delivery systems. <i>Expert Opinion on Drug Delivery</i> , 2019 , 16, 497-506	8	45
175	Recent Developments in the Functionalization of Betulinic Acid and Its Natural Analogues: A Route to New Bioactive Compounds. <i>Molecules</i> , 2019 , 24,	4.8	45
174	Nanocellulose-based materials as components of polymer electrolyte fuel cells. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 20045-20074	13	44
173	Design of Nonsteroidal Anti-Inflammatory Drug-Based Ionic Liquids with Improved Water Solubility and Drug Delivery. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 14126-14134	8.3	32
172	Synthesis and characterization of photoactive porphyrin and poly(2-hydroxyethyl methacrylate) based materials with bactericidal properties. <i>Applied Materials Today</i> , 2019 , 16, 332-341	6.6	17
171	Antimicrobial and Conductive Nanocellulose-Based Films for Active and Intelligent Food Packaging. <i>Nanomaterials</i> , 2019 , 9,	5.4	40
170	Bio-based synthesis of oxidation resistant copper nanowires using an aqueous plant extract. <i>Journal of Cleaner Production</i> , 2019 , 221, 122-131	10.3	18
169	The Health-Promoting Potential of spp. Bark Polar Extracts: Key Insights on Phenolic Composition and In Vitro Bioactivity and Biocompatibility. <i>Antioxidants</i> , 2019 , 8,	7.1	14
168	Anti-inflammatory and antioxidant nanostructured cellulose membranes loaded with phenolic-based ionic liquids for cutaneous application. <i>Carbohydrate Polymers</i> , 2019 , 206, 187-197	10.3	41
167	Physicochemical surface properties of bacterial cellulose/polymethacrylate nanocomposites: an approach by inverse gas chromatography. <i>Carbohydrate Polymers</i> , 2019 , 206, 86-93	10.3	16
166	Exploiting poly(ϵ -caprolactone) and cellulose nanofibrils modified with latex nanoparticles for the development of biodegradable nanocomposites. <i>Polymer Composites</i> , 2019 , 40, 1342-1353	3	14
165	NMR Metabolomics Reveals Metabolism-Mediated Protective Effects in Liver (HepG2) Cells Exposed to Subtoxic Levels of Silver Nanoparticles. <i>Journal of Proteome Research</i> , 2018 , 17, 1636-1646	5.6	13
164	Deep Eutectic Solvent Aqueous Solutions as Efficient Media for the Solubilization of Hardwood Xylans. <i>ChemSusChem</i> , 2018 , 11, 753-762	8.3	53
163	Extraction and recovery processes for cynaropicrin from <i>Cynara cardunculus</i> L. using aqueous solutions of surface-active ionic liquids. <i>Biophysical Reviews</i> , 2018 , 10, 915-925	3.7	14
162	Tuning lysozyme nanofibers dimensions using deep eutectic solvents for improved reinforcement ability. <i>International Journal of Biological Macromolecules</i> , 2018 , 115, 518-527	7.9	12
161	Hydrogen Bond Dynamics of Cellulose through Inelastic Neutron Scattering Spectroscopy. <i>Biomacromolecules</i> , 2018 , 19, 1305-1313	6.9	16

160	Effect of unrefined crude glycerol composition on the properties of polyurethane foams. <i>Journal of Cellular Plastics</i> , 2018 , 54, 633-649	1.5	17
159	Poly(bis[2-(methacryloyloxy)ethyl] phosphate)/Bacterial Cellulose Nanocomposites: Preparation, Characterization and Application as Polymer Electrolyte Membranes. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 1145	2.6	26
158	Furanoate-Based Nanocomposites: A Case Study Using Poly(Butylene 2,5-Furanoate) and Poly(Butylene 2,5-Furanoate)--(Butylene Diglycolate) and Bacterial Cellulose. <i>Polymers</i> , 2018 , 10,	4.5	13
157	Ionic liquids as promoters of fast lysozyme fibrillation. <i>Journal of Molecular Liquids</i> , 2018 , 272, 456-467	6	11
156	A concise guide to active agents for active food packaging. <i>Trends in Food Science and Technology</i> , 2018 , 80, 212-222	15.3	187
155	Pullulan-based nanocomposite films for functional food packaging: Exploiting lysozyme nanofibers as antibacterial and antioxidant reinforcing additives. <i>Food Hydrocolloids</i> , 2018 , 77, 921-930	10.6	81
154	Chemical Composition of Lipophilic Bark Extracts from Pinus pinaster and Pinus pinea Cultivated in Portugal. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 2575	2.6	6
