

William L Luyben

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

176
papers

5,645
citations

43
h-index

68
g-index

178
ext. papers

6,198
ext. citations

4
avg, IF

6.83
L-index

#	Paper	IF	Citations
176	Importance of pressure-selection in pressure-swing distillation. <i>Computers and Chemical Engineering</i> , 2021 , 149, 107279	4	3
175	A method for designing equal-area multi-effect evaporators. <i>Chemical Engineering Research and Design</i> , 2021 , 170, 69-75	5.5	1
174	Dynamic simulation and control of a combustion turbine process for biogas derived methane. <i>Computers and Chemical Engineering</i> , 2021 , 144, 107121	4	2
173	Optimum vacuum distillation pressure. <i>Chemical Engineering and Processing: Process Intensification</i> , 2021 , 171, 108630	3.7	0
172	Control of a distillation column with side stripper and side rectifier. <i>Chemical Engineering Research and Design</i> , 2020 , 161, 38-44	5.5	6
171	Design and control of distillation columns with inert venting. <i>Computers and Chemical Engineering</i> , 2020 , 134, 106725	4	2
170	Energy management in distillation preheat systems. <i>Chemical Engineering and Processing: Process Intensification</i> , 2020 , 156, 108074	3.7	7
169	Control structures for process piping systems. <i>Chemical Engineering Research and Design</i> , 2020 , 162, 28-37	5	5
168	Simplified plantwide control structure for the diethyl oxalate process. <i>Computers and Chemical Engineering</i> , 2019 , 126, 451-464	4	0
167	High-pressure versus low-pressure auxiliary condensers in distillation vapor recompression. <i>Computers and Chemical Engineering</i> , 2019 , 125, 427-433	4	5
166	Refrigerant selection for different cryogenic temperatures. <i>Computers and Chemical Engineering</i> , 2019 , 126, 241-248	4	5
165	Vapor split manipulation in extractive divided-wall distillation columns. <i>Chemical Engineering and Processing: Process Intensification</i> , 2018 , 126, 132-140	3.7	23
164	Control of heat-integrated extractive distillation processes. <i>Computers and Chemical Engineering</i> , 2018 , 111, 267-277	4	28
163	Series versus parallel reboilers in distillation columns. <i>Chemical Engineering Research and Design</i> , 2018 , 133, 294-302	5.5	17
162	Design and control of a pressure-swing distillation process with vapor recompression. <i>Chemical Engineering and Processing: Process Intensification</i> , 2018 , 123, 174-184	3.7	34
161	Dynamic simulation of multi-effect evaporators. <i>Chemical Engineering and Processing: Process Intensification</i> , 2018 , 131, 106-115	3.7	11
160	Comparison of flowsheets for THF/water separation using pressure-swing distillation. <i>Computers and Chemical Engineering</i> , 2018 , 115, 407-411	4	21

159	Effect of feed composition on cryogenic distillation precooling configurations. <i>Computers and Chemical Engineering</i> , 2018 , 118, 261-267	4	3
158	Improved plantwide control structure for extractive divided-wall columns with vapor recompression. <i>Chemical Engineering Research and Design</i> , 2017 , 123, 152-164	5.5	24
157	Estimating refrigeration costs at cryogenic temperatures. <i>Computers and Chemical Engineering</i> , 2017 , 103, 144-150	4	22
156	Design and control of a cryogenic multi-stage compression refrigeration process. <i>Chemical Engineering Research and Design</i> , 2017 , 121, 360-367	5.5	13
155	Design and Control Comparison of Alternative Separation Methods for n-Heptane/Isobutanol. <i>Chemical Engineering and Technology</i> , 2017 , 40, 1895-1906	2	17
154	Control of a triple-column pressure-swing distillation process. <i>Separation and Purification Technology</i> , 2017 , 174, 232-244	8.3	39
153	Control of a recuperative vapor- recompression air separation process. <i>Journal of Process Control</i> , 2016 , 45, 55-64	3.9	6
152	Economic trade-offs in acrylic acid reactor design. <i>Computers and Chemical Engineering</i> , 2016 , 93, 118-127	4	8
151	Control of parallel dry methane and steam methane reforming processes for Fischer-Tropsch syngas. <i>Journal of Process Control</i> , 2016 , 39, 77-87	3.9	29
150	Control comparison of conventional and thermally coupled ternary extractive distillation processes. <i>Chemical Engineering Research and Design</i> , 2016 , 106, 253-262	5.5	59
149	Comparison of a conventional two-column demethanizer/deethanizer configuration requiring refrigerated condensers with a nonconventional column/rectifier configuration. <i>Journal of Chemical Technology and Biotechnology</i> , 2016 , 91, 1688-1696	3.5	6
148	Distillation column pressure selection. <i>Separation and Purification Technology</i> , 2016 , 168, 62-67	8.3	56
147	Control of an azeotropic DWC with vapor recompression. <i>Chemical Engineering and Processing: Process Intensification</i> , 2016 , 109, 114-124	3.7	31
146	Simple control structure for a compression purification process in an oxy-combustion power plant. <i>AICHE Journal</i> , 2015 , 61, 1581-1588	3.6	3
145	Aspen Dynamics simulation of a middle-vessel batch distillation process. <i>Journal of Process Control</i> , 2015 , 33, 49-59	3.9	32
144	Methane Conversion to Syngas for Gas-to-Liquids (GTL): Is Sustainable CO ₂ Reuse via Dry Methane Reforming (DMR) Cost Competitive with SMR and ATR Processes?. <i>ACS Sustainable Chemistry and Engineering</i> , 2015 , 3, 2100-2111	8.3	64
143	Heat exchanger simulations involving phase changes. <i>Computers and Chemical Engineering</i> , 2014 , 67, 133-136	4	21
142	Control of a Heat-Integrated Pressure-Swing Distillation Process for the Separation of a Maximum-Boiling Azeotrope. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 18042-18053	3.9	41

