

# I-Lung Chien

## List of Publications by Citations

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126  
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ext. citations

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#	Paper	IF	Citations
126	Design and Control of an Isopropyl Alcohol Dehydration Process via Extractive Distillation Using Dimethyl Sulfoxide as an Entrainer. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2008</b> , 47, 790-803	3.9	120
125	Design and Control of Dimethyl Carbonate/Methanol Separation via Extractive Distillation in the Dimethyl Carbonate Reactive-Distillation Process. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2010</b> , 49, 735-749	3.9	92
124	Critical Assessment of the Energy-Saving Potential of an Extractive Dividing-Wall Column. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2013</b> , 52, 5384-5399	3.9	89
123	Optimal Design and Effective Control of Triple-Column Extractive Distillation for Separating Ethyl Acetate/Ethanol/Water with Multi-azeotropes. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2019</b> , 58, 7265-7283	3.9	88
122	Design and control of acetic acid dehydration system via heterogeneous azeotropic distillation. <i>Chemical Engineering Science</i> , <b>2004</b> , 59, 4547-4567	4.4	85
121	A Simple Multiloop Tuning Method for PID Controllers with No Proportional Kick. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>1999</b> , 38, 1456-1468	3.9	84
120	Systematic approach for screening organic and ionic liquid solvents in homogeneous extractive distillation exemplified by the tert-butanol dehydration. <i>Separation and Purification Technology</i> , <b>2019</b> , 211, 723-737	8.3	63
119	Energy-Saving Dividing-Wall Column Design and Control for Heterogeneous Azeotropic Distillation Systems. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2014</b> , 53, 1537-1552	3.9	62
118	Energy-Saving Optimal Design and Effective Control of Heat Integration-Extractive Dividing Wall Column for Separating Heterogeneous Mixture Methanol/Toluene/Water with Multi-azeotropes. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2018</b> , 57, 8036-8056	3.9	59
117	Nonlinear identification and control of a high-purity distillation column: a case study. <i>Journal of Process Control</i> , <b>1995</b> , 5, 149-162	3.9	59
116	Investigation of energy-saving azeotropic dividing wall column to achieve cleaner production via heat exchanger network and heat pump technique. <i>Journal of Cleaner Production</i> , <b>2019</b> , 234, 410-422	10.3	56
115	Multi-objective optimization of organic Rankine cycle system for the waste heat recovery in the heat pump assisted reactive dividing wall column. <i>Energy Conversion and Management</i> , <b>2019</b> , 199, 112041	10.6	50
114	Investigation of an energy-saving double-thermally coupled extractive distillation for separating ternary system benzene/toluene/cyclohexane. <i>Energy</i> , <b>2019</b> , 186, 115756	7.9	49
113	Simplified IMC-PID tuning rules. <i>ISA Transactions</i> , <b>1994</b> , 33, 43-59	5.5	49
112	Simple control method for integrating processes with long deadtime. <i>Journal of Process Control</i> , <b>2002</b> , 12, 391-404	3.9	48
111	Design and Control of a Complete Heterogeneous Azeotropic Distillation Column System. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2004</b> , 43, 2160-2174	3.9	47
110	Combined Preconcentrator/Recovery Column Design for Isopropyl Alcohol Dehydration Process. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2007</b> , 46, 2535-2543	3.9	46

