

Armando Silvestre

List of Publications by Citations

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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.

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|--------------------|--------------------------|----------------|----------------|
| 362 papers | 14,417 citations | 62 h-index | 99 g-index |
| 380 ext. papers | 16,422 ext. citations | 5.8 avg, IF | 6.8 L-index |

| # | Paper | IF | Citations |
|-----|--|------|-----------|
| 362 | 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 |
| 361 | The furan counterpart of poly(ethylene terephthalate): An alternative material based on renewable resources. <i>Journal of Polymer Science Part A</i> , 2009 , 47, 295-298 | 2.5 | 365 |
| 360 | The quest for sustainable polyesters Insights into the future. <i>Polymer Chemistry</i> , 2014 , 5, 3119-3141 | 4.9 | 361 |
| 359 | Supercritical fluid extraction of vegetable matrices: Applications, trends and future perspectives of a convincing green technology. <i>Journal of Supercritical Fluids</i> , 2014 , 92, 115-176 | 4.2 | 304 |
| 358 | Synthesis and characterization of poly(2,5-furan dicarboxylate)s based on a variety of diols. <i>Journal of Polymer Science Part A</i> , 2011 , 49, 3759-3768 | 2.5 | 259 |
| 357 | Materials from renewable resources based on furan monomers and furan chemistry: work in progress. <i>Journal of Materials Chemistry</i> , 2009 , 19, 8656 | | 197 |
| 356 | Transparent chitosan films reinforced with a high content of nanofibrillated cellulose. <i>Carbohydrate Polymers</i> , 2010 , 81, 394-401 | 10.3 | 185 |
| 355 | Novel transparent nanocomposite films based on chitosan and bacterial cellulose. <i>Green Chemistry</i> , 2009 , 11, 2023 | 10 | 184 |
| 354 | Controlled heterogeneous modification of cellulose fibers with fatty acids: Effect of reaction conditions on the extent of esterification and fiber properties. <i>Journal of Applied Polymer Science</i> , 2006 , 100, 1093-1102 | 2.9 | 181 |
| 353 | Bioinspired antimicrobial and biocompatible bacterial cellulose membranes obtained by surface functionalization with aminoalkyl groups. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 3290-7 | 9.5 | 175 |
| 352 | meso-Substituted expanded porphyrins: new and stable hexaphyrins. <i>Chemical Communications</i> , 1999 , 385-386 | 5.8 | 170 |
| 351 | Extraction of vanillin using ionic-liquid-based aqueous two-phase systems. <i>Separation and Purification Technology</i> , 2010 , 75, 39-47 | 8.3 | 163 |
| 350 | New biocomposites based on thermoplastic starch and bacterial cellulose. <i>Composites Science and Technology</i> , 2009 , 69, 2163-2168 | 8.6 | 152 |
| 349 | Electrostatic assembly of Ag nanoparticles onto nanofibrillated cellulose for antibacterial paper products. <i>Cellulose</i> , 2012 , 19, 1425-1436 | 5.5 | 150 |
| 348 | 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 |
| 347 | Bacterial cellulose membranes applied in topical and transdermal delivery of lidocaine hydrochloride and ibuprofen: in vitro diffusion studies. <i>International Journal of Pharmaceutics</i> , 2012 , 435, 83-7 | 6.5 | 138 |
| 346 | Suberin: A promising renewable resource for novel macromolecular materials. <i>Progress in Polymer Science</i> , 2006 , 31, 878-892 | 29.6 | 133 |

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|-----|---|------|-----|
| 345 | Utilization of residues from agro-forest industries in the production of high value bacterial cellulose. <i>Bioresource Technology</i> , 2011 , 102, 7354-60 | 11 | 131 |
| 344 | Characterization of phenolic components in polar extracts of Eucalyptus globulus Labill. bark by high-performance liquid chromatography-mass spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2011 , 59, 9386-93 | 5.7 | 128 |
| 343 | Review of kinetic models for supercritical fluid extraction. <i>Chemical Engineering Research and Design</i> , 2011 , 89, 1104-1117 | 5.5 | 120 |
| 342 | Transparent bionanocomposites with improved properties prepared from acetylated bacterial cellulose and poly(lactic acid) through a simple approach. <i>Green Chemistry</i> , 2011 , 13, 419 | 10 | 117 |
| 341 | Gluconacetobacter sacchari: An efficient bacterial cellulose cell-factory. <i>Carbohydrate Polymers</i> , 2011 , 86, 1417-1420 | 10.3 | 117 |
| 340 | Reversible click chemistry at the service of macromolecular materials. Part 1: Kinetics of the Diels-Alder reaction applied to furan-thaleimide model compounds and linear polymerizations. <i>European Polymer Journal</i> , 2008 , 44, 4029-4036 | 5.2 | 116 |
| 339 | Production of bacterial cellulose by Gluconacetobacter sacchari using dry olive mill residue. <i>Biomass and Bioenergy</i> , 2013 , 55, 205-211 | 5.3 | 115 |
| 338 | New copolyesters derived from terephthalic and 2,5-furandicarboxylic acids: A step forward in the development of biobased polyesters. <i>Polymer</i> , 2013 , 54, 513-519 | 3.9 | 112 |
| 337 | Antibacterial paper based on composite coatings of nanofibrillated cellulose and ZnO. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013 , 417, 111-119 | 5.1 | 112 |
| 336 | Seasonal distribution of polar organic compounds in the urban atmosphere of two large cities from the North and South of Europe. <i>Atmospheric Environment</i> , 2007 , 41, 5555-5570 | 5.3 | 112 |
| 335 | Biocellulose membranes as supports for dermal release of lidocaine. <i>Biomacromolecules</i> , 2011 , 12, 4162-4169 | 8.9 | 110 |
| 334 | 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 |
| 333 | Chitosan-based self-healing protective coatings doped with cerium nitrate for corrosion protection of aluminum alloy 2024. <i>Progress in Organic Coatings</i> , 2012 , 75, 8-13 | 4.8 | 105 |
| 332 | Cork suberin as a new source of chemicals. 1. Isolation and chemical characterization of its composition. <i>International Journal of Biological Macromolecules</i> , 1998 , 22, 71-80 | 7.9 | 99 |
| 331 | 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 |
| 330 | Optimization of the gallic acid extraction using ionic-liquid-based aqueous two-phase systems. <i>Separation and Purification Technology</i> , 2012 , 97, 142-149 | 8.3 | 98 |
| 329 | Pullulan-nanofibrillated cellulose composite films with improved thermal and mechanical properties. <i>Composites Science and Technology</i> , 2012 , 72, 1556-1561 | 8.6 | 97 |
| 328 | 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 |

