

Xiaoqing Lin

List of Publications by Year in descending order

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52
papers

1,461
citations

304368

22
h-index

329751

37
g-index

52
all docs

52
docs citations

52
times ranked

1636
citing authors

#	ARTICLE	IF	CITATIONS
1	Using wastewater after lipid fermentation as substrate for bacterial cellulose production by <i>Gluconacetobacter xylinus</i> . <i>Carbohydrate Polymers</i> , 2016, 136, 198-202.	5.1	109
2	Estimation of fixed-bed column parameters and mathematical modeling of breakthrough behaviors for adsorption of levulinic acid from aqueous solution using SY-01 resin. <i>Separation and Purification Technology</i> , 2017, 174, 222-231.	3.9	92
3	Adsorption of butanol from aqueous solution onto a new type of macroporous adsorption resin: Studies of adsorption isotherms and kinetics simulation. <i>Journal of Chemical Technology and Biotechnology</i> , 2012, 87, 924-931.	1.6	75
4	Biobutanol production in a <i>Clostridium acetobutylicum</i> biofilm reactor integrated with simultaneous product recovery by adsorption. <i>Biotechnology for Biofuels</i> , 2014, 7, 5.	6.2	74
5	Enhanced Enzymatic Hydrolysis and Lignin Extraction of Wheat Straw by Triethylbenzyl Ammonium Chloride/Lactic Acid-Based Deep Eutectic Solvent Pretreatment. <i>ACS Omega</i> , 2019, 4, 19829-19839.	1.6	69
6	Enhanced butanol production by modulation of electron flow in <i>Clostridium acetobutylicum</i> B3 immobilized by surface adsorption. <i>Bioresource Technology</i> , 2013, 129, 321-328.	4.8	62
7	Evaluating the possibility of using acetone-butanol-ethanol (ABE) fermentation wastewater for bacterial cellulose production by <i>Gluconacetobacter xylinus</i> . <i>Letters in Applied Microbiology</i> , 2015, 60, 491-496.	1.0	61
8	Process optimization for deep eutectic solvent pretreatment and enzymatic hydrolysis of sugar cane bagasse for cellulosic ethanol fermentation. <i>Renewable Energy</i> , 2021, 177, 259-267.	4.3	57
9	Bioconversion of Corn cob Acid Hydrolysate into Microbial Oil by the Oleaginous Yeast <i>Lipomyces starkeyi</i> . <i>Applied Biochemistry and Biotechnology</i> , 2014, 172, 2197-2204.	1.4	55
10	Experimental and modeling studies on the sorption breakthrough behaviors of butanol from aqueous solution in a fixed-bed of KA-I resin. <i>Biotechnology and Bioprocess Engineering</i> , 2013, 18, 223-233.	1.4	51
11	Selective separation of biobutanol from acetone-butanol-ethanol fermentation broth by means of sorption methodology based on a novel macroporous resin. <i>Biotechnology Progress</i> , 2012, 28, 962-972.	1.3	50
12	Adsorption behavior of levulinic acid onto microporous hyper-cross-linked polymers in aqueous solution: Equilibrium, thermodynamic, kinetic simulation and fixed-bed column studies. <i>Chemosphere</i> , 2017, 171, 231-239.	4.2	47
13	Using Butanol Fermentation Wastewater for Biobutanol Production after Removal of Inhibitory Compounds by Micro/Mesoporous Hyper-Cross-Linked Polymeric Adsorbent. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 702-709.	3.2	40
14	Bacterial cellulose production from the litchi extract by <i>Gluconacetobacter xylinus</i> . <i>Preparative Biochemistry and Biotechnology</i> , 2016, 46, 39-43.	1.0	40
15	High-efficient cellulosic butanol production from deep eutectic solvent pretreated corn stover without detoxification. <i>Industrial Crops and Products</i> , 2021, 162, 113258.	2.5	33
16	Efficient short-time hydrothermal depolymerization of sugarcane bagasse in one-pot for cellulosic ethanol production without solid-liquid separation, water washing, and detoxification. <i>Bioresource Technology</i> , 2021, 339, 125575.	4.8	33
17	Experimental and Mathematical Simulation of Noncompetitive and Competitive Adsorption Dynamic of Formic Acid-Levulinic Acid-5-Hydroxymethylfurfural from Single, Binary, and Ternary Systems in a Fixed-Bed Column of SY-01 Resin. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 8518-8528.	1.8	31
18	Equilibrium, kinetic and thermodynamic studies of acid soluble lignin adsorption from rice straw hydrolysate by a self-synthesized macro/mesoporous resin. <i>RSC Advances</i> , 2017, 7, 23896-23906.	1.7	30

