Chuan-Yi Yao

List of Publications by Year
in descending order

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27	501	687363 13	677142 22
papers	citations	h-index	g-index

27	27	27	563
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Machine learning to predict dynamic changes of pathogenic Vibrio spp. abundance on microplastics in marine environment. Environmental Pollution, 2022, 305, 119257.	7.5	11
2	Covalent Immobilization of Candida antarctica Lipase B on Functionalized Hollow Mesoporous Silica Nanoparticles. ChemistrySelect, 2021, 6, 3453-3460.	1.5	4
3	Using a machine learning model for the optimal design of simulated moving bed processes and its application to separate rebaudioside A and stevioside. Journal of Chemical Technology and Biotechnology, 2021, 96, 2558-2568.	3.2	1
4	High expression of toxic Streptomyces phospholipase D in Escherichia coli under salt stress and its mechanism. AICHE Journal, 2020, 66, e16856.	3.6	3
5	A robust soft sensor to monitor 1,3â€propanediol fermentation process by Clostridium butyricum based on artificial neural network. Biotechnology and Bioengineering, 2020, 117, 3345-3355.	3.3	18
6	Development of a fourth-order compact finite difference scheme for simulation of simulated-moving-bed process. Scientific Reports, 2020, 10, 7820.	3.3	2
7	A novel kinetic model to describe 1,3â€propanediol production fermentation by Clostridium butyricum. AICHE Journal, 2019, 65, e16587.	3.6	11
8	The role of fluconazole in the regulation of fatty acid and unsaponifiable matter biosynthesis in Schizochytrium sp. MYA 1381. BMC Microbiology, 2019, 19, 256.	3.3	15
9	Strategies for achieving highâ€level and stable production of toxic Streptomyces phospholipase D in Escherichia coli. Journal of Chemical Technology and Biotechnology, 2019, 94, 1220-1229.	3.2	5
10	Construction of an asynchronous three-zone simulated-moving-bed chromatography and its application for the separation of vanillin and syringaldehyde. Chemical Engineering Journal, 2018, 331, 644-651.	12.7	18
11	Overproduction of Lâ€tryptophan via simultaneous feed of glucose and anthranilic acid from recombinant Escherichia coli W3110: Kinetic modeling and process scaleâ€up. Biotechnology and Bioengineering, 2018, 115, 371-381.	3.3	31
12	Combination of spaceâ€“time conservation element/solution element method and continuous prediction technique for accelerated simulation of simulated moving bed chromatography. Chemical Engineering and Processing: Process Intensification, 2015, 96, 54-61.	3.6	7
13	Orthogonal array deciphering MRS medium requirements for isolated Lactobacillus rhamnosus ZY with cell properties characterization. Journal of Bioscience and Bioengineering, 2014, 118, 298-304.	2.2	13
14	Preparation of a Monolith with Covalently Bound Bovine Serum Albumin for Capillary Electrochromatography. Analytical Letters, 2012, 45, 2377-2388.	1.8	0
15	Effects of lignin-derived phenolic compounds on xylitol production and key enzyme activities by a xylose utilizing yeast Candida athensensis SB18. Bioresource Technology, 2012, 121, 369-378.	9.6	27
16	Xylitol production from d-xylose and horticultural waste hemicellulosic hydrolysate by a new isolate of Candida athensensis SB18. Bioresource Technology, 2012, 105, 134-141.	9.6	85
17	The isolation and characterization of polysaccharides from longan pulp. Separation and Purification Technology, 2008, 63, 226-230.	7.9	88
18	Determination of trans-Resveratrol in China Great Wall â€˜Fazendaâ€™ Red Wine by Use of Micellar Electrokinetic Chromatography. Chromatographia, 2005, 62, 289-294.	1.3	14

#	Article	IF	Citations
19	Kinetics of lipase-catalyzed hydrolysis of olive oil in AOT/isooctane reversed micelles. Journal of Molecular Catalysis B: Enzymatic, 2005, 35, 108-112.	1.8	13
20	Enantiomer separations on a vancomycin stationary phase and retention mechanism of pressurized capillary electrochromatography. Journal of Separation Science, 2004, 27, 1109-1114.	2.5	25
21	Pressurized capillary electrochromatography separation of peptides with strong cation exchange and hydrophilic interaction. Journal of Separation Science, 2003, 26, 1389-1394.	2.5	22
22	Quantitative sample injection for capillary electrophoresis. Journal of Separation Science, 2003, 26, 37-42.	2.5	18
23	Separation of peptides by pressurized capillary electrochromatography. Journal of Chromatography A, 2003, 987, 453-458.	3.7	41
24	Purification and properties of lipase from a Bacillus strain for catalytic resolution of (R)-Naproxen. Journal of Molecular Catalysis B: Enzymatic, 2002, 18, 205-210.	1.8	6
25	Kinetics of lipase deactivation in AOT/isooctane reversed micelles. Journal of Molecular Catalysis B: Enzymatic, 2002, 18, 279-284.	1.8	9
26	Title is missing!. Biotechnology Letters, 2001, 23, 1257-1262.	2.2	13
27	Preparation of MIP Microspheres by Precipitation Polymerization with 1-Phenyl-1-Propanol as Template. Advanced Materials Research, 0, 415-417, 1225-1230.	0.3	1