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| 327 | Supercritical fluid extraction of phenolic compounds from Eucalyptus globulus Labill bark. <i>Journal of Supercritical Fluids</i> , 2012 , 71, 71-79 | 4.2 | 94 |
| 326 | Phenolic composition and antioxidant activity of Eucalyptus grandis, E. urograndis (E. grandisE. urophylla) and E. maidenii bark extracts. <i>Industrial Crops and Products</i> , 2012 , 39, 120-127 | 5.9 | 91 |
| 325 | Sustainable nanocomposite films based on bacterial cellulose and pullulan. <i>Cellulose</i> , 2012 , 19, 729-737 | 5.5 | 87 |
| 324 | Quercus suber and Betula pendula outer barks as renewable sources of oleochemicals: A comparative study. <i>Industrial Crops and Products</i> , 2009 , 29, 126-132 | 5.9 | 87 |
| 323 | Antifungal activity of transparent nanocomposite thin films of pullulan and silver against Aspergillus niger. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013 , 103, 143-8 | 6 | 86 |
| 322 | Composites based on acylated cellulose fibers and low-density polyethylene: Effect of the fiber content, degree of substitution and fatty acid chain length on final properties. <i>Composites Science and Technology</i> , 2008 , 68, 3358-3364 | 8.6 | 83 |
| 321 | Antimicrobial activity of pomegranate peel extracts performed by high pressure and enzymatic assisted extraction. <i>Food Research International</i> , 2019 , 115, 167-176 | 7 | 81 |
| 320 | Novel bacterial celluloseEacrylic resin nanocomposites. <i>Composites Science and Technology</i> , 2010 , 70, 1148-1153 | 8.6 | 80 |
| 319 | Identification of New Hydroxy Fatty Acids and Ferulic Acid Esters in the Wood of Eucalyptus globulus. <i>Holzforschung</i> , 2002 , 56, 143-149 | 2 | 80 |
| 318 | 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 |
| 317 | Lipophilic Extractives of the Inner and Outer Barks of Eucalyptus globulus. <i>Holzforschung</i> , 2002 , 56, 372-379 | | 76 |
| 316 | Structural characterization of the lignin from the nodes and internodes of Arundo donax reed. <i>Journal of Agricultural and Food Chemistry</i> , 2000 , 48, 817-24 | 5.7 | 73 |
| 315 | Composition of suberin extracted upon gradual alkaline methanolysis of Quercus suber L. cork. <i>Journal of Agricultural and Food Chemistry</i> , 2000 , 48, 383-91 | 5.7 | 73 |
| 314 | Phenolic profile of Sercial and Tinta Negra Vitis vinifera L. grape skins by HPLC-ESI-MSn: Novel phenolic compounds in Vitis vinifera L. grape. <i>Food Chemistry</i> , 2012 , 135, 94-104 | 8.5 | 72 |
| 313 | Preparation and characterization of bacterial cellulose membranes with tailored surface and barrier properties. <i>Cellulose</i> , 2010 , 17, 1203-1211 | 5.5 | 72 |
| 312 | Chemical composition and antioxidant activity of phenolic extracts of cork from Quercus suber L.. <i>Industrial Crops and Products</i> , 2010 , 31, 521-526 | 5.9 | 72 |
| 311 | Solvatochromic parameters of deep eutectic solvents formed by ammonium-based salts and carboxylic acids. <i>Fluid Phase Equilibria</i> , 2017 , 448, 15-21 | 2.5 | 71 |
| 310 | Inside PEF: Chain Conformation and Dynamics in Crystalline and Amorphous Domains. <i>Macromolecules</i> , 2018 , 51, 3515-3526 | 5.5 | 71 |

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|-----|---|-----|----|
| 309 | Novel materials based on chitosan and cellulose. <i>Polymer International</i> , 2011 , 60, 875-882 | 3.3 | 69 |
| 308 | Eucalyptus globulus biomass residues from pulping industry as a source of high value triterpenic compounds. <i>Industrial Crops and Products</i> , 2010 , 31, 65-70 | 5.9 | 68 |
| 307 | Chemical composition of different morphological parts from Dwarf Cavendish banana plant and their potential as a non-wood renewable source of natural products. <i>Industrial Crops and Products</i> , 2007 , 26, 163-172 | 5.9 | 68 |
| 306 | Nanostructured composites obtained by ATRP sleeving of bacterial cellulose nanofibers with acrylate polymers. <i>Biomacromolecules</i> , 2013 , 14, 2063-73 | 6.9 | 67 |
| 305 | Towards a sulfur clean fuel: Deep extraction of thiophene and dibenzothiophene using polyethylene glycol-based deep eutectic solvents. <i>Fuel</i> , 2018 , 234, 414-421 | 7.1 | 66 |
| 304 | Plant Oil-Based Long-Chain C26 Monomers and Their Polymers. <i>Macromolecular Chemistry and Physics</i> , 2012 , 213, 2220-2227 | 2.6 | 66 |
| 303 | 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 |
| 302 | High value triterpenic compounds from the outer barks of several Eucalyptus species cultivated in Brazil and in Portugal. <i>Industrial Crops and Products</i> , 2011 , 33, 158-164 | 5.9 | 65 |
| 301 | Comparative studies of fungal degradation of single or mixed bioaccessible reactive azo dyes. <i>Chemosphere</i> , 2003 , 52, 967-73 | 8.4 | 63 |
| 300 | Oxidation of unsaturated monoterpenes with hydrogen peroxide catalysed by manganese(III) porphyrin complexes. <i>Journal of Molecular Catalysis A</i> , 2001 , 172, 33-42 | | 62 |
| 299 | Chlorophyta and Rhodophyta macroalgae: a source of health promoting phytochemicals. <i>Food Chemistry</i> , 2015 , 183, 122-8 | 8.5 | 61 |
| 298 | Surface hydrophobization of bacterial and vegetable cellulose fibers using ionic liquids as solvent media and catalysts. <i>Green Chemistry</i> , 2011 , 13, 2464 | 10 | 61 |
| 297 | 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 |
| 296 | Do bacterial cellulose membranes have potential in drug-delivery systems?. <i>Expert Opinion on Drug Delivery</i> , 2014 , 11, 1113-24 | 8 | 58 |
| 295 | Optimization of the supercritical fluid extraction of triterpenic acids from Eucalyptus globulus bark using experimental design. <i>Journal of Supercritical Fluids</i> , 2013 , 74, 105-114 | 4.2 | 58 |
| 294 | Reversible click chemistry at the service of macromolecular materials. 2. Thermoreversible polymers based on the Diels-Alder reaction of an A-B furan/maleimide monomer. <i>Journal of Polymer Science Part A</i> , 2010 , 48, 2053-2056 | 2.5 | 58 |
| 293 | Ultra-high performance liquid chromatography coupled to mass spectrometry applied to the identification of valuable phenolic compounds from Eucalyptus wood. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2013 , 938, 65-74 | 3.2 | 57 |
| 292 | Analysis of the variation of the essential oil composition of Eucalyptus globulus Labill. from Portugal using multivariate statistical analysis. <i>Industrial Crops and Products</i> , 1997 , 6, 27-33 | 5.9 | 57 |

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| 291 | Oxidation of aromatic monoterpenes with hydrogen peroxide catalysed by Mn(III) porphyrin complexes. <i>Journal of Molecular Catalysis A</i> , 1999 , 137, 41-47 | | 57 |
| 290 | Chemical composition and structural features of the macromolecular components of Hibiscus cannabinus grown in Portugal. <i>Industrial Crops and Products</i> , 1996 , 5, 189-196 | 5.9 | 57 |
| 289 | Preparation of highly hydrophobic and lipophobic cellulose fibers by a straightforward gas-solid reaction. <i>Journal of Colloid and Interface Science</i> , 2010 , 344, 588-95 | 9.3 | 56 |
| 288 | What is the real value of chitosan's surface energy?. <i>Biomacromolecules</i> , 2008 , 9, 610-4 | 6.9 | 56 |
| 287 | Phenolic constituents from the core of kenaf (Hibiscus cannabinus). <i>Phytochemistry</i> , 2001 , 56, 759-67 | 4 | 56 |
| 286 | The role of nanocellulose fibers, starch and chitosan on multipolysaccharide based films. <i>Cellulose</i> , 2013 , 20, 1807-1818 | 5.5 | 54 |
| 285 | Variations in chemical composition and structure of macromolecular components in different morphological regions and maturity stages of Arundo donax. <i>Industrial Crops and Products</i> , 1997 , 6, 51-58 | 5.9 | 54 |
| 284 | Deep Eutectic Solvent Aqueous Solutions as Efficient Media for the Solubilization of Hardwood Xylans. <i>ChemSusChem</i> , 2018 , 11, 753-762 | 8.3 | 53 |
| 283 | Phenolic composition and antioxidant activity of industrial cork by-products. <i>Industrial Crops and Products</i> , 2013 , 47, 262-269 | 5.9 | 53 |
| 282 | Isolation of suberin from birch outer bark and cork using ionic liquids: A new source of macromonomers. <i>Industrial Crops and Products</i> , 2013 , 44, 520-527 | 5.9 | 53 |
| 281 | Highly hydrophobic biopolymers prepared by the surface pentafluorobenzoylation of cellulose substrates. <i>Biomacromolecules</i> , 2007 , 8, 1347-52 | 6.9 | 53 |
| 280 | Topical caffeine delivery using biocellulose membranes: a potential innovative system for cellulite treatment. <i>Cellulose</i> , 2014 , 21, 665-674 | 5.5 | 51 |
| 279 | Surface characterization by XPS, contact angle measurements and ToF-SIMS of cellulose fibers partially esterified with fatty acids. <i>Journal of Colloid and Interface Science</i> , 2006 , 301, 205-9 | 9.3 | 51 |
| 278 | Phenolic composition and antioxidant activity of different morphological parts of Cynara cardunculus L. var. altilis (DC). <i>Industrial Crops and Products</i> , 2014 , 61, 460-471 | 5.9 | 50 |
| 277 | Triterpenic and other lipophilic components from industrial cork byproducts. <i>Journal of Agricultural and Food Chemistry</i> , 2006 , 54, 6888-93 | 5.7 | 50 |
| 276 | Nafion [®] and nanocellulose: A partnership for greener polymer electrolyte membranes. <i>Industrial Crops and Products</i> , 2016 , 93, 212-218 | 5.9 | 49 |
| 275 | Antimicrobial bacterial cellulose nanocomposites prepared by in situ polymerization of 2-aminoethyl methacrylate. <i>Carbohydrate Polymers</i> , 2015 , 123, 443-53 | 10.3 | 49 |
| 274 | Genotype and sex effects on carcass and meat quality of suckling kids protected by the PGI "Cabrito de Barroso". <i>Meat Science</i> , 2007 , 75, 725-36 | 6.4 | 49 |

