

Xinqiang You

List of Publications by Year in descending order

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21
papers

910
citations

567281

15
h-index

713466

21
g-index

21
all docs

21
docs citations

21
times ranked

336
citing authors

#	ARTICLE	IF	CITATIONS
1	Review of extractive distillation. Process design, operation, optimization and control. Chemical Engineering Research and Design, 2019, 141, 229-271.	5.6	162
2	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
3	Systematic design of an extractive distillation for maximum-boiling azeotropes with heavy entrainers. AIChE Journal, 2015, 61, 3898-3910.	3.6	106
4	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
5	Improved Design and Efficiency of the Extractive Distillation Process for Acetone-Methanol with Water. Industrial & Engineering Chemistry Research, 2015, 54, 491-501.	3.7	59
6	Energy-Saving Reduced-Pressure Extractive Distillation with Heat Integration for Separating the Bazeotropic Ternary Mixture Tetrahydrofuran-Methanol-Water. Industrial & Engineering Chemistry Research, 2018, 57, 13498-13510.	3.7	52
7	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
8	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
9	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
10	Investigation of Separation Efficiency Indicator for the Optimization of the Acetone-Methanol Extractive Distillation with Water. Industrial & Engineering Chemistry Research, 2015, 54, 10863-10875.	3.7	31
11	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
12	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
13	Design and Optimization of Sustainable Pressure Swing Distillation for Minimum-Boiling Azeotrope Separation. Industrial & Engineering Chemistry Research, 2019, 58, 21659-21670.	3.7	26
14	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
15	Economic and Environmental Evaluation of Heat-Integrated Pressure-Swing Distillation by Multiobjective Optimization. Industrial & Engineering Chemistry Research, 2022, 61, 9004-9014.	3.7	17
16	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
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	A joint model for calculating capillary pressure of confined fluid based on the SWCF-VR equation of state. <i>Fluid Phase Equilibria</i> , 2019, 498, 59-71.	2.5	2
20	Novel energy saving strategy for separating acetic acid & water in extractive distillation with N-methyl acetamide as entrainer. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 231, 012110.	0.6	1
21	Improved Model for Calculating Physical Properties of Confined Fluid by Considering Adsorption Film Theory Based on the SWCF-VR Equation of State. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 13094-13106.	3.7	1