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19	Utilization of Corncob Acid Hydrolysate for Bacterial Cellulose Production by <i>Gluconacetobacter xylinus</i> . <i>Applied Biochemistry and Biotechnology</i> , 2015, 175, 1678-1688.	1.4	28
20	Global View of Biofuel Butanol and Economics of Its Production by Fermentation from Sweet Sorghum Bagasse, Food Waste, and Yellow Top Presscake: Application of Novel Technologies. <i>Fermentation</i> , 2020, 6, 58.	1.4	27
21	Adsorption isotherm, kinetics simulation and breakthrough analysis of 5-hydroxymethylfurfural adsorption/desorption behavior of a novel polar-modified post-cross-linked poly (divinylbenzene-co-ethyleneglycoldimethacrylate) resin. <i>Chemosphere</i> , 2020, 239, 124732.	4.2	26
22	Separation of d-lactic acid from aqueous solutions based on the adsorption technology. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 407, 29-37.	2.3	25
23	Comparison of bacterial cellulose production by <i>Gluconacetobacter xylinus</i> on bagasse acid and enzymatic hydrolysates. <i>Journal of Applied Polymer Science</i> , 2017, 134, 45066.	1.3	23
24	Extraction and characterization of wax from sugarcane bagasse and the enzymatic hydrolysis of dewaxed sugarcane bagasse. <i>Preparative Biochemistry and Biotechnology</i> , 2017, 47, 276-281.	1.0	23
25	Adsorption Thermodynamics and Kinetics of Uridine 5â€²-Monophosphate on a Gel-Type Anion Exchange Resin. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 9270-9279.	1.8	22
26	Combined <i>de novo</i> and <i>ex novo</i> lipid fermentation in a mix-medium of corncob acid hydrolysate and soybean oil by <i>Trichosporon dermatis</i> . <i>Biotechnology for Biofuels</i> , 2017, 10, 147.	6.2	22
27	Solvents Production from a Mixture of Glucose and Xylose by Mixed Fermentation of <i>Clostridium acetobutylicum</i> and <i>Saccharomyces cerevisiae</i> . <i>Applied Biochemistry and Biotechnology</i> , 2015, 177, 996-1002.	1.4	21
28	Controllable Synthesis of Styrene-divinylbenzene Adsorption Resins and the Effect of Textural Properties on Removal Performance of Fermentation Inhibitors from Rice Straw Hydrolysate. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 5119-5127.	1.8	19
29	Beneficial Effect of Acetic Acid on the Xylose Utilization and Bacterial Cellulose Production by <i>Gluconacetobacter xylinus</i> . <i>Indian Journal of Microbiology</i> , 2014, 54, 268-273.	1.5	17
30	Beneficial Effect of Corncob Acid Hydrolysate on the Lipid Production by Oleaginous Yeast <i>Trichosporon dermatis</i> . <i>Preparative Biochemistry and Biotechnology</i> , 2015, 45, 421-429.	1.0	17
31	Evaluation of Pore Structure of Polarity-Controllable Post-Cross-Linked Adsorption Resins on the Adsorption Performance of 5-Hydroxymethylfurfural in Both Single- and Ternary-Component Systems. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 17575-17586.	1.8	16
32	Computational simulations of breakthrough curves in cAMP adsorption processes in ion-exchange bed under hydrodynamic flow. <i>Chemical Engineering Journal</i> , 2012, 197, 424-434.	6.6	15
33	Optimization and Validation of a GC-FID Method for the Determination of Acetone-Butanol-Ethanol Fermentation Products. <i>Journal of Chromatographic Science</i> , 2014, 52, 264-270.	0.7	15
34	Adsorption of 5-Hydroxymethylfurfural, Levulinic Acid, Formic Acid, and Glucose Using Polymeric Resins Modified with Different Functional Groups. <i>ACS Omega</i> , 2021, 6, 16955-16968.	1.6	14
35	Studies of equilibrium, kinetics simulation and thermodynamics of cAMP adsorption onto an anion-exchange resin. <i>Chemical Engineering Journal</i> , 2010, 165, 907-915.	6.6	13
36	Controllable synthesis of monoacrylate-modified adsorption resins and enhancing adsorption toward fermentation inhibitors from rice straw hydrolysate. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 2652-2658.	1.6	12