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| 273 | BEHAVIOR OF EUCALYPTUS GLOBULUS LIGNIN DURING KRAFT PULPING. II. ANALYSIS BY NMR, ESI/MS, AND GPC. <i>Journal of Wood Chemistry and Technology</i> , 2002 , 22, 109-125 | 2 | 49 |
| 272 | New unsaturated copolyesters based on 2,5-furandicarboxylic acid and their crosslinked derivatives. <i>Polymer Chemistry</i> , 2016 , 7, 1049-1058 | 4.9 | 48 |
| 271 | Supercritical fluid extraction of triterpenic acids from Eucalyptus globulus bark. <i>Journal of Supercritical Fluids</i> , 2012 , 70, 137-145 | 4.2 | 48 |
| 270 | Lignanamides and other phenolic constituents from the bark of kenaf (<i>Hibiscus cannabinus</i>). <i>Phytochemistry</i> , 2001 , 58, 1219-23 | 4 | 48 |
| 269 | A Perspective on PEF Synthesis, Properties, and End-Life. <i>Frontiers in Chemistry</i> , 2020 , 8, 585 | 5 | 48 |
| 268 | Renewable-based poly((ether)ester)s from 2,5-furandicarboxylic acid. <i>Polymer</i> , 2016 , 98, 129-135 | 3.9 | 47 |
| 267 | An Efficient Method for Determination of the Degree of Substitution of Cellulose Esters of Long Chain Aliphatic Acids. <i>Cellulose</i> , 2005 , 12, 449-458 | 5.5 | 47 |
| 266 | 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 |
| 265 | 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 |
| 264 | 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 |
| 263 | 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 |
| 262 | Suberin isolation from cork using ionic liquids: characterisation of ensuing products. <i>New Journal of Chemistry</i> , 2012 , 36, 2014 | 3.6 | 45 |
| 261 | Structural characterization of stalk lignin from banana plant. <i>Industrial Crops and Products</i> , 2009 , 29, 86-95 | 5.9 | 45 |
| 260 | Lignin aerobic oxidation promoted by molybdovanadophosphate polyanion [PMo ₇ V ₅ O ₄₀] ⁸⁻ Study on the oxidative cleavage of β -O-4 aryl ether structures using model compounds. <i>Journal of Molecular Catalysis A</i> , 2000 , 154, 217-224 | | 45 |
| 259 | Nanocellulose-based materials as components of polymer electrolyte fuel cells. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 20045-20074 | 13 | 44 |
| 258 | Lipophilic phytochemicals from banana fruits of several Musa species. <i>Food Chemistry</i> , 2014 , 162, 247-252 | 5 | 44 |
| 257 | Fluorescent Bioactive Corrole Grafted-Chitosan Films. <i>Biomacromolecules</i> , 2016 , 17, 1395-403 | 6.9 | 42 |
| 256 | Novel suberin-based biopolyesters: From synthesis to properties. <i>Journal of Polymer Science Part A</i> , 2011 , 49, 2281-2291 | 2.5 | 42 |

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| 255 | Supercritical fluid extraction of Eucalyptus globulus bark-A promising approach for triterpenoid production. <i>International Journal of Molecular Sciences</i> , 2012 , 13, 7648-62 | 6.3 | 42 |
| 254 | Effect of oxygen, ozone and hydrogen peroxide bleaching stages on the contents and composition of extractives of Eucalyptus globulus kraft pulps. <i>Bioresource Technology</i> , 2006 , 97, 420-8 | 11 | 42 |
| 253 | 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 |
| 252 | Photodegradation of metoprolol using a porphyrin as photosensitizer under homogeneous and heterogeneous conditions. <i>Journal of Hazardous Materials</i> , 2019 , 370, 13-23 | 12.8 | 42 |
| 251 | Reversible click chemistry at the service of macromolecular materials. <i>Polymer Chemistry</i> , 2011 , 2, 1713 | 4.9 | 41 |
| 250 | Miscanthus x giganteus extractives: a source of valuable phenolic compounds and sterols. <i>Journal of Agricultural and Food Chemistry</i> , 2009 , 57, 3626-31 | 5.7 | 41 |
| 249 | Synthesis and characterization of novel biopolyesters from suberin and model comonomers. <i>ChemSusChem</i> , 2008 , 1, 1020-5 | 8.3 | 41 |
| 248 | 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 |
| 247 | 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 |
| 246 | Reversible polymerization of novel monomers bearing furan and plant oil moieties: a double click exploitation of renewable resources. <i>RSC Advances</i> , 2012 , 2, 2966 | 3.7 | 40 |
| 245 | Cinnamic acid derivatives as promising building blocks for advanced polymers: synthesis, properties and applications. <i>Polymer Chemistry</i> , 2019 , 10, 1696-1723 | 4.9 | 40 |
| 244 | 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 |
| 243 | Valorization of olive mill residues: Antioxidant and breast cancer antiproliferative activities of hydroxytyrosol-rich extracts derived from olive oil by-products. <i>Industrial Crops and Products</i> , 2013 , 46, 359-368 | 5.9 | 39 |
| 242 | Characterisation of carbonaceous aerosols from the Azorean Island of Terceira. <i>Atmospheric Environment</i> , 2007 , 41, 1359-1373 | 5.3 | 39 |
| 241 | 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 |
| 240 | The Quest for Phenolic Compounds from Macroalgae: A Review of Extraction and Identification Methodologies. <i>Biomolecules</i> , 2019 , 9, | 5.9 | 39 |
| 239 | Tailored design of renewable copolymers based on poly(1,4-butylene 2,5-furandicarboxylate) and poly(ethylene glycol) with refined thermal properties. <i>Polymer Chemistry</i> , 2018 , 9, 722-731 | 4.9 | 38 |
| 238 | Thermoreversible nonlinear diels-alder polymerization of furan/plant oil monomers. <i>Journal of Polymer Science Part A</i> , 2013 , 51, 2260-2270 | 2.5 | 38 |

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| 237 | Characterization and evaluation of the hydrolytic stability of trifluoroacetylated cellulose fibers. <i>Journal of Colloid and Interface Science</i> , 2007 , 316, 360-6 | 9.3 | 38 |
| 236 | 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 |
| 235 | Concurrent Desulfurization and Denitrogenation of Fuels Using Deep Eutectic Solvents. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 11341-11349 | 8.3 | 37 |
| 234 | 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 |
| 233 | Lipophilic extracts from banana fruit residues: a source of valuable phytosterols. <i>Journal of Agricultural and Food Chemistry</i> , 2008 , 56, 9520-4 | 5.7 | 37 |
| 232 | Terpenes: Major Sources, Properties and Applications 2008 , 17-38 | | 36 |
| 231 | Chemical composition of the epicuticular wax from the fruits of Eucalyptus globulus. <i>Phytochemical Analysis</i> , 2005 , 16, 364-9 | 3.4 | 36 |
| 230 | Protonic conductivity and fuel cell tests of nanocomposite membranes based on bacterial cellulose. <i>Electrochimica Acta</i> , 2017 , 233, 52-61 | 6.7 | 35 |
| 229 | Novel sustainable composites prepared from cork residues and biopolymers. <i>Biomass and Bioenergy</i> , 2013 , 55, 148-155 | 5.3 | 35 |
| 228 | Control of Listeria innocua biofilms by biocompatible photodynamic antifouling chitosan based materials. <i>Dyes and Pigments</i> , 2017 , 137, 265-276 | 4.6 | 35 |
| 227 | Polymers and copolymers from fatty acid-based monomers. <i>Industrial Crops and Products</i> , 2010 , 32, 97-104 | 10.4 | 35 |
| 226 | Novel insights into biomass delignification with acidic deep eutectic solvents: a mechanistic study of EO-4 ether bond cleavage and the role of the halide counterion in the catalytic performance. <i>Green Chemistry</i> , 2020 , 22, 2474-2487 | 10 | 34 |
| 225 | 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 |
| 224 | Preparation and evaluation of the barrier properties of cellophane membranes modified with fatty acids. <i>Carbohydrate Polymers</i> , 2011 , 83, 836-842 | 10.3 | 34 |
| 223 | Structural Characterization of the Bark and Core Lignins from Kenaf (Hibiscus cannabinus). <i>Journal of Agricultural and Food Chemistry</i> , 1998 , 46, 3100-3108 | 5.7 | 34 |
| 222 | Lipophilic phytochemicals from elderberries (Sambucus nigra L.): Influence of ripening, cultivar and season. <i>Industrial Crops and Products</i> , 2015 , 71, 15-23 | 5.9 | 33 |
| 221 | Ex situ reconstitution of the plant biopolyester suberin as a film. <i>Biomacromolecules</i> , 2014 , 15, 1806-13 | 6.9 | 33 |
| 220 | Reversible click chemistry at the service of macromolecular materials. Part 4: Diels-Alder non-linear polycondensations involving polyfunctional furan and maleimide monomers. <i>Polymer Chemistry</i> , 2013 , 4, 1364-1371 | 4.9 | 33 |