109	Design and Control of a Hybrid ExtractionDistillation System for the Separation of Pyridine and Water. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2015</b> , 54, 7715-7727	3.9	45
108	Design of a Complete Ethyl Acetate Reactive Distillation System.. <i>Journal of Chemical Engineering of Japan</i> , <b>2003</b> , 36, 1352-1363	0.8	45
107	Plant-Wide Economic Comparison of Lactic Acid Recovery Processes by Reactive Distillation with Different Alcohols. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2013</b> , 52, 11070-11083	3.9	38
106	Simple PID Controller Tuning Method for Processes with Inverse Response Plus Dead Time or Large Overshoot Response Plus Dead Time. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2003</b> , 42, 4461-4477	3.9	38
105	Efficient separation method for tert -butanol dehydration via extractive distillation. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2017</b> , 73, 27-36	5.3	37
104	Energy-Saving Designs for Separation of a Close-Boiling 1,2-Propanediol and Ethylene Glycol Mixture. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2015</b> , 54, 3828-3843	3.9	36
103	Comparison of heteroazeotropic and extractive distillation for the dehydration of propylene glycol methyl ether. <i>Chemical Engineering Research and Design</i> , <b>2016</b> , 111, 184-195	5.5	35
102	Design and control of butyl acrylate reactive distillation column system. <i>Chemical Engineering Science</i> , <b>2006</b> , 61, 4417-4431	4.4	35
101	Design and Control of Reactive Distillation System for Esterification of Levulinic Acid and n-Butanol. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2015</b> , 54, 3341-3354	3.9	34
100	Design and Control of Thermally Coupled Reactive Distillation for the Production of Isopropyl Acetate. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2012</b> , 51, 11753-11763	3.9	33
99	Control of reactive distillation process for production of ethyl acetate. <i>Journal of Process Control</i> , <b>2007</b> , 17, 363-377	3.9	30
98	Critical Assessment of Using an Ionic Liquid as Entrainer via Extractive Distillation. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2017</b> , 56, 7768-7782	3.9	29
97	Design and optimization of dimethyl oxalate (DMO) hydrogenation process to produce ethylene glycol (EG). <i>Chemical Engineering Research and Design</i> , <b>2017</b> , 121, 173-190	5.5	29
96	High-efficiency utilization of CO2 in the methanol production by a novel parallel-series system combining steam and dry methane reforming. <i>Energy</i> , <b>2018</b> , 158, 820-829	7.9	29
95	Advanced exergy analysis of organic Rankine Cycles for Fischer-Tropsch syngas production with parallel dry and steam methane reforming. <i>Energy Conversion and Management</i> , <b>2019</b> , 199, 111963	10.6	28
94	Reactive Distillation for Esterification of an Alcohol Mixture Containing n-Butanol and n-Amyl Alcohol. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2009</b> , 48, 7186-7204	3.9	28
93	Design and Control of Thermally-Coupled Reactive Distillation System for Esterification of an Alcohol Mixture Containing n-Amyl Alcohol and n-Hexanol. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2013</b> , 52, 17184-17197	3.9	27
92	Design and control of reactive-distillation process for the production of diethyl carbonate via two consecutive trans-esterification reactions. <i>Journal of Process Control</i> , <b>2011</b> , 21, 1193-1207	3.9	26