153	Protonic conductivity and fuel cell tests of nanocomposite membranes based on bacterial cellulose. <i>Electrochimica Acta</i> , 2017 , 233, 52-61	6.7	35
152	Poly(N-methacryloyl glycine)/nanocellulose composites as pH-sensitive systems for controlled release of diclofenac. <i>Carbohydrate Polymers</i> , 2017 , 169, 357-365	10.3	46
151	Demystifying the morphology and size control on the biosynthesis of gold nanoparticles using Eucalyptus globulus bark extract. <i>Industrial Crops and Products</i> , 2017 , 105, 83-92	5.9	23
150	Thermosetting AESO-bacterial cellulose nanocomposite foams with tailored mechanical properties obtained by Pickering emulsion templating. <i>Polymer</i> , 2017 , 118, 127-134	3.9	21
149	Eucalyptus spp. outer bark extracts inhibit Helicobacter pylori growth: in vitro studies. <i>Industrial Crops and Products</i> , 2017 , 105, 207-214	5.9	12
148	Exploiting poly(ionic liquids) and nanocellulose for the development of bio-based anion-exchange membranes. <i>Biomass and Bioenergy</i> , 2017 , 100, 116-125	5.3	29
147	Enhanced Solubility of Lignin Monomeric Model Compounds and Technical Lignins in Aqueous Solutions of Deep Eutectic Solvents. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 4056-4065	8.3	94
146	Antimicrobial Properties and Therapeutic Applications of Silver Nanoparticles and Nanocomposites 2017 , 223-259		5
145	Aqueous solutions of surface-active ionic liquids: remarkable alternative solvents to improve the solubility of triterpenic acids and their extraction from biomass. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 7344-7351	8.3	40
144	Bioactive chitosan/ellagic acid films with UV-light protection for active food packaging. <i>Food Hydrocolloids</i> , 2017 , 73, 120-128	10.6	100
143	Secondary metabolites from Eucalyptus grandis wood cultivated in Portugal, Brazil and South Africa. <i>Industrial Crops and Products</i> , 2017 , 95, 357-364	5.9	21

142	Multilayered materials based on biopolymers as drug delivery systems. <i>Expert Opinion on Drug Delivery</i> , 2017 , 14, 189-200	8	21
141	Control of <i>Listeria innocua</i> biofilms by biocompatible photodynamic antifouling chitosan based materials. <i>Dyes and Pigments</i> , 2017 , 137, 265-276	4.6	35
140	1 Development and applications of cellulose nanofibres based polymer nanocomposites 2017 , 1-65		2
139	Deep Eutectic Solvents as Efficient Media for the Extraction and Recovery of Cynaropicrin from <i>Cynara cardunculus</i> L. Leaves. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	24
138	Nanocellulose/poly(methacryloyloxyethyl phosphate) composites as proton separator materials. <i>Cellulose</i> , 2016 , 23, 3677-3689	5.5	22
137	Profiling of lipophilic and phenolic phytochemicals of four cultivars from cherimoya (<i>Annona cherimola</i> Mill.). <i>Food Chemistry</i> , 2016 , 211, 845-52	8.5	17
136	Fluorescent Bioactive Corrole Grafted-Chitosan Films. <i>Biomacromolecules</i> , 2016 , 17, 1395-403	6.9	42
135	Nafion [®] and nanocellulose: A partnership for greener polymer electrolyte membranes. <i>Industrial Crops and Products</i> , 2016 , 93, 212-218	5.9	49
134	New unsaturated copolyesters based on 2,5-furandicarboxylic acid and their crosslinked derivatives. <i>Polymer Chemistry</i> , 2016 , 7, 1049-1058	4.9	48
133	Antiproliferative Effects of <i>Cynara cardunculus</i> L. var. <i>atilis</i> (DC) Lipophilic Extracts. <i>International Journal of Molecular Sciences</i> , 2016 , 18,	6.3	24
132	Timesaving microwave assisted synthesis of insulin amyloid fibrils with enhanced nanofiber aspect ratio. <i>International Journal of Biological Macromolecules</i> , 2016 , 92, 225-231	7.9	5
131	Ionic liquids in chromatographic and electrophoretic techniques: toward additional improvements in the separation of natural compounds. <i>Green Chemistry</i> , 2016 , 18, 4582-4604	10	42
130	Unravelling the distinct crystallinity and thermal properties of suberin compounds from <i>Quercus suber</i> and <i>Betula pendula</i> outer barks. <i>International Journal of Biological Macromolecules</i> , 2016 , 93, 686-694	7.9	9
129	Production of lysozyme nanofibers using deep eutectic solvent aqueous solutions. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016 , 147, 36-44	6	25