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|-----|--|------|----|
| 219 | Production of Coated Papers with Improved Properties by Using a Water-Soluble Chitosan Derivative. <i>Industrial & Engineering Chemistry Research</i> , 2010 , 49, 6432-6438 | 3.9 | 33 |
| 218 | 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 |
| 217 | Biocompatible bacterial cellulose-poly(2-hydroxyethyl methacrylate) nanocomposite films. <i>BioMed Research International</i> , 2013 , 2013, 698141 | 3 | 32 |
| 216 | Carbohydrate-derived chlorinated compounds in ECF bleaching of hardwood pulps: formation, degradation, and contribution to AOX in a bleached kraft pulp mill. <i>Environmental Science & Technology</i> , 2003 , 37, 811-4 | 10.3 | 32 |
| 215 | The potential of cork from <i>Quercus suber</i> L. grown in Algeria as a source of bioactive lipophilic and phenolic compounds. <i>Industrial Crops and Products</i> , 2015 , 76, 936-945 | 5.9 | 31 |
| 214 | Chemical characterization of the lipophilic fraction of giant reed (<i>Arundo donax</i>) fibres used for pulp and paper manufacturing. <i>Industrial Crops and Products</i> , 2007 , 26, 229-236 | 5.9 | 31 |
| 213 | Structural characterization of lignin from leaf sheaths of "dwarf cavendish" banana plant. <i>Journal of Agricultural and Food Chemistry</i> , 2006 , 54, 2598-605 | 5.7 | 31 |
| 212 | Reversible hydrophobization and lipophobization of cellulose fibers via trifluoroacetylation. <i>Journal of Colloid and Interface Science</i> , 2006 , 301, 333-6 | 9.3 | 31 |
| 211 | BEHAVIOR OF EUCALYPTUS GLOBULUS LIGNIN DURING KRAFT PULPING. I. ANALYSIS BY CHEMICAL DEGRADATION METHODS. <i>Journal of Wood Chemistry and Technology</i> , 2002 , 22, 93-108 | 2 | 31 |
| 210 | Lipophilic extractives from the bark of <i>Eucalyptus grandis</i> x <i>globulus</i> , a rich source of methyl morolate: Selective extraction with supercritical CO ₂ . <i>Industrial Crops and Products</i> , 2013 , 43, 340-348 | 5.9 | 30 |
| 209 | A double click strategy applied to the reversible polymerization of furan/vegetable oil monomers. <i>Macromolecular Rapid Communications</i> , 2011 , 32, 1319-23 | 4.8 | 30 |
| 208 | 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 |
| 207 | Analysis of organophosphorus pesticides in whole blood by GC-MS-ECD with forensic purposes. <i>Journal of Clinical Forensic and Legal Medicine</i> , 2015 , 33, 28-34 | 1.7 | 29 |
| 206 | Bacterial cellulose as carrier for immobilization of laccase: Optimization and characterization. <i>Engineering in Life Sciences</i> , 2014 , 14, 500-508 | 3.4 | 29 |
| 205 | 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 |
| 204 | Preparation and characterization of novel highly omniphobic cellulose fibers organic/inorganic hybrid materials. <i>Carbohydrate Polymers</i> , 2010 , 80, 1048-1056 | 10.3 | 29 |
| 203 | Seasonal variation of particulate lipophilic organic compounds at nonurban sites in Europe. <i>Journal of Geophysical Research</i> , 2007 , 112, | | 29 |
| 202 | Lipophilic extractives from different morphological parts of banana plant Dwarf Cavendish. <i>Industrial Crops and Products</i> , 2006 , 23, 201-211 | 5.9 | 29 |

| | | | |
|-----|---|------|----|
| 201 | Zwitterionic Nanocellulose-Based Membranes for Organic Dye Removal. <i>Materials</i> , 2019 , 12, | 3.5 | 28 |
| 200 | Scale-up studies of the supercritical fluid extraction of triterpenic acids from Eucalyptus globulus bark. <i>Journal of Supercritical Fluids</i> , 2014 , 95, 44-50 | 4.2 | 28 |
| 199 | Eucalyptus globulus Bark as Source of Tannin Extracts for Application in Leather industry. <i>ACS Sustainable Chemistry and Engineering</i> , 2013 , 1, 950-955 | 8.3 | 28 |
| 198 | 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 |
| 197 | Synthesis of aliphatic suberin-like polyesters by ecofriendly catalytic systems. <i>High Performance Polymers</i> , 2012 , 24, 4-8 | 1.6 | 28 |
| 196 | Chemical composition of the light petroleum extract of Hibiscus cannabinus bark and core. <i>Phytochemical Analysis</i> , 2000 , 11, 345-350 | 3.4 | 28 |
| 195 | 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 |
| 194 | Measurement and modeling of supercritical fluid extraction curves of Eucalyptus globulus bark: Influence of the operating conditions upon yields and extract composition. <i>Journal of Supercritical Fluids</i> , 2012 , 72, 176-185 | 4.2 | 27 |
| 193 | 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 |
| 192 | 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 |
| 191 | Unveiling the chemistry behind the green synthesis of metal nanoparticles. <i>ChemSusChem</i> , 2014 , 7, 2704-2711 | 4.1 | 26 |
| 190 | High valuable compounds from the unripe peel of several Musa species cultivated in Madeira Island (Portugal). <i>Industrial Crops and Products</i> , 2013 , 42, 507-512 | 5.9 | 26 |
| 189 | Photodegradation of the fungicide thiram in aqueous solutions. Kinetic studies and identification of the photodegradation products by HPLC-MS/MS. <i>Chemosphere</i> , 2013 , 91, 993-1001 | 8.4 | 26 |
| 188 | Suberin of potato (<i>Solanum tuberosum</i> var. Nikola): comparison of the effect of cutinase CcCut1 with chemical depolymerization. <i>Journal of Agricultural and Food Chemistry</i> , 2009 , 57, 9016-27 | 5.7 | 25 |
| 187 | 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 |
| 186 | Pullulan microneedle patches for the efficient transdermal administration of insulin envisioning diabetes treatment. <i>Carbohydrate Polymers</i> , 2020 , 241, 116314 | 10.3 | 24 |
| 185 | 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 |
| 184 | Antiproliferative Effects of <i>Cynara cardunculus</i> L. var. <i>altis</i> (DC) Lipophilic Extracts. <i>International Journal of Molecular Sciences</i> , 2016 , 18, | 6.3 | 24 |