91	Assessment on CO <sub>2</sub> Utilization through Rigorous Simulation: Converting CO <sub>2</sub> to Dimethyl Carbonate. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2018</b> , 57, 639-652	3.9	25
90	Design, control and comparison of fixed-bed methanation reactor systems for the production of substitute natural gas. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2014</b> , 45, 2346-2357	5.3	25
89	Operation and control of batch extractive distillation for the separation of mixtures with minimum-boiling azeotrope. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2007</b> , 38, 371-383		25
88	Reactive-Distillation Process for Direct Hydration of Cyclohexene to Produce Cyclohexanol. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2014</b> , 53, 7079-7086	3.9	24
87	Design and Control of the Glycerol Tertiary Butyl Ethers Process for the Utilization of a Renewable Resource. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2011</b> , 50, 12706-12716	3.9	24
86	Design and Control of a Heat-Integrated Reactive Distillation System for the Hydrolysis of Methyl Acetate. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2010</b> , 49, 7398-7411	3.9	24
85	Design and Control of Heterogeneous Azeotropic Column System for the Separation of Pyridine and Water. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2009</b> , 48, 10564-10576	3.9	24
84	Gage control of film and sheet-forming processes. <i>AIChE Journal</i> , <b>1996</b> , 42, 753-766	3.6	24
83	Energy-Efficient ExtractionDistillation Process for Separating Diluted AcetonitrileWater Mixture: Rigorous Design with Experimental Verification from Ternary LiquidLiquid Equilibrium Data. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2017</b> , 56, 15112-15121	3.9	23
82	Design and Economic Evaluation of a Coal-Based Polygeneration Process To Coproduce Synthetic Natural Gas and Ammonia. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2015</b> , 54, 10073-10087	3.9	22
81	Design and control of an energy-efficient alternative process for the separation of methanol/toluene/water ternary azeotropic mixture. <i>Separation and Purification Technology</i> , <b>2018</b> , 207, 489-497	8.3	22
80	Design and Control of Acetic Acid Dehydration Column withp-Xylene orm-Xylene Feed Impurity. 1. Importance of Feed Tray Location on the Process Design. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2007</b> , 46, 505-517	3.9	22
79	A SIMPLE METHOD FOR TUNING CASCADE CONTROL SYSTEMS. <i>Chemical Engineering Communications</i> , <b>1998</b> , 165, 89-121	2.2	22
78	Design and Economic Evaluation of a Coal-to-Synthetic Natural Gas Process. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2015</b> , 54, 2339-2352	3.9	21
77	Influence of Feed Impurity on the Design and Operation of an Industrial Acetic Acid Dehydration Column. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2005</b> , 44, 3510-3521	3.9	21
76	Investigating the need of a pre-concentrator column for acetic acid dehydration system via heterogeneous azeotropic distillation. <i>Chemical Engineering Science</i> , <b>2006</b> , 61, 569-585	4.4	21
75	Potential for Significant Energy-Saving via Hybrid ExtractionDistillation System: Design and Control of Separation Process for n-Propanol Dehydration. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2016</b> , 55, 11291-11304	3.9	20
74	Two-Stripper/Decanter Flowsheet for Methanol Recovery in the TAME Reactive-Distillation Process. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2009</b> , 48, 10532-10540	3.9	20

73	Intensification and performance assessment for synthesis of 2-methoxy-2-methyl-heptane through the combined use of different pressure thermally coupled reactive distillation and heat integration technique. <i>Chemical Engineering and Processing: Process Intensification</i> , <b>2019</b> , 142, 107561	3.7	19
72	Coordinated control of blending systems. <i>IEEE Transactions on Control Systems Technology</i> , <b>1998</b> , 6, 495-506	4.06	19
71	Choice of suitable entrainer in heteroazeotropic batch distillation system for acetic acid dehydration. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2008</b> , 39, 503-517		18
70	Feed-splitting operating strategy of a reactive distillation column for energy-saving production of butyl propionate. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2010</b> , 41, 403-413	5.3	17
69	Operation and decoupling control of a heterogeneous azeotropic distillation column. <i>Computers and Chemical Engineering</i> , <b>2000</b> , 24, 893-899	4	17
68	Energy-efficient heterogeneous extractive distillation system for the separation of close-boiling cyclohexane/cyclohexene mixture. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2018</b> , 87, 26-35	5.3	15
67	Dynamic simulation and operation of a high pressure ethylene-vinyl acetate (EVA) copolymerization autoclave reactor. <i>Computers and Chemical Engineering</i> , <b>2007</b> , 31, 233-245	4	15
66	Self-tuning control with decoupling. <i>AIChE Journal</i> , <b>1987</b> , 33, 1079-1088	3.6	14
65	CO <sub>2</sub> Utilization Feasibility Study: Dimethyl Carbonate Direct Synthesis Process with Dehydration Reactive Distillation. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2020</b> , 59, 1234-1248	3.9	14
64	Control of Highly Interconnected Reactive Distillation Processes: Purification of Raw Lactic Acid by Esterification and Hydrolysis. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2015</b> , 54, 6932-6940	3.9	13
63	Energy-Saving Design and Control of a Methyl Methacrylate Separation Process. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2016</b> , 55, 3064-3074	3.9	13
62	Dynamic modeling and analyses of simultaneous saccharification and fermentation process to produce bio-ethanol from rice straw. <i>Bioprocess and Biosystems Engineering</i> , <b>2010</b> , 33, 195-205	3.7	12
61	Design and Control of an Acetic Acid Dehydration Column with p-Xylene or m-Xylene Feed Impurity. 2. Bifurcation Analysis and Control. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2008</b> , 47, 3046-3059	3.9	12
60	Design and control of an ethyl acetate process: coupled reactor/column configuration. <i>Journal of Process Control</i> , <b>2005</b> , 15, 435-449	3.9	12
59	Fuzzy-Logic-Based Supervisor of Insulin Bolus Delivery for Patients with Type 1 Diabetes Mellitus. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2013</b> , 52, 1678-1690	3.9	11
58	Design and Control of a Methyl Methacrylate Separation Process with a Middle Decanter. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2011</b> , 50, 4595-4607	3.9	11
57	Design and Optimization of the Methanol-to-Olefin Process. Part II: Comparison of Different Methods for Propylene/Propane Separation. <i>Chemical Engineering and Technology</i> , <b>2016</b> , 39, 2304-2311	2	10
56	Overall control strategy of a coupled reactor/columns process for the production of ethyl acrylate. <i>Journal of Process Control</i> , <b>2008</b> , 18, 215-231	3.9	10