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37	Use of elephant grass (<i>Pennisetum purpureum</i>) acid hydrolysate for microbial oil production by <i>Trichosporon cutaneum</i> . <i>Preparative Biochemistry and Biotechnology</i> , 2016, 46, 704-708.	1.0	11
38	CaCO ₃ supplementation alleviates the inhibition of formic acid on acetone/butanol/ethanol fermentation by <i>Clostridium acetobutylicum</i> . <i>Biotechnology Letters</i> , 2017, 39, 97-104.	1.1	11
39	Comparison of fermentation by mono-culture and co-culture of oleaginous yeasts for ABE (acetone-) Tj ETQq1 1 0.784314 rgBT /Overlock 1.0 Tf 50 302 <i>Engineering</i> , 2016, 4, 3803-3809.	3.3	10
40	Semi-pilot Scale Microbial Oil Production by <i>Trichosporon cutaneum</i> Using Medium Containing Corncob Acid Hydrolysate. <i>Applied Biochemistry and Biotechnology</i> , 2016, 179, 625-632.	1.4	10
41	Improvement and Characterization in Enzymatic Hydrolysis of Regenerated Wheat Straw Dissolved by LiCl/DMAc Solvent System. <i>Applied Biochemistry and Biotechnology</i> , 2017, 181, 177-191.	1.4	10
42	Global reprogramming of xylose metabolism in <i>Saccharomyces cerevisiae</i> efficiently produces ethanol from lignocellulose hydrolysates. <i>Industrial Crops and Products</i> , 2022, 179, 114666.	2.5	7
43	Highly selective adsorption of 5-hydroxymethylfurfural from multicomponent mixture by simple pH controlled in batch and fixed-bed column studies: Competitive isotherms, kinetic and breakthrough curves simulation. <i>Separation and Purification Technology</i> , 2022, 299, 121756.	3.9	7
44	Sorption behavior and mechanism investigation of formic acid removal by sorption using an anion-exchange resin. <i>Desalination and Water Treatment</i> , 0, , 1-16.	1.0	6
45	Preparation of Polar-Modified Styrene-Divinylbenzene Copolymer and Its Adsorption Performance for Comprehensive Utilization of Sugarcane Bagasse Dilute-Acid Hydrolysate. <i>Applied Biochemistry and Biotechnology</i> , 2020, 190, 423-436.	1.4	5
46	Modeling the cAMP desorption process from an anion exchange chromatography column. <i>Chemical Engineering Science</i> , 2012, 80, 317-325.	1.9	4
47	Fabricating amide functional group modified hyper-cross-linked adsorption resin with enhanced adsorption and recognition performance for 5-hydroxymethylfurfural adsorption via simple one-step. <i>Chinese Journal of Chemical Engineering</i> , 2022, 43, 230-239.	1.7	4
48	Purification of Lignocellulose Hydrolysate by Org-Attapulgitel/(Divinyl Benzene-Styrene-Methyl) Tj ETQq0 0 0 rgBT /Overlock 1.0 Tf 50 302	0.5	3
49	Microbial conversion of wastewater from butanol fermentation to microbial oil and biomass by oleaginous yeasts. <i>Environmental Progress and Sustainable Energy</i> , 2018, 37, 1220-1226.	1.3	3
50	Insights into the Play of Novel Brønsted Acid-Based Deep Eutectic Solvents for the Conversion of Glucose into 5-Hydroxymethylfurfural without Additional Catalysts. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 11645-11654.	1.8	3
51	Lumping kinetics of ABE fermentation wastewater treatment by oleaginous yeast <i>Trichosporon cutaneum</i> . <i>Preparative Biochemistry and Biotechnology</i> , 2017, 47, 860-866.	1.0	2
52	Elucidating the Beneficial Effect of Corncob Acid Hydrolysate Environment on Lipid Fermentation of <i>Trichosporon dermatis</i> by Method of Cell Biology. <i>Applied Biochemistry and Biotechnology</i> , 2016, 178, 1420-1429.	1.4	1