| | | | |
|-----|--|------|----|
| 183 | Steryl glucosides from banana plant <i>Musa acuminata</i> Colla var cavendish. <i>Industrial Crops and Products</i> , 2005 , 22, 187-192 | 5.9 | 24 |
| 182 | Lipophilic Extractives in <i>Eucalyptus globulus</i> Kraft Pulps. Behavior during ECF Bleaching. <i>Journal of Wood Chemistry and Technology</i> , 2005 , 25, 67-80 | 2 | 24 |
| 181 | Oxidation of natural compounds catalyzed by Mn(III) porphyrin complexes. <i>Tetrahedron Letters</i> , 1996 , 37, 1893-1896 | 2 | 24 |
| 180 | Comparative study of lipophilic extractives of hardwoods and corresponding ECF bleached kraft pulps. <i>BioResources</i> , 2006 , 1, 3-17 | 1.3 | 24 |
| 179 | Enhanced extraction and biological activity of 7-hydroxymatairesinol obtained from Norway spruce knots using aqueous solutions of ionic liquids. <i>Green Chemistry</i> , 2017 , 19, 2626-2635 | 10 | 23 |
| 178 | Demystifying the morphology and size control on the biosynthesis of gold nanoparticles using <i>Eucalyptus globulus</i> bark extract. <i>Industrial Crops and Products</i> , 2017 , 105, 83-92 | 5.9 | 23 |
| 177 | Nanocellulose-based antifungal nanocomposites against the polymorphic fungus <i>Candida albicans</i> . <i>Carbohydrate Polymers</i> , 2019 , 217, 207-216 | 10.3 | 23 |
| 176 | Prospective pathway for a green and enhanced friedelin production through supercritical fluid extraction of <i>Quercus cerris</i> cork. <i>Journal of Supercritical Fluids</i> , 2015 , 97, 247-255 | 4.2 | 23 |
| 175 | Valorization of olive tree leaves: Extraction of oleanolic acid using aqueous solutions of surface-active ionic liquids. <i>Separation and Purification Technology</i> , 2018 , 204, 30-37 | 8.3 | 23 |
| 174 | Deeper insight into the monoterpene composition of <i>Ferula gummosa</i> oleo-gum-resin from Iran. <i>Industrial Crops and Products</i> , 2012 , 36, 500-507 | 5.9 | 23 |
| 173 | Hydroperoxide production from linoleic acid by heterologous <i>Gaeumannomyces graminis tritici</i> lipxygenase: Optimization and scale-up. <i>Chemical Engineering Journal</i> , 2013 , 217, 82-90 | 14.7 | 23 |
| 172 | A study of the distribution of chitosan onto and within a paper sheet using a fluorescent chitosan derivative. <i>Carbohydrate Polymers</i> , 2009 , 78, 760-766 | 10.3 | 23 |
| 171 | Rosin: Major Sources, Properties and Applications 2008 , 67-88 | | 23 |
| 170 | Bi-phobic cellulose fibers derivatives via surface trifluoropropanoylation. <i>Langmuir</i> , 2007 , 23, 10801-6 | 4 | 23 |
| 169 | Switchable (pH-Driven) Aqueous Biphasic Systems formed by Ionic Liquids as Integrated Production-Separation Platforms. <i>Green Chemistry</i> , 2017 , 19, 2768-2773 | 10 | 22 |
| 168 | Poly(ionic liquids) in solid phase microextraction: Recent advances and perspectives. <i>Progress in Polymer Science</i> , 2019 , 98, 101148 | 29.6 | 22 |
| 167 | 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 |
| 166 | Nanocellulose/poly(methacryloyloxyethyl phosphate) composites as proton separator materials. <i>Cellulose</i> , 2016 , 23, 3677-3689 | 5.5 | 22 |

| | | | |
|-----|--|-----|----|
| 165 | Tepidimonas aquatica sp. nov., a new slightly thermophilic beta-proteobacterium isolated from a hot water tank. <i>Systematic and Applied Microbiology</i> , 2003 , 26, 376-81 | 4.2 | 22 |
| 164 | Relationship of chemical structures of textile dyes on the pre-adaptation medium and the potentialities of their biodegradation by Phanerochaete chrysosporium. <i>Research in Microbiology</i> , 2002 , 153, 361-8 | 4 | 22 |
| 163 | Characterization of lipophilic wood extractives from clones of Eucalyptus urograndis cultivate in Brazil. <i>BioResources</i> , 2007 , 2, 157-168 | 1.3 | 22 |
| 162 | Improving the Thermal Properties of Poly(2,5-furandicarboxylate)s Using Cyclohexylene Moieties: A Comparative Study. <i>Macromolecular Chemistry and Physics</i> , 2017 , 218, 1600492 | 2.6 | 21 |
| 161 | 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 |
| 160 | Topical Drug Delivery Systems Based on Bacterial Nanocellulose: Accelerated Stability Testing. <i>International Journal of Molecular Sciences</i> , 2020 , 21, | 6.3 | 21 |
| 159 | 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 |
| 158 | Multilayered materials based on biopolymers as drug delivery systems. <i>Expert Opinion on Drug Delivery</i> , 2017 , 14, 189-200 | 8 | 21 |
| 157 | Identification of delta7 phytosterols and phytosteryl glucosides in the wood and bark of several Acacia species. <i>Lipids</i> , 2005 , 40, 317-22 | 1.6 | 21 |
| 156 | Chlorogenic acid-arabinose hybrid domains in coffee melanoidins: Evidences from a model system. <i>Food Chemistry</i> , 2015 , 185, 135-44 | 8.5 | 20 |
| 155 | Fractionation of phenolic compounds from lignin depolymerisation using polymeric aqueous biphasic systems with ionic surfactants as electrolytes. <i>Green Chemistry</i> , 2016 , 18, 5569-5579 | 10 | 20 |
| 154 | Self-standing chitosan films as dielectrics in organic thin-film transistors. <i>EXPRESS Polymer Letters</i> , 2013 , 7, 960-965 | 3.4 | 20 |
| 153 | Lipophilic Fraction of Cultivated Bifurcaria bifurcata R. Ross: Detailed Composition and In Vitro Prospection of Current Challenging Bioactive Properties. <i>Marine Drugs</i> , 2017 , 15, | 6 | 19 |
| 152 | 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 |
| 151 | Effect of Elderberry (Sambucus nigra L.) Extract Supplementation in STZ-Induced Diabetic Rats Fed with a High-Fat Diet. <i>International Journal of Molecular Sciences</i> , 2016 , 18, | 6.3 | 19 |
| 150 | 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 |
| 149 | An overview of luminescent bio-based composites. <i>Journal of Applied Polymer Science</i> , 2014 , 131, n/a-n/a. | 9 | 19 |
| 148 | Simultaneous analysis of some club drugs in whole blood using solid phase extraction and gas chromatography-mass spectrometry. <i>Journal of Clinical Forensic and Legal Medicine</i> , 2012 , 19, 77-82 | 1.7 | 19 |

| | | | |
|-----|---|------|----|
| 147 | Assessment of the sesquiterpenic profile of <i>Ferula gummosa</i> oleo-gum-resin (galbanum) from Iran. Contributes to its valuation as a potential source of sesquiterpenic compounds. <i>Industrial Crops and Products</i> , 2013 , 44, 185-191 | 5.9 | 19 |
| 146 | Preparation and characterization of novel biodegradable composites based on acylated cellulose fibers and poly(ethylene sebacate). <i>Composites Science and Technology</i> , 2011 , 71, 1908-1913 | 8.6 | 19 |
| 145 | Solid state ¹³ C CP-MAS NMR and FT-IR spectroscopic analysis of cuticular fractions of berries and suberized membranes of potato. <i>Journal of Food Composition and Analysis</i> , 2011 , 24, 334-345 | 4.1 | 19 |
| 144 | NEW LIPOPHILIC COMPONENTS OF PITCH DEPOSITS FROM AN EUCALYPTUS GLOBULUS ECF BLEACHED KRAFT PULP MILL. <i>Journal of Wood Chemistry and Technology</i> , 2002 , 22, 55-66 | 2 | 19 |
| 143 | Bacterial Nanocellulose toward Green Cosmetics: Recent Progresses and Challenges. <i>International Journal of Molecular Sciences</i> , 2021 , 22, | 6.3 | 19 |
| 142 | Identification and characterization of photodegradation products of metoprolol in the presence of natural fulvic acid by HPLC-UV-MS. <i>Journal of Hazardous Materials</i> , 2017 , 323, 250-263 | 12.8 | 18 |
| 141 | Experimental and modeling study of supercritical CO ₂ extraction of <i>Quercus cerris</i> cork: Influence of ethanol and particle size on extraction kinetics and selectivity to friedelin. <i>Separation and Purification Technology</i> , 2017 , 187, 34-45 | 8.3 | 18 |
| 140 | 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 |
| 139 | Industrial potential of lipoxygenases. <i>Critical Reviews in Biotechnology</i> , 2016 , 36, 665-74 | 9.4 | 18 |
| 138 | Comparative study on the chemical composition of lipophilic fractions from three wood tissues of <i>Eucalyptus</i> species by gas chromatography-mass spectrometry analysis. <i>Journal of Wood Science</i> , 2007 , 53, 533-540 | 2.4 | 18 |
| 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 | 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 |
| 135 | Bulk and surface composition of ECF bleached hardwood kraft pulp fibres. <i>Nordic Pulp and Paper Research Journal</i> , 2004 , 19, 513-520 | 1.1 | 17 |
| 134 | The essential oil of <i>eucalyptus globulus</i> labill. from Portugal. <i>Flavour and Fragrance Journal</i> , 1994 , 9, 51-53 | 5.5 | 17 |
| 133 | Bioprospecting for lipophilic-like components of five Phaeophyta macroalgae from the Portuguese coast. <i>Journal of Applied Phycology</i> , 2016 , 28, 3151-3158 | 3.2 | 17 |
| 132 | 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 |
| 131 | Hydrogen Bond Dynamics of Cellulose through Inelastic Neutron Scattering Spectroscopy. <i>Biomacromolecules</i> , 2018 , 19, 1305-1313 | 6.9 | 16 |
| 130 | Quantification of 3-deoxyglucosone (3DG) as an aging marker in natural and forced aged wines. <i>Journal of Food Composition and Analysis</i> , 2016 , 50, 70-76 | 4.1 | 16 |