128	Bioactive transparent films based on polysaccharides and cholinium carboxylate ionic liquids. <i>Green Chemistry</i> , 2015 , 17, 4291-4299	10	36
127	Biobased polyesters and other polymers from 2,5-furandicarboxylic acid: a tribute to furan excellency. <i>Polymer Chemistry</i> , 2015 , 6, 5961-5983	4.9	411
126	Chlorophyta and Rhodophyta macroalgae: a source of health promoting phytochemicals. <i>Food Chemistry</i> , 2015 , 183, 122-8	8.5	61
125	Polymeric ionic liquid-based membranes: Influence of polycation variation on gas transport and CO ₂ selectivity properties. <i>Journal of Membrane Science</i> , 2015 , 486, 40-48	9.6	81

124	Novel pyrrolidinium-based polymeric ionic liquids with cyano counter-anions: High performance membrane materials for post-combustion CO ₂ separation. <i>Journal of Membrane Science</i> , 2015 , 483, 155-165	9.6	72
123	Bio-based polyurethane foams toward applications beyond thermal insulation. <i>Materials & Design</i> , 2015 , 76, 77-85		94
122	Rigid polyurethane foams derived from cork liquefied at atmospheric pressure. <i>Polymer International</i> , 2015 , 64, 250-257	3.3	35
121	Spent coffee grounds as a renewable source for ecopolyols production. <i>Journal of Chemical Technology and Biotechnology</i> , 2015 , 90, 1480-1488	3.5	28
120	Bioactive Phytochemicals from Wild Arbutus unedo L. Berries from Different Locations in Portugal: Quantification of Lipophilic Components. <i>International Journal of Molecular Sciences</i> , 2015 , 16, 14194-2093	6.3	19
119	Polyethylene Terephthalate: Copolyesters, Composites, and Renewable Alternatives 2015 , 113-141		3
118	In situ synthesis of bacterial cellulose/polycaprolactone blends for hot pressing nanocomposite films production. <i>Carbohydrate Polymers</i> , 2015 , 132, 400-8	10.3	28
117	Antimicrobial bacterial cellulose nanocomposites prepared by in situ polymerization of 2-aminoethyl methacrylate. <i>Carbohydrate Polymers</i> , 2015 , 123, 443-53	10.3	49
116	Recent Advances on the Development of Antibacterial Polysaccharide-Based Materials 2015 , 1751-1803		5
115	Screening of lipophilic and phenolic extractives from different morphological parts of Halimione portulacoides. <i>Industrial Crops and Products</i> , 2014 , 52, 373-379	5.9	19
114	Unveiling the dual role of the cholinium hexanoate ionic liquid as solvent and catalyst in suberin depolymerisation. <i>RSC Advances</i> , 2014 , 4, 2993-3002	3.7	34
113	Antimicrobial pullulan derivative prepared by grafting with 3-aminopropyltrimethoxysilane: Characterization and ability to form transparent films. <i>Food Hydrocolloids</i> , 2014 , 35, 247-252	10.6	45
112	Ecopolyol Production from Industrial Cork Powder via Acid Liquefaction Using Polyhydric Alcohols. <i>ACS Sustainable Chemistry and Engineering</i> , 2014 , 2, 846-854	8.3	44
111	Nanostructured bacterial cellulose-poly(4-styrene sulfonic acid) composite membranes with high storage modulus and protonic conductivity. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 7864-75	9.5	65
110	Bacterial cellulose membranes as drug delivery systems: an in vivo skin compatibility study. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014 , 86, 332-6	5.7	139
109	The quest for sustainable polyesters Insights into the future. <i>Polymer Chemistry</i> , 2014 , 5, 3119-3141	4.9	361
108	Unveiling the chemistry behind the green synthesis of metal nanoparticles. <i>ChemSusChem</i> , 2014 , 7, 2704-2711	4.1	26
107	Bacterial cellulose as carrier for immobilization of laccase: Optimization and characterization. <i>Engineering in Life Sciences</i> , 2014 , 14, 500-508	3.4	29

106	Playing with ionic liquid mixtures to design engineered CO ₂ separation membranes. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 17172-82	3.6	62
105	Polymeric ionic liquid membranes containing IL ^{Ag+} for ethylene/ethane separation via olefin-facilitated transport. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 5631	13	65
104	Phenolic composition and antioxidant activity of different morphological parts of <i>Cynara cardunculus</i> L. var. <i>altilis</i> (DC). <i>Industrial Crops and Products</i> , 2014 , 61, 460-471	5.9	50
