# MarÃ-a Sonia Freire

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 51 papers | 2,309 citations | 236612 25 h-index | 233125 45 g-index |
| 52 all docs | 52 docs citations | 52 times ranked | 2855 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Antioxidant activity and phenolic content of chestnut (Castanea sativa) shell and eucalyptus (Eucalyptus globulus) bark extracts. Industrial Crops and Products, 2008, 28, 279-285. | 2.5 | 275 |
| 2 | Influence of solvent on the antioxidant and antimicrobial properties of walnut (Juglans regia L.) green husk extracts. Industrial Crops and Products, 2013, 42, 126-132. | 2.5 | 237 |
| 3 | Adsorption of an anionic dye (Congo red) from aqueous solutions by pine bark. Scientific Reports, 2019, 9, 16530. | 1.6 | 178 |
| 4 | Removal of cadmium and mercury ions from aqueous solution by sorption on treated Pinus pinaster bark: kinetics and isotherms. Bioresource Technology, 2002, 82, 247-251. | 4.8 | 156 |
| 5 | Chestnut shell as heavy metal adsorbent: Optimization study of lead, copper and zinc cations removal. Journal of Hazardous Materials, 2009, 172, 1402-1414. | 6.5 | 117 |
| 6 | Evaluation of potential applications for chestnut (Castanea sativa) shell and eucalyptus (Eucalyptus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 | 2.5 | 114 |
| 7 | Effect of chemical modification of lignin on the gluebond performance of lignin-phenolic resins. Bioresource Technology, 1997, 60, 191-198. | 4.8 | 111 |
| 8 | FTIR, <sup>1</sup>H and <sup>13</sup>C NMR Characterization of Acetosolv-Solubilized Pine and Eucalyptus Lignins. Holzforschung, 1997, 51, 158-166. | 0.9 | 78 |
| 9 | Alkaline pre-treatment of waste chestnut shell from a food industry to enhance cadmium, copper, lead and zinc ions removal. Chemical Engineering Journal, 2012, 184, 147-155. | 6.6 | 71 |
| 10 | Uptake of phenol from aqueous solutions by adsorption in a Pinus pinaster bark packed bed. Journal of Hazardous Materials, 2006, 133, 61-67. | 6.5 | 69 |
| 11 | Response surface optimization of antioxidants extraction from chestnut (Castanea sativa) bur. Industrial Crops and Products, 2012, 35, 126-134. | 2.5 | 64 |
| 12 | Adsorption of phenol on formaldehyde-pretreated Pinus pinaster bark: Equilibrium and kinetics. Bioresource Technology, 2007, 98, 1535-1540. | 4.8 | 60 |
| 13 | Extraction of antioxidants from eucalyptus (Eucalyptus globulus) bark. Wood Science and Technology, 2012, 46, 443-457. | 1.4 | 58 |
| 14 | Characteristics of Pinus pinaster bark extracts obtained under various extraction conditions. European Journal of Wood and Wood Products, 2001, 59, 451-456. | 1.3 | 55 |
| 15 | Effect of the Extraction Technique and Operational Conditions on the Recovery of Bioactive Compounds from Chestnut (<i>Castanea sativa</i>) Bur and Shell. Separation Science and Technology, 2014, 49, 267-277. | 1.3 | 50 |
| 16 | Acetosolv pulping of pine wood. Kinetic modelling of lignin solubilization and condensation. Bioresource Technology, 1997, 59, 121-127. | 4.8 | 46 |
| 17 | Environmentally friendly wood adhesives based on chestnut (Castanea sativa) shell tannins. European Journal of Wood and Wood Products, 2017, 75, 89-100. | 1.3 | 46 |
| 18 | Acetosolv pine lignin as copolymer in resins for manufacture of exterior grade plywoods. Bioresource Technology, 1999, 70, 209-214. | 4.8 | 45 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | The Influence of Pulping Conditions on the Structure of Acetosolv Eucalyptus Lignins. Journal of Wood Chemistry and Technology, 1997, 17, 147-162. | 0.9 | 43 |
| 20 | Structures, and Reactivities with Formaldehyde, of Some Acetosolv Pine Lignins. Journal of Wood Chemistry and Technology, 1999, 19, 357-378. | 0.9 | 38 |
| 21 | MALDI-TOF, HPLC-ESI-TOF and 13C-NMR characterization of chestnut (Castanea sativa) shell tannins for wood adhesives. Wood Science and Technology, 2013, 47, 523-535. | 1.4 | 35 |
| 22 | Effect of the extraction technique on the recovery of bioactive compounds from eucalyptus (Eucalyptus globulus) wood industrial wastes. Industrial Crops and Products, 2015, 64, 105-113. | 2.5 | 35 |
| 23 | Equilibrium and kinetic modelling of the adsorption of Cd2+ ions onto chestnut shell. Desalination, 2009, 249, 855-860. | 4.0 | 34 |
| 24 | Curing Kinetics Of Tannin-Phenol-Formal- dehyde Adhesives As Determined By DSC. Magyar AprÃ³vad KÃ¶zlemÃ©nyek, 2002, 70, 19-28. | 1.4 | 31 |