| | | | |
|-----|---|------|----|
| 129 | Replacing Di(2-ethylhexyl) Terephthalate by Di(2-ethylhexyl) 2,5-Furandicarboxylate for PVC Plasticization: Synthesis, Materials Preparation and Characterization. <i>Materials</i> , 2019 , 12, | 3.5 | 16 |
| 128 | Cloned <i>Pseudomonas aeruginosa</i> lipoxygenase as efficient approach for the clean conversion of linoleic acid into valuable hydroperoxides. <i>Chemical Engineering Journal</i> , 2013 , 231, 519-525 | 14.7 | 16 |
| 127 | Demonstration of long-chain n-alkyl caffeates and delta7-steryl glucosides in the bark of <i>Acacia</i> species by gas chromatography-mass spectrometry. <i>Phytochemical Analysis</i> , 2007 , 18, 151-6 | 3.4 | 16 |
| 126 | Extraction and Purification of Triterpenoids using Supercritical Fluids: From Lab to Exploitation. <i>Mini-Reviews in Organic Chemistry</i> , 2014 , 11, 362-381 | 1.7 | 16 |
| 125 | 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 |
| 124 | Silylation of bacterial cellulose to design membranes with intrinsic anti-bacterial properties. <i>Carbohydrate Polymers</i> , 2019 , 220, 71-78 | 10.3 | 15 |
| 123 | Oxidized Derivatives of Lipophilic Extractives Formed during Hardwood Kraft Pulp Bleaching. <i>Holzforschung</i> , 2003 , 57, 503-512 | 2 | 15 |
| 122 | Long-Term Effect on Bioactive Components and Antioxidant Activity of Thermal and High-Pressure Pasteurization of Orange Juice. <i>Molecules</i> , 2018 , 23, | 4.8 | 15 |
| 121 | Highly transparent films of new copolyesters derived from terephthalic and 2,4-furandicarboxylic acids. <i>Polymer Chemistry</i> , 2019 , 10, 5324-5332 | 4.9 | 14 |
| 120 | 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 |
| 119 | Asymmetric Monomer, Amorphous Polymer? StructureProperty Relationships in 2,4-FDCA and 2,4-PEF. <i>Macromolecules</i> , 2020 , 53, 1380-1387 | 5.5 | 14 |
| 118 | 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 |
| 117 | Metabolomic-Based Strategy for Fingerprinting of <i>Sambucus nigra</i> L. Berry Volatile Terpenoids and Norisoprenoids: Influence of Ripening and Cultivar. <i>Journal of Agricultural and Food Chemistry</i> , 2016 , 64, 5428-38 | 5.7 | 14 |
| 116 | Condensation Reactions of Lignin During Oxygen Delignification Under Acidic Conditions. <i>Journal of Wood Chemistry and Technology</i> , 1997 , 17, 41-55 | 2 | 14 |
| 115 | Chemical composition of the essential oil distilled from the fruits of <i>Eucalyptus globulus</i> grown in Portugal. <i>Flavour and Fragrance Journal</i> , 2005 , 20, 407-409 | 2.5 | 14 |
| 114 | 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 |
| 113 | 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 |
| 112 | Luminescent Transparent Composite Films Based on Lanthanopolyoxometalates and Filmogenic Polysaccharides. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 1890-1896 | 2.3 | 13 |

| | | | |
|-----|--|-----|----|
| 111 | Miscanthus x giganteus bark organosolv fractionation: fate of lipophilic components and formation of valuable phenolic byproducts. <i>Journal of Agricultural and Food Chemistry</i> , 2010 , 58, 8279-85 | 5.7 | 13 |
| 110 | Simultaneous headspace solid phase microextraction analysis of off-flavour compounds from Quercus suber L. cork. <i>Journal of the Science of Food and Agriculture</i> , 2007 , 87, 632-640 | 4.3 | 13 |
| 109 | Lignans from a hybrid Paulownia wood. <i>Biochemical Systematics and Ecology</i> , 2005 , 33, 1298-1302 | 1.4 | 13 |
| 108 | Extraction of High Value Triterpenic Acids from Biomass Using Hydrophobic Deep Eutectic Solvents. <i>Molecules</i> , 2020 , 25, | 4.8 | 13 |
| 107 | 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 |
| 106 | Unveiling elderflowers (Sambucus nigra L.) volatile terpenic and norisoprenoids profile: Effects of different postharvest conditions. <i>Food Chemistry</i> , 2017 , 229, 276-285 | 8.5 | 12 |
| 105 | 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 |
| 104 | Polar and lipophilic extracts characterization of roots, stalks, leaves and flowers of water hyacinth (Eichhornia crassipes), and insights for its future valorization. <i>Industrial Crops and Products</i> , 2015 , 76, 1033-1038 | 5.9 | 12 |
| 103 | Biorefinery of high polymerization degree proanthocyanidins in the context of circular economy. <i>Industrial Crops and Products</i> , 2020 , 151, 112450 | 5.9 | 12 |
| 102 | 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 |
| 101 | Deep desulfurization of fuels: Are deep eutectic solvents the alternative for ionic liquids?. <i>Fuel</i> , 2021 , 293, 120297 | 7.1 | 12 |
| 100 | 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 |
| 99 | Quinones as Strecker degradation reagents in wine oxidation processes. <i>Food Chemistry</i> , 2017 , 228, 618-624 | 6.5 | 11 |
| 98 | Poly(ionic liquid) embedded particles as efficient solid phase microextraction phases of polar and aromatic analytes. <i>Talanta</i> , 2019 , 198, 193-199 | 6.2 | 11 |
| 97 | Recovery of Syringic Acid from Industrial Food Waste with Aqueous Solutions of Ionic Liquids. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 14143-14152 | 8.3 | 11 |
| 96 | Microwave assisted extraction of betulin from birch outer bark. <i>RSC Advances</i> , 2013 , 3, 21285 | 3.7 | 11 |
| 95 | Phenolic composition and biological prospecting of grains and stems of Retama sphaerocarpa. <i>Industrial Crops and Products</i> , 2017 , 95, 244-255 | 5.9 | 11 |
| 94 | Expanding the Applicability of Poly(Ionic Liquids) in Solid Phase Microextraction: Pyrrolidinium Coatings. <i>Materials</i> , 2017 , 10, | 3.5 | 11 |