55	Multiple-model control strategy for a fed-batch high cell-density culture processing. <i>Journal of Process Control</i> , <b>2006</b> , 16, 9-26	3.9	10
54	Energy-efficient separation design of diisopropylether/isopropanol/water system having three distillation regions and liquid-liquid envelope. <i>Separation and Purification Technology</i> , <b>2020</b> , 251, 117292	8.3	10
53	Development of a plant-wide Dimethyl Oxalate (DMO) synthesis process from syngas: Rigorous design and optimization. <i>Computers and Chemical Engineering</i> , <b>2018</b> , 119, 85-100	4	9
52	Design and Control of Ethanol/Benzene Separation by Energy-Saving ExtractionDistillation Process Using Glycerol as an Effective Heavy Solvent. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2019</b> , 58, 14295-14311	3.9	9
51	Design and control of a biodiesel production process using sugar catalyst for oil feedstock with different free fatty acid concentrations. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2014</b> , 45, 76-84	5.3	9
50	Design and control of a reactive-distillation process for esterification of an alcohol mixture containing ethanol and n-butanol. <i>Computers and Chemical Engineering</i> , <b>2013</b> , 57, 63-77	4	9
49	Grade transition using dynamic neural networks for an industrial high-pressure ethyleneVinyl acetate (EVA) copolymerization process. <i>Computers and Chemical Engineering</i> , <b>2009</b> , 33, 1371-1378	4	9
48	Design and Optimization of the Methanol-to-Olefin Process. Part I: Steady-State Design and Optimization. <i>Chemical Engineering and Technology</i> , <b>2016</b> , 39, 2293-2303	2	9
47	Design and control of an energy-efficient process for the separation of benzene/isopropanol/water ternary mixture. <i>Separation and Purification Technology</i> , <b>2021</b> , 255, 117694	8.3	9
46	Unique Design Considerations for Maximum-Boiling Azeotropic Systems via Extractive Distillation: Acetone/Chloroform Separation. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2018</b> , 57, 12884-12894	2.9	9
45	Improved Design and Control of Triacetin Reactive Distillation Process for the Utilization of Glycerol. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2014</b> , 53, 11989-12002	3.9	8
44	Control Study to Enhance the Controllability of Heterogeneous Extractive Distillation: Cyclohexane/Cyclohexene Separation. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2019</b> , 58, 3211-3224	3.9	7
43	Investigation of the Energy-Saving Design of an Industrial 1,4-Dioxane Dehydration Process with Light Feed Impurity. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2014</b> , 53, 15667-15685	3.9	6
42	A Hybrid Neural Network Model Predictive Control with Zone Penalty Weights for Type 1 Diabetes Mellitus. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2012</b> , 51, 9041-9060	3.9	6
41	IDENTIFICATION OF TRANSFER FUNCTION MODELS FROM THE RELAY FEEDBACK TEST. <i>Chemical Engineering Communications</i> , <b>2000</b> , 180, 231-253	2.2	6
40	Improved design of separation system for the recovery of benzene and isopropanol from wastewater. <i>Separation and Purification Technology</i> , <b>2021</b> , 260, 118227	8.3	6
39	DESIGN AND CONTROL OF POLY(OXYMETHYLENE) DIMETHYL ETHERS PRODUCTION PROCESS DIRECTLY FROM FORMALDEHYDE AND METHANOL IN AQUEOUS SOLUTIONS. <i>IFAC-PapersOnLine</i> , <b>2018</b> , 51, 578-583	0.7	6
38	Intensified hybrid reactive-extractive distillation process for the separation of water-containing ternary mixtures. <i>Separation and Purification Technology</i> , <b>2021</b> , 279, 119712	8.3	6



