Xinqiang You

List of Publications by Year
in descending order

21	910	567281	713466
papers	citations	15	21
		h-index	g-index

21	21	21	336
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ionic liquids as entrainer in extractive distillation for effectively separating 1-propanol–water azeotropic mixture. Chinese Journal of Chemical Engineering, 2022, 49, 224-233.	3.5	6
2	Economic and Environmental Evaluation of Heat-Integrated Pressure-Swing Distillation by Multiobjective Optimization. Industrial & Engineering Chemistry Research, 2022, 61, 9004-9014.	3.7	17
3	High-performance porous anion exchange membranes for efficient acid recovery from acidic wastewater by diffusion dialysis. Journal of Membrane Science, 2021, 624, 119116.	8.2	31
4	Improved Model for Calculating Physical Properties of Confined Fluid by Considering Adsorption Film Theory Based on the SWCF-VR Equation of State. Industrial & Engineering Chemistry Research, 2021, 60, 13094-13106.	3.7	1
5	A joint model for calculating capillary pressure of confined fluid based on the SWCF-VR equation of state. Fluid Phase Equilibria, 2019, 498, 59-71.	2.5	2
6	Design and Optimization of Sustainable Pressure Swing Distillation for Minimum-Boiling Azeotrope Separation. Industrial & Engineering Chemistry Research, 2019, 58, 21659-21670.	3.7	26
7	Analysis of heat integration, intermediate reboiler and vapor recompression for the extractive distillation of ternary mixture with two binary azeotropes. Chemical Engineering and Processing: Process Intensification, 2019, 142, 107546.	3.6	31
8	CAMD for entrainer screening of extractive distillation process based on new thermodynamic criteria. Chemical Engineering Research and Design, 2019, 147, 721-733.	5.6	19
9	Review of extractive distillation. Process design, operation, optimization and control. Chemical Engineering Research and Design, 2019, 141, 229-271.	5.6	162
10	Improved design and optimization for separating tetrahydrofuran–water azeotrope through extractive distillation with and without heat integration by varying pressure. Chemical Engineering Research and Design, 2018, 133, 303-313.	5.6	50
11	Optimization of pre-concentration, entrainer recycle and pressure selection for the extractive distillation of acetonitrile-water with ethylene glycol. Chemical Engineering Science, 2018, 177, 354-368.	3.8	83
12	Energy-Saving Reduced-Pressure Extractive Distillation with Heat Integration for Separating the Biazeotropic Ternary Mixture Tetrahydrofuran–Methanol–Water. Industrial & Engineering Chemistry Research, 2018, 57, 13498-13510.	3.7	52
13	Improved Design and Optimization for Separating Azeotropes with Heavy Component as Distillate through Energy-Saving Extractive Distillation by Varying Pressure. Industrial & Engineering Chemistry Research, 2017, 56, 9156-9166.	3.7	51
14	Optimal design of extractive distillation for acetic acid dehydration with N-methyl acetamide. Chemical Engineering and Processing: Process Intensification, 2017, 120, 301-316.	3.6	14
15	Novel energy saving strategy for separating acetic acid – water in extractive distillation with N-methyl acetamide as entrainer. IOP Conference Series: Materials Science and Engineering, 2017, 231, 012110.	0.6	1
16	Reducing process cost and CO2 emissions for extractive distillation by double-effect heat integration and mechanical heat pump. Applied Energy, 2016, 166, 128-140.	10.1	113
17	Low pressure design for reducing energy cost of extractive distillation for separating diisopropyl ether and isopropyl alcohol. Chemical Engineering Research and Design, 2016, 109, 540-552.	5.6	50
18	Systematic design of an extractive distillation for maximum–boiling azeotropes with heavy entrainers. AIChE Journal, 2015, 61, 3898-3910.	3.6	106

#	Article	IF	Citations
19	Investigation of Separation Efficiency Indicator for the Optimization of the Acetoneâ€"Methanol Extractive Distillation with Water. Industrial & Engineering Chemistry Research, 2015, 54, 10863-10875.	3.7	31
20	Improved Design and Efficiency of the Extractive Distillation Process for Acetoneâ€"Methanol with Water. Industrial & Engineering Chemistry Research, 2015, 54, 491-501.	3.7	59
21	Extractive Distillation Process Optimisation of the 1.0-1a Class System, Acetone - methanol with Water. Computer Aided Chemical Engineering, 2014, 33, 1315-1320.	0.5	5