| | | | |
|----|--|------|----|
| 93 | Air quality and organic compounds in aerosols from a coastal rural area in the Western Iberian Peninsula over a year long period: Characterisation, loads and seasonal trends. <i>Atmospheric Environment</i> , 2007 , 41, 3631-3643 | 5.3 | 11 |
| 92 | Uncovering the potentialities of protic ionic liquids based on alkanolammonium and carboxylate ions and their aqueous solutions as non-derivatizing solvents of Kraft lignin. <i>Industrial Crops and Products</i> , 2020 , 143, 111866 | 5.9 | 11 |
| 91 | Natural-Based Antioxidant Extracts as Potential Mitigators of Fruit Browning. <i>Antioxidants</i> , 2020 , 9, | 7.1 | 11 |
| 90 | Wood delignification with aqueous solutions of deep eutectic solvents. <i>Industrial Crops and Products</i> , 2021 , 160, 113128 | 5.9 | 11 |
| 89 | 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 |
| 88 | Chromatographic Separation of Phenolic Compounds from Extra Virgin Olive Oil: Development and Validation of a New Method Based on a Biphenyl HPLC Column. <i>International Journal of Molecular Sciences</i> , 2019 , 20, | 6.3 | 10 |
| 87 | Valorisation of bark lipophilic fractions from three Portuguese Salix species: A systematic study of the chemical composition and inhibitory activity on Escherichia coli. <i>Industrial Crops and Products</i> , 2019 , 132, 245-252 | 5.9 | 10 |
| 86 | Current Challenges and Perspectives for the Use of Aqueous Plant Extracts in the Management of Bacterial Infections: The Case-Study of Serovars. <i>International Journal of Molecular Sciences</i> , 2019 , 20, | 6.3 | 10 |
| 85 | Valorization of water hyacinth through supercritical CO2 extraction of stigmasterol. <i>Industrial Crops and Products</i> , 2016 , 80, 177-185 | 5.9 | 10 |
| 84 | Effect of copper ions on the degradation of thiram in aqueous solution: identification of degradation products by HPLC-MS/MS. <i>Journal of Hazardous Materials</i> , 2014 , 279, 125-32 | 12.8 | 10 |
| 83 | Analysis of linoleic acid hydroperoxides generated by biomimetic and enzymatic systems through an integrated methodology. <i>Industrial Crops and Products</i> , 2011 , 34, 1474-1481 | 5.9 | 10 |
| 82 | Strategies to reduce the brightness reversion of industrial ECF bleached Eucalyptus globulus kraft pulp. <i>Journal of Chemical Technology and Biotechnology</i> , 2008 , 83, 218-226 | 3.5 | 10 |
| 81 | Hydrotropy and Cosolvency in Lignin Solubilization with Deep Eutectic Solvents. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , | 8.3 | 9 |
| 80 | 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 |
| 79 | New glucosides from Eucalyptus globulus wood, bark and kraft pulps. <i>Holzforschung</i> , 2004 , 58, 501-503 | 2 | 9 |
| 78 | Unravelling the distinct crystallinity and thermal properties of suberin compounds from Quercus suber and Betula pendula outer barks. <i>International Journal of Biological Macromolecules</i> , 2016 , 93, 686-694 | 7.9 | 9 |
| 77 | Nanocellulose-Based Patches Loaded with Hyaluronic Acid and Diclofenac towards Aphthous Stomatitis Treatment. <i>Nanomaterials</i> , 2020 , 10, | 5.4 | 9 |
| 76 | Characterization and Cytotoxicity Assessment of the Lipophilic Fractions of Different Morphological Parts of. <i>International Journal of Molecular Sciences</i> , 2020 , 21, | 6.3 | 8 |

| | | | |
|----|---|-----|---|
| 75 | Lead Zirconate Titanate Stable Stock Solution: Characterization and Applications. <i>Journal of Sol-Gel Science and Technology</i> , 2000 , 19, 671-676 | 2.3 | 8 |
| 74 | Retama sphaerocarpa: An unexploited and rich source of alkaloids, unsaturated fatty acids and other valuable phytochemicals. <i>Industrial Crops and Products</i> , 2015 , 69, 238-243 | 5.9 | 7 |
| 73 | Strategies to Preserve Postharvest Quality of Horticultural Crops and Superficial Scald Control: From Diphenylamine Antioxidant Usage to More Recent Approaches. <i>Antioxidants</i> , 2020 , 9, | 7.1 | 7 |
| 72 | Formation of oligomeric alkenylperoxides during the oxidation of unsaturated fatty acids: an electrospray ionization tandem mass spectrometry study. <i>Journal of Mass Spectrometry</i> , 2012 , 47, 163-72 | 2.2 | 7 |
| 71 | Determination of the hydroxy and carboxylic acid groups in natural complex mixtures of hydroxy fatty acids by ¹ H nuclear magnetic resonance spectroscopy. <i>Applied Spectroscopy</i> , 2009 , 63, 873-8 | 3.1 | 7 |
| 70 | Easily Degradable Chlorinated Compounds Derived from Glucuronoxylan in Filtrates from Chlorine Dioxide Bleaching of Eucalyptus globulus Kraft Pulp. <i>Holzforschung</i> , 2003 , 57, 81-87 | 2 | 7 |
| 69 | CINEOLIC ACID DERIVATIVES: REGIOSELECTIVE SYNTHESIS, NMR AND MS STUDIES. <i>Heterocyclic Communications</i> , 1996 , 2, | 1.7 | 7 |
| 68 | 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 |
| 67 | Antibacterial Multi-Layered Nanocellulose-Based Patches Loaded with Dexpanthenol for Wound Healing Applications. <i>Nanomaterials</i> , 2020 , 10, | 5.4 | 7 |
| 66 | Biosynthesis and bioactivity of Cynara cardunculus L. guaianolides and hydroxycinnamic acids: a genomic, biochemical and health-promoting perspective. <i>Phytochemistry Reviews</i> , 2019 , 18, 495-526 | 7.7 | 6 |
| 65 | Unveiling the bioactivity of Allium triquetrum L. lipophilic fractions: chemical characterization and in vitro antibacterial activity against methicillin-resistant Staphylococcus aureus. <i>Food and Function</i> , 2020 , 11, 5257-5265 | 6.1 | 6 |
| 64 | 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 |
| 63 | Layer-by-layer coated imidazolium Styrene copolymers fibers for improved headspace-solid phase microextraction analysis of aromatic compounds. <i>Reactive and Functional Polymers</i> , 2018 , 125, 93-100 | 4.6 | 6 |
| 62 | Chemical Transformation of 1,8-Cineole. Synthesis of N-Phenylimides from Cineolic Acid. <i>Journal of Chemical Research Synopses</i> , 1997 , 228-229 | | 6 |
| 61 | Cork and Suberins: Major Sources, Properties and Applications 2008 , 305-320 | | 6 |
| 60 | Synthesis and structural characterisation of ring B oxidised derivatives of dehydroabietic acid. <i>New Journal of Chemistry</i> , 2001 , 25, 1091-1097 | 3.6 | 6 |
| 59 | Plastics from renewable sources as green and sustainable alternative. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2021 , 100557 | 7.9 | 6 |
| 58 | Neue Methyldehydroabietatderivative: Synthese und strukturelle Charakterisierung. <i>Monatshefte für Chemie</i> , 1998 , 129, 1183 | 1.4 | 6 |