37	Rigorous Design and Optimization of Methyl Glycolate Production Process through Reactive Distillation Combined with a Middle Dividing-Wall Column. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2019</b> , 58, 5215-5227	3.9	5
36	A SIMPLE TITO PI TUNING METHOD SUITABLE FOR INDUSTRIAL APPLICATIONS. <i>Chemical Engineering Communications</i> , <b>2000</b> , 182, 181-196	2.2	5
35	Improved operating policy utilizing aerobic operation for fermentation process to produce bio-ethanol. <i>Biochemical Engineering Journal</i> , <b>2012</b> , 68, 178-189	4.2	4
34	Plant-Wide Control of a Complete Ethyl Acetate Reactive Distillation Process. <i>Journal of Chemical Engineering of Japan</i> , <b>2005</b> , 38, 130-146	0.8	4
33	Energy-efficient design of extraction-distillation process for 2,2,3,3-tetrafluoro-1-propanol/water separation with thermodynamically verified liquid-liquid and vapor-liquid equilibrium behaviors. <i>Separation and Purification Technology</i> , <b>2020</b> , 238, 116447	8.3	4
32	Novel Control Strategy for Maximum Boiling Extractive Distillation Systems: Acetone/Chloroform Separation. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2020</b> , 59, 8740-8756	3.9	4
31	Design of Azeotropic Distillation Systems <b>2017</b> , 355-385		3
30	Design and control of homogeneous and heterogeneous reactive distillation for ethyl acetate process. <i>Computer Aided Chemical Engineering</i> , <b>2006</b> , 21, 1045-1050	0.6	3
29	Arrangement of multi-sensor for spatio-temporal systems: application to sheet-forming processes. <i>Chemical Engineering Science</i> , <b>2001</b> , 56, 5709-5717	4.4	3
28	Design and Economic Evaluation of Coal to Synthetic Natural Gas (SNG) Process. <i>Computer Aided Chemical Engineering</i> , <b>2015</b> , 37, 1109-1114	0.6	2
27	Modified control algorithms for patients with type 1 diabetes mellitus undergoing exercise. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2014</b> , 45, 2081-2095	5.3	2
26	Design of a complete ethyl acetate reactive distillation column system. <i>Computer Aided Chemical Engineering</i> , <b>2003</b> , 15, 1044-1049	0.6	2
25	Bifurcation in the Reactive Distillation for Ethyl Acetate at Lower Murphree Plate Efficiency. <i>Journal of Chemical Engineering of Japan</i> , <b>2006</b> , 39, 642-651	0.8	2
24	Technical and economic evaluation of triethylene glycol regeneration process using flash gas as stripping gas in a domestic natural gas dehydration unit. <i>Engineering Reports</i> , <b>2020</b> , 2, e12153	1.2	2
23	Energy-saving design and control of a hybrid extraction/distillation system for the separation of pyridine and water. <i>Computer Aided Chemical Engineering</i> , <b>2015</b> , 1121-1126	0.6	1
22	Improved Design of Maximum-Boiling Phenol/Cyclohexanone Separation with Experimentally Verified Vapor/Liquid Equilibrium Behaviors. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2020</b> , 59, 6007-6020	3.9	1
21	Simulation and optimization of structured packing replacement in absorption column of natural gas dehydration unit using triethylene glycol (TEG) <b>2017</b> ,		1
20	Plantwide Control of a Reactive Distillation Process <b>2012</b> , 319-338		1