103	Topical caffeine delivery using biocellulose membranes: a potential innovative system for cellulite treatment. <i>Cellulose</i> , 2014 , 21, 665-674	5.5	51
102	One-pot synthesis of biofoams from castor oil and cellulose microfibers for energy absorption impact materials. <i>Cellulose</i> , 2014 , 21, 1723-1733	5.5	9
101	Ex situ reconstitution of the plant biopolyester suberin as a film. <i>Biomacromolecules</i> , 2014 , 15, 1806-13	6.9	33
100	Bacterial cellulose membranes as transdermal delivery systems for diclofenac: in vitro dissolution and permeation studies. <i>Carbohydrate Polymers</i> , 2014 , 106, 264-9	10.3	98
99	Protein-based materials: from sources to innovative sustainable materials for biomedical applications. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 3715-3740	7.3	109
98	Do bacterial cellulose membranes have potential in drug-delivery systems?. <i>Expert Opinion on Drug Delivery</i> , 2014 , 11, 1113-24	8	58
97	Lipophilic phytochemicals from banana fruits of several <i>Musa</i> species. <i>Food Chemistry</i> , 2014 , 162, 247-528.5	5	44
96	Bioactive Triterpenic Acids: From Agroforestry Biomass Residues to Promising Therapeutic Tools. <i>Mini-Reviews in Organic Chemistry</i> , 2014 , 11, 382-399	1.7	43
95	Cholinium-based supported ionic liquid membranes: a sustainable route for carbon dioxide separation. <i>ChemSusChem</i> , 2014 , 7, 110-3	8.3	62
94	An overview of luminescent bio-based composites. <i>Journal of Applied Polymer Science</i> , 2014 , 131, n/a-n/a.9	19	
93	Bacterial Cellulose-Based Nanocomposites: Roadmap for Innovative Materials 2014 , 17-64		3
92	A New Generation of Furanic Copolyesters with Enhanced Degradability: Poly(ethylene 2,5-furandicarboxylate)-co-poly(lactic acid) Copolyesters. <i>Macromolecular Chemistry and Physics</i> , 2014 , 215, 2175-2184	2.6	77
91	Recent Advances on the Development of Antibacterial Polysaccharide-Based Materials 2014 , 1-46		1
90	Pyrrolidinium-based polymeric ionic liquid materials: New perspectives for CO ₂ separation membranes. <i>Journal of Membrane Science</i> , 2013 , 428, 260-266	9.6	136
89	CO ₂ separation applying ionic liquid mixtures: the effect of mixing different anions on gas permeation through supported ionic liquid membranes. <i>RSC Advances</i> , 2013 , 3, 12220	3.7	80

88	Novel sustainable composites prepared from cork residues and biopolymers. <i>Biomass and Bioenergy</i> , 2013 , 55, 148-155	5.3	35
87	Lipophilic extracts of <i>Cynara cardunculus</i> L. var. <i>altilis</i> (DC): a source of valuable bioactive terpenic compounds. <i>Journal of Agricultural and Food Chemistry</i> , 2013 , 61, 8420-9	5.7	60
86	The ripe pulp of <i>Mangifera indica</i> L.: A rich source of phytosterols and other lipophilic phytochemicals. <i>Food Research International</i> , 2013 , 54, 1535-1540	7	29
85	Ultra-high performance liquid chromatography coupled to mass spectrometry applied to the identification of valuable phenolic compounds from <i>Eucalyptus</i> wood. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2013 , 938, 65-74	3.2	57
84	Microwave assisted extraction of betulin from birch outer bark. <i>RSC Advances</i> , 2013 , 3, 21285	3.7	11
83	Antifungal activity of transparent nanocomposite thin films of pullulan and silver against <i>Aspergillus niger</i> . <i>Colloids and Surfaces B: Biointerfaces</i> , 2013 , 103, 143-8	6	86
82	Polymeric ionic liquids with mixtures of counter-anions: a new straightforward strategy for designing pyrrolidinium-based CO ₂ separation membranes. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 10403	13	56
81	Novel cellulose-based composites based on nanofibrillated plant and bacterial cellulose: recent advances at the University of Aveiro – a review. <i>Holzforschung</i> , 2013 , 67, 603-612	2	27
80	High valuable compounds from the unripe peel of several <i>Musa</i> species cultivated in Madeira Island (Portugal). <i>Industrial Crops and Products</i> , 2013 , 42, 507-512	5.9	26
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