| | | | |
|----|---|-----|---|
| 57 | Ionic Liquids in Drug Delivery. <i>Encyclopedia</i> , 2021 , 1, 324-339 | | 6 |
| 56 | Chemical Composition of Lipophilic Bark Extracts from <i>Pinus pinaster</i> and <i>Pinus pinea</i> Cultivated in Portugal. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 2575 | 2.6 | 6 |
| 55 | Vine Waste Valorisation: Integrated Approach for the Prospection of Bioactive Lipophilic Phytochemicals. <i>International Journal of Molecular Sciences</i> , 2019 , 20, | 6.3 | 5 |
| 54 | Co-Polymers based on Poly(1,4-butylene 2,5-furandicarboxylate) and Poly(propylene oxide) with Tuneable Thermal Properties: Synthesis and Characterization. <i>Materials</i> , 2019 , 12, | 3.5 | 5 |
| 53 | Measurement and modeling of supercritical fluid extraction curves of <i>Eichhornia crassipes</i> for enhanced stigmaterol production: Mechanistic insights of the process. <i>Separation and Purification Technology</i> , 2016 , 163, 189-198 | 8.3 | 5 |
| 52 | New Methyl Dehydroabietate Derivatives: Synthesis and Structural Characterization. <i>Monatshefte für Chemie</i> , 1998 , 129, 1183-1197 | 1.4 | 5 |
| 51 | GC-MS and ¹³ C NMR Investigation of Lead Zirconate Titanate Precursor Sols for Fiber Preparation. <i>Journal of the American Ceramic Society</i> , 2007 , 90, 358-363 | 3.8 | 5 |
| 50 | Chemical transformation of 1,8-cineole: synthesis of seudenone, an insect pheromone. <i>Industrial Crops and Products</i> , 2000 , 12, 53-56 | 5.9 | 5 |
| 49 | Natural Polymers-Based Materials: A Contribution to a Greener Future.. <i>Molecules</i> , 2021 , 27, | 4.8 | 5 |
| 48 | Spherical Cellulose Micro and Nanoparticles: A Review of Recent Developments and Applications. <i>Nanomaterials</i> , 2021 , 11, | 5.4 | 5 |
| 47 | Recent Advances on the Development of Antibacterial Polysaccharide-Based Materials 2015 , 1751-1803 | | 5 |
| 46 | Vapor Pressure Assessment of Sulfolane-Based Eutectic Solvents: Experimental, PC-SAFT, and Molecular Dynamics. <i>Journal of Physical Chemistry B</i> , 2020 , 124, 10386-10397 | 3.4 | 5 |
| 45 | Flexible Nanocellulose/Lignosulfonates Ion-Conducting Separators for Polymer Electrolyte Fuel Cells. <i>Nanomaterials</i> , 2020 , 10, | 5.4 | 5 |
| 44 | Thin Porous Poly(ionic liquid) Coatings for Enhanced Headspace Solid Phase Microextraction. <i>Polymers</i> , 2020 , 12, | 4.5 | 5 |
| 43 | 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 |
| 42 | 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 |
| 41 | Polysaccharide Based Hybrid Materials. <i>Springer Briefs in Molecular Science</i> , 2018 , | 0.6 | 5 |
| 40 | Deep Eutectic Solvents and Pharmaceuticals. <i>Encyclopedia</i> , 2021 , 1, 942-963 | | 5 |

| | | | |
|----|---|-----|---|
| 39 | Current Research on the Bioprospection of Linear Diterpenes from : From Extraction Methodologies to Possible Applications. <i>Marine Drugs</i> , 2019 , 17, | 6 | 4 |
| 38 | Enzymatic Synthesis of Poly(caprolactone): A QM/MM Study. <i>ChemCatChem</i> , 2020 , 12, 4845-4852 | 5.2 | 4 |
| 37 | Sambucus nigra L.: A Potential Source of Healthpromoting Components 2016 , 343-392 | | 4 |
| 36 | The Impact of Plant-Based Coatings in "ROCHA" Pear Preservation during Cold Storage: A Metabolomic Approach. <i>Foods</i> , 2020 , 9, | 4.9 | 4 |
| 35 | Bio-based sustainable films from the Algerian Opuntia ficus-indica cladodes powder: Effect of plasticizer content. <i>Journal of Applied Polymer Science</i> , 2021 , 138, 50450 | 2.9 | 4 |
| 34 | Chemical Characterization of L. Flowers Aqueous Extract and Its Biological Implications. <i>Biomolecules</i> , 2021 , 11, | 5.9 | 4 |
| 33 | Effect of the Micronization of Pulp Fibers on the Properties of Green Composites. <i>Molecules</i> , 2021 , 26, | 4.8 | 4 |
| 32 | Polyethylene Terephthalate: Copolyesters, Composites, and Renewable Alternatives 2015 , 113-141 | | 3 |
| 31 | Bacterial Cellulose-Based Nanocomposites: Roadmap for Innovative Materials 2014 , 17-64 | | 3 |
| 30 | Unravelling the para- and ortho-benzene substituent effect on the glass transition of renewable wholly (hetero-)aromatic polyesters bearing 2,5-furandicarboxylic moieties. <i>European Polymer Journal</i> , 2021 , 150, 110413 | 5.2 | 3 |
| 29 | Synthesis and characterization of analogues of glycine-betaine surface-active ionic liquids. <i>Journal of Molecular Liquids</i> , 2021 , 342, 117440 | 6 | 3 |
| 28 | Functionalization of Betulinic Acid with Polyphenolic Fragments for the Development of New Amphiphilic Antioxidants. <i>Antioxidants</i> , 2021 , 10, | 7.1 | 3 |
| 27 | Environmentally Benign Supercritical Fluid Extraction 2017 , 325-348 | | 2 |
| 26 | 1 Development and applications of cellulose nanofibres based polymer nanocomposites 2017 , 1-65 | | 2 |
| 25 | Synthesis of Some New Benzylic Ethers from 1,8-Cineole with Antimicrobial Activity. <i>Monatshefte für Chemie</i> , 1999 , 130, 589-595 | 1.4 | 2 |
| 24 | Chemical Composition of Artemisia campestris and Hibiscus cannabinus 2002 , 47-57 | | 2 |
| 23 | Tuning of Proanthocyanidin Extract's Composition through Quaternary Eutectic Solvents Extraction. <i>Antioxidants</i> , 2020 , 9, | 7.1 | 2 |
| 22 | 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 |

| | | | |
|----|--|-----|---|
| 21 | From PEF to rPEF: disclosing the potential of deep eutectic solvents in continuous de-/re-polymerization recycling of biobased polyesters. <i>Green Chemistry</i> , | 10 | 2 |
| 20 | Sambucus nigra Berries and Flowers Health Benefits: From Lab Testing to Human Consumption. <i>Reference Series in Phytochemistry</i> , 2019 , 2261-2295 | 0.7 | 1 |
| 19 | Emerging technologies for the recovery of valuable compounds from coffee processing by-products 2017 , 141-169 | | 1 |
| 18 | Recent Advances on the Development of Antibacterial Polysaccharide-Based Materials 2014 , 1-46 | | 1 |
| 17 | Chemical Composition and Lignin Structural Features of Banana Plant Leaf Sheath and Rachis 171-188 | | 1 |
| 16 | Synthesis of flavonoid-type compounds from methyl dehydroabietates. <i>Monatshefte Für Chemie</i> , 2008 , 139, 1119-1126 | 1.4 | 1 |
| 15 | Comparative Analysis of Over-the-Counter Tablet Preparations of Isoflavones Extracted from Soy Available in Portugal. <i>Natural Product Communications</i> , 2006 , 1, 1934578X0600101 | 0.9 | 1 |
| 14 | Polysaccharide-based films of cactus mucilage and agar with antioxidant properties for active food packaging. <i>Polymer Bulletin</i> , 1 | 2.4 | 1 |
| 13 | Chemical Characterisation, Antioxidant and Antibacterial Activities of Pinus pinaster Ait. and Pinus pinea L. Bark Polar Extracts: Prospecting Forestry By-Products as Renewable Sources of Bioactive Compounds. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 784 | 2.6 | 1 |
| 12 | 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 |
| 11 | Sambucus nigra Berries and Flowers Health Benefits: From Lab Testing to Human Consumption. <i>Reference Series in Phytochemistry</i> , 2018 , 1-35 | 0.7 | 1 |
| 10 | High pressure extraction of bioactive diterpenes from the macroalgae : an efficient and environmentally friendly approach.. <i>RSC Advances</i> , 2019 , 9, 39893-39903 | 3.7 | 1 |
| 9 | Polysaccharides-Based Hybrids with Metal Oxide Nanoparticles. <i>Springer Briefs in Molecular Science</i> , 2018 , 31-68 | 0.6 | 1 |
| 8 | Comprehensive Insight into the Elderflowers and Elderberries (Sambucus nigra L.) Mono and Sesquiterpenic Metabolites: Factors that Modulate Their Composition 2018 , | | 1 |
| 7 | 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 |
| 6 | Enhanced Furfural Production in Deep Eutectic Solvents Comprising Alkali Metal Halides as Additives. <i>Molecules</i> , 2021 , 26, | 4.8 | 1 |
| 5 | Elderberry Stalks as a Source of High-Value Phytochemical: Essential Minerals and Lipophilic Compounds. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 382 | 2.6 | 1 |
| 4 | β-Farnesene Exogenous Application as a Novel Damage Induction Model to Fast Explore the Effectiveness of Postharvest Strategies: The Case Study of the Rocha Pear DOP. <i>Horticulturae</i> , 2022 , 8, 93 | 2.5 | 0 |

3 Chemical Transformations of Natural Compounds **2002**, 389-399

2 Green Separation Techniques for Omics Platforms Liquid Chromatography and Capillary Electrophoresis **2021**, 627-644

1 Deep Eutectic Solvents for Sustainable Separation Processes **2022**, 605-652