19	Importance of the selection of feed tray location on the optimum design of a heterogeneous azeotropic distillation column with p-xylene feed impurity. <i>Computer Aided Chemical Engineering</i> , <b>2006</b> , 997-1002	0.6	1
18	Design and control of a complete heterogeneous azeotropic distillation column system. <i>Computer Aided Chemical Engineering</i> , <b>2003</b> , 15, 760-765	0.6	1
17	Reply to Comments on simple control method for integrating processes with long deadtime□ <i>Journal of Process Control</i> , <b>2003</b> , 13, 365	3.9	1
16	Design sensor trajectory for control: Application to sheet-forming processes. <i>AIChE Journal</i> , <b>2000</b> , 46, 1581-1592	3.6	1
15	A novel energy-efficient process of converting CO <sub>2</sub> to dimethyl ether with techno-economic and environmental evaluation. <i>Chemical Engineering Research and Design</i> , <b>2022</b> , 177, 1-12	5.5	1
14	Batch Distillation of Azeotropes <b>2010</b> , 387-428		1
13	Acetic Acid/Water (Isobutyl Acetate as the Entrainer) <b>2010</b> , 245-295		1
12	Method for obtaining an empirical microbial growth model via chemostat operation. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2010</b> , 41, 421-433	5.3	0
11	Process synthesis and plantwide control of intensified extractive distillation with preconcentration for separating the minimum-boiling azeotropes: A case study of acetonitrile dehydration. <i>Separation and Purification Technology</i> , <b>2022</b> , 285, 120397	8.3	0
10	Novel control strategy of intensified hybrid reactive-extractive distillation process for the separation of water-containing ternary mixtures. <i>Separation and Purification Technology</i> , <b>2022</b> , 294, 121159	8.3	0
9	Potentials for CO <sub>2</sub> Utilization: Diethyl Carbonate Synthesis from Propylene Oxide. <i>Computer Aided Chemical Engineering</i> , <b>2018</b> , 44, 133-138	0.6	
8	Process Simulation and Design of Acrylic Acid Production <b>2017</b> , 275-309		
7	Design and Control of a Reactive-Distillation Process for Esterification of an Alcohol Mixture Containing Ethanol and n-Butanol. <i>Computer Aided Chemical Engineering</i> , <b>2012</b> , 1577-1581	0.6	
6	Opportunities for Energy Savings in Azeotropic Separation Processes. <i>Computer Aided Chemical Engineering</i> , <b>2012</b> , 31, 75-82	0.6	
5	Phase Equilibrium <b>2010</b> , 11-43		
4	Steady-State Design in Aspen Plus <b>2010</b> , 45-95		
3	Isopropanol/Water (Cyclohexane as the Entrainer) <b>2010</b> , 219-244		
2	Isopropanol/Water (Dimethyl Sulfoxide as the Entrainer) <b>2010</b> , 299-325		



- 1 Rebuttal to the Comment on CO<sub>2</sub> Utilization Feasibility Study: Dimethyl Carbonate Direct Synthesis Process with Dehydration Reactive Distillation *Industrial & Engineering Chemistry Research*, **2020**, 59, 15390-15391 3.9