

Xiangrong Chen

List of Publications by Year in descending order

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23
papers

795
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docs citations

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1033
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimization of Enzymatic Hydrolysis of Wheat Straw Pretreated by Alkaline Peroxide Using Response Surface Methodology. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 7346-7353.	3.7	154
2	An efficient process for lactic acid production from wheat straw by a newly isolated <i>Bacillus coagulans</i> strain IPE22. <i>Bioresource Technology</i> , 2014, 158, 396-399.	9.6	93
3	Custom-Tailoring Loose Nanofiltration Membrane for Precise Biomolecule Fractionation: New Insight into Post-Treatment Mechanisms. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 13327-13337.	8.0	79
4	How Do Chemical Cleaning Agents Act on Polyamide Nanofiltration Membrane and Fouling Layer?. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 17653-17670.	3.7	59
5	Improving lactic acid productivity from wheat straw hydrolysates by membrane integrated repeated batch fermentation under non-sterilized conditions. <i>Bioresource Technology</i> , 2014, 163, 160-166.	9.6	56
6	Continuous Acetone–Butanol–Ethanol (ABE) Fermentation with in Situ Solvent Recovery by Silicalite-1 Filled PDMS/PAN Composite Membrane. <i>Energy & Fuels</i> , 2014, 28, 555-562.	5.1	44
7	Nanofiltration for Decolorization: Membrane Fabrication, Applications and Challenges. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 19858-19875.	3.7	36
8	Polydopamine meets porous membrane: A versatile platform for facile preparation of membrane adsorbers. <i>Journal of Chromatography A</i> , 2016, 1448, 121-126.	3.7	30
9	Improving the hydrolysis efficiency of soy sauce residue using ultrasonic probe-assisted enzymolysis technology. <i>Ultrasonics Sonochemistry</i> , 2017, 35, 351-358.	8.2	30
10	New insights into effect of alkaline cleaning on fouling behavior of polyamide nanofiltration membrane for wastewater treatment. <i>Science of the Total Environment</i> , 2021, 780, 146632.	8.0	26
11	Aflatoxin B1 removal by multifunctional membrane based on polydopamine intermediate layer. <i>Separation and Purification Technology</i> , 2018, 199, 311-319.	7.9	25
12	Simultaneous extraction of oil and soy isoflavones from soy sauce residue using ultrasonic-assisted two-phase solvent extraction technology. <i>Separation and Purification Technology</i> , 2014, 128, 72-79.	7.9	23
13	High molecular weight $\hat{2}$ -poly(l-malic acid) produced by <i>A. pullulans</i> with Ca^{2+} added repeated batch culture. <i>International Journal of Biological Macromolecules</i> , 2016, 85, 192-199.	7.5	22
14	Horseradish Peroxidase Immobilized on Multifunctional Hybrid Microspheres for Aflatoxin B1 Removal: Will Enzymatic Reaction be Enhanced by Adsorption?. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 11710-11719.	3.7	20
15	Improved blood compatibility of polysulfone membrane by anticoagulant protein immobilization. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 175, 586-595.	5.0	19
16	Directing membrane chromatography to manufacture $\hat{1}$ -antitrypsin from human plasma fraction IV. <i>Journal of Chromatography A</i> , 2015, 1423, 63-70.	3.7	18
17	Fabrication of Antiswelling Loose Nanofiltration Membranes via a \hat{c} Selective-Etching-Induced Reinforcing–Strategy for Bioseparation. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 19312-19323.	8.0	14
18	High–performance PDMS membranes for pervaporative removal of VOCs from water: The role of alkyl grafting. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	2.6	12

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19	Mussel-Inspired Membrane Adsorber with Thiol Ligand for Patulin Removal: Adsorption and Regeneration Behaviors. <i>Macromolecular Materials and Engineering</i> , 2019, 304, 1800790.	3.6	11
20	Facile preparation of salt-tolerant anion-exchange membrane adsorber using hydrophobic membrane as substrate. <i>Journal of Chromatography A</i> , 2017, 1490, 54-62.	3.7	9
21	Inhibition of cellulase, β -glucosidase, and xylanase activities and enzymatic hydrolysis of dilute acid pretreated wheat straw by acetone-butanol-ethanol fermentation products. <i>Environmental Progress and Sustainable Energy</i> , 2014, 33, 497-503.	2.3	7
22	Resource Recovery from Soybean Soaking Water by Ultrafiltration and Reverse Osmosis. <i>Food and Bioprocess Technology</i> , 2015, 8, 1730-1738.	4.7	6
23	Interfacially designed magnetic nanoparticles as Fenton-like catalyst for efficient chemical cleaning of polyamide nanofiltration membranes. <i>Environmental Science: Nano</i> , 2022, 9, 2906-2921.	4.3	1