

# Pengfei Li

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

824  
citations

687363

13  
h-index

610901

24  
g-index

25  
all docs

25  
docs citations

25  
times ranked

1110  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Adsorption of the anionic dye Congo red from aqueous solution onto natural zeolites modified with N,N-dimethyl dehydroabietylamine oxide. <i>Chemical Engineering Journal</i> , 2014, 248, 135-144.  | 12.7 | 251       |
| 2  | Lignocellulosic biomass to biofuels and biochemicals: A comprehensive review with a focus on ethanol organosolv pretreatment technology. <i>Biotechnology and Bioengineering</i> , 2018, 115, 2683-2702.   | 3.3  | 122       |
| 3  | Borax crosslinked fenugreek galactomannan hydrogel as potential water-retaining agent in agriculture. <i>Carbohydrate Polymers</i> , 2020, 236, 116100.  | 10.2 | 65        |
| 4  | Synthesis, characterization, and selective dye adsorption by pH- and ion-sensitive polyelectrolyte galactomannan-based hydrogels. <i>Carbohydrate Polymers</i> , 2021, 264, 118009.  | 10.2 | 50        |
| 5  | Preparation and evaluation of paclitaxel-imprinted polymers with a rosin-based crosslinker as the stationary phase in high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 2017, 1502, 30-37.                                  | 3.7  | 39        |
| 6  | Preparation and adsorption characteristics of rosin-based polymer microspheres for berberine hydrochloride and separation of total alkaloids from coptidis rhizoma. <i>Chemical Engineering Journal</i> , 2020, 392, 123707.                           | 12.7 | 38        |
| 7  | Rosin-based molecularly imprinted polymers as the stationary phase in high-performance liquid chromatography for selective separation of berberine hydrochloride. <i>Polymer International</i> , 2014, 63, 1699-1706.                                  | 3.1  | 34        |
| 8  | Co-production of xylooligosaccharides and activated carbons from <i>Camellia oleifera</i> shell treated by the catalysis and activation of zinc chloride. <i>Bioresource Technology</i> , 2020, 306, 123131.   | 9.6  | 34        |
| 9  | Synthesis and characterization of molecularly imprinted polymers with modified rosin as a cross-linker and selective SPE-HPLC detection of basic orange II in foods. <i>Analytical Methods</i> , 2014, 6, 6397-6406.                                   | 2.7  | 27        |
| 10 | Enhancement of ethanol production from green liquor-ethanol-pretreated sugarcane bagasse by glucose-xylose cofermentation at high solid loadings with mixed <i>Saccharomyces cerevisiae</i> strains. <i>Biotechnology for Biofuels</i> , 2017, 10, 92. | 6.2  | 27        |
| 11 | Comparison and characterization of galactomannan at different developmental stages of <i>Gleditsia sinensis</i> Lam.. <i>Carbohydrate Polymers</i> , 2019, 223, 115127.  | 10.2 | 27        |
| 12 | Camptothecin-imprinted polymer microspheres with rosin-based cross-linker for separation of camptothecin from <i>Camptotheca acuminata</i> fruit. <i>Separation and Purification Technology</i> , 2020, 234, 116085.                                   | 7.9  | 25        |
| 13 | Enhancement of enzymatic hydrolysis of sugarcane bagasse by pretreatment combined green liquor and sulfite. <i>Fuel</i> , 2017, 203, 707-714.  | 6.4  | 20        |
| 14 | Alkaloid purification using rosin-based polymer-bonded silica stationary phase in HPLC. <i>Journal of Separation Science</i> , 2019, 42, 3646-3652.  | 2.5  | 10        |
| 15 | Diffusion of water and protein drug in 1,4-butanediol diglycidyl ether crosslinked galactomannan hydrogels and its correlation with the physicochemical properties. <i>International Journal of Biological Macromolecules</i> , 2021, 183, 1987-2000.  | 7.5  | 10        |
| 16 | Characterization of hydrophobic interaction of galactomannan in aqueous solutions using fluorescence-based technique. <i>Carbohydrate Polymers</i> , 2021, 267, 118183.  | 10.2 | 9         |
| 17 | Study on the structure and physicochemical properties of fenugreek galactomannan modified via octenyl succinic anhydride. <i>International Journal of Biological Macromolecules</i> , 2022, 214, 91-99.  | 7.5  | 9         |
| 18 | Separation of alkaloids and their analogs in HPLC using rosin-based polymer microspheres as stationary phases. <i>New Journal of Chemistry</i> , 2021, 45, 6856-6864.  | 2.8  | 6         |

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|----|---|-----|-----------|
| 19 | Surface Properties and Structural Transformation Behaviors of mPEG-Maleic Rosin Copolymer in Water. <i>Polymers</i> , 2017, 9, 466.   | 4.5 | 5         |
| 20 | A New Bergenin Derivative from <i>Ardisia maclurei</i> . <i>Chemistry of Natural Compounds</i> , 2016, 52, 224-226.   | 0.8 | 4         |
| 21 | Preparation and characterization of eco-friendly polysaccharide-based liquid mulch with soil amendment function. <i>Journal of Cleaner Production</i> , 2022, 363, 132586.                | 9.3 | 4         |
| 22 | Lipase immobilized on rosin-based functional polymers as a biocatalyst for the synthesis of ethyl dodecanoate. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2016, 133, S106-S113. | 1.8 | 3         |
| 23 | Coproduction of Furfural, Phenolated Lignin and Fermentable Sugars from Bamboo with One-Pot Fractionation Using Phenol-Acidic 1,4-Dioxane. <i>Energies</i> , 2020, 13, 5294.              | 3.1 | 3         |
| 24 | Synthesis, surface properties and temperature dependence of phase separation of DSPE chains in ethanol solutions. <i>New Journal of Chemistry</i> , 2018, 42, 11192-11201.                | 2.8 | 2         |
| 25 | Progressive Relaxation Behavior and Relaxation Dynamics of sPS Gels upon Controlled Heating. <i>Polymers</i> , 2018, 10, 526.   | 4.5 | 0         |