| 25 | DSC and DMA study of chestnut shell tannins for their application as wood adhesives without formaldehyde emission. Journal of Thermal Analysis and Calorimetry, 2012, 108, 605-611. | 2.0 | 27 |
| 26 | Aqueous twoâ€phase systems for the extraction of phenolic compounds from eucalyptus (<i>Eucalyptus) Tj ETQq0 0 0 rgBT /Overlock 1 1772-1778. | 1.6 | 24 |
| 27 | Antioxidant activity of phenolic extracts from chestnut fruit and forest industries residues. European Journal of Wood and Wood Products, 2015, 73, 651-659. | 1.3 | 24 |
| 28 | Characterization of Pinus pinaster bark and its alkaline extracts by diffuse reflectance Fourier transform infrared (DRIFT) spectroscopy. European Journal of Wood and Wood Products, 2000, 58, 57-61. | 1.3 | 20 |
| 29 | Optimisation of Polyphenols Extraction from Chestnut Shell by Response Surface Methodology. Waste and Biomass Valorization, 2010, 1, 219-225. | 1.8 | 20 |
| 30 | The influence of acetosolv pulping conditions on the enzymatic hydrolysis of Eucalyptus pulps. Wood Science and Technology, 2000, 34, 345-354. | 1.4 | 15 |
| 31 | Valorization of residual walnut biomass from forest management and wood processing for the production of bioactive compounds. Biomass Conversion and Biorefinery, 2021, 11, 609-618. | 2.9 | 15 |
| 32 | Modeling and optimizing the solidâ€"liquid extraction of phenolic compounds from lignocellulosic subproducts. Biomass Conversion and Biorefinery, 2019, 9, 737-747. | 2.9 | 14 |
| 33 | Potential impact on the recruitment of chemical engineering graduates due to the industrial internship. Education for Chemical Engineers, 2019, 26, 107-113. | 2.8 | 12 |
| 34 | Increasing the Greenness of Lignocellulosic Biomass Biorefining Processes by Means of Biocompatible Separation Strategies. ACS Sustainable Chemistry and Engineering, 2017, 5, 3339-3345. | 3.2 | 11 |
| 35 | Recovery of Phenolic Compounds from Eucalyptus globulus Wood Wastes using PEG/phosphate Aqueous Two-Phase Systems. Waste and Biomass Valorization, 2017, 8, 443-452. | 1.8 | 11 |
| 36 | Optimization of the Extraction of Bioactive Compounds from Walnut (Juglans major 209 x Juglans) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 | 2.2 | 10 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Studies on the composition of Pinus pinaster foliage. Bioresource Technology, 1995, 51, 83-87. | 4.8 | 9 |
| 38 | Recovery of phenolic compounds from Eucalyptus wood wastes using ethanol-salt-based aqueous two-phase systems. Maderas: Ciencia Y Tecnologia, 2017, , 0-0. | 0.7 | 7 |
| 39 | Application of aqueous two phase systems based on polyethylene glycol and sodium citrate for the recovery of phenolic compounds from Eucalyptus wood. Maderas: Ciencia Y Tecnologia, 2015, , 0-0. | 0.7 | 6 |
| 40 | UV protection effects of phenolic extracts from chestnut fruit and forest industries residues. European Journal of Wood and Wood Products, 2015, 73, 731-739. | 1.3 | 6 |
| 41 | N- and S-Doped Carbons Derived from Polyacrylonitrile for Gases Separation. Sustainability, 2022, 14, 3760. | 1.6 | 6 |
| 42 | Estudio del mojado y caracterizaciÃ³n superficial por microscopÃa de barrido laser confocal de chapas de madera obtenidas por desenrollo. Maderas: Ciencia Y Tecnologia, 2011, 13, 183-192. | 0.7 | 5 |
| 43 | Characterization of Eucalyptus globulus and Pinus pinaster acetosolv pulps prebleached with O 2 by FTIR and DRIFT spectroscopy. European Journal of Wood and Wood Products, 2002, 60, 25-30. | 1.3 | 4 |
| 44 | Preliminary studies on TCF bleaching of Pinus pinaster acetosolv pulps. Bioresource Technology, 2002, 81, 141-149. | 4.8 | 4 |
| 45 | Surface characterization of eucalyptus and ash wood veneers by XPS, TOF-SIMS, optic profilometry and contact angle measurements. , 2011, , . | | 4 |
| 46 | Chestnut bur extracts as antioxidants: optimization of the extraction stage. , 2010, , . | | 4 |
| 47 | Desarrollo de un Adsorbente Basado en Taninos de Corteza de Pinus pinaster. Informacion Tecnologica (discontinued), 2005, 16, . | 0.1 | 2 |
| 48 | Surface characterization of rotary-peeled eucalyptus veneers by confocal laser scanning microscopy and surface free energy and contact angle determination. WIT Transactions on Engineering Sciences, 2009, , . | 0.0 | 0 |
| 49 | Influence of pre-treatment methods on the adsorption of cadmium ions by chestnut shell. , 2010, , . | | 0 |
| 50 | Study of the antioxidant potential of forestry biomass waste. WIT Transactions on Ecology and the Environment, 2012, , . | 0.0 | 0 |
| 51 | SOLUBILIZATION OF PINUS PINASTER WOOD BY ACETIC ACID. , 1996, , 1482-1486. | | 0 |