141	Design and Control of Stacked-Column Distillation Systems. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 13139-13145	3.9	3
140	Effect of Peak Temperature Limitations on the Design of Processes with Cooled Tubular Reactors. <i>International Journal of Chemical Reactor Engineering</i> , 2014 , 12, 191-203	1.2	0
139	Optimum Product Recovery in Chemical Process Design. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 16044-16050	3.9	7
138	Methanol/Trimethoxysilane Azeotrope Separation Using Pressure-Swing Distillation. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 5590-5597	3.9	47
137	Design and Control of the Dry Methane Reforming Process. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 14423-14439	3.9	48
136	Control of a Train of Distillation Columns for the Separation of Natural Gas Liquid. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 10741-10753	3.9	13
135	NGL Demethanizer Control. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 11626-11638	3.9	18
134	Control of an Extractive Distillation System for the Separation of CO ₂ and Ethane in Enhanced Oil Recovery Processes. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 10780-10787	3.9	25
133	Design and control of dual condensers in distillation columns. <i>Chemical Engineering and Processing: Process Intensification</i> , 2013 , 74, 106-114	3.7	4
132	Decanter Anomaly. <i>AIChE Journal</i> , 2013 , 59, 2088-2095	3.6	2
131	Ethanol Dehydration 2013 , 457-468		
130	Comparison of extractive distillation and pressure-swing distillation for acetone/chloroform separation. <i>Computers and Chemical Engineering</i> , 2013 , 50, 1-7	4	154
129	External Reset Feedback for Constrained Economic Process Operation. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 9654-9664	3.9	5
128	Chemical Process Engineering Principles of Combustion Turbines. <i>Energy & Fuels</i> , 2013 , 27, 6316-6321	4.1	3
127	Economic Optimum Design of the Heterogeneous Azeotropic Dehydration of Ethanol. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 16427-16432	3.9	30
126	Design of a Petroleum Preflash Column. <i>Energy & Fuels</i> , 2012 , 26, 1268-1274	4.1	8
125	New Control Structure for Feed-Effluent Heat Exchanger/Reactor Systems. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 8566-8574	3.9	14
124	Use of dynamic simulation for reactor safety analysis. <i>Computers and Chemical Engineering</i> , 2012 , 40, 97-109	4	27

123	Design and Control of a Cooled Ammonia Reactor 2012 , 273-292		3
122	Heuristics for Plantwide Control 2012 , 97-119		1
121	Design and Control of the Acetone Process via Dehydrogenation of 2-Propanol. <i>Industrial & Engineering Chemistry Research</i> , 2011 , 50, 1206-1218	3.9	17
120	Design and Control of the Styrene Process. <i>Industrial & Engineering Chemistry Research</i> , 2011 , 50, 1231-1246	3.9	25
119	Design and Control of the Butyl Acetate Process <i>Industrial & Engineering Chemistry Research</i> , 2011 , 50, 1247-1263	3.9	19
118	Compressor Heuristics for Conceptual Process Design. <i>Industrial & Engineering Chemistry Research</i> , 2011 , 50, 13984-13989	3.9	14
117	Control of an Isomerization Column/Reactor Process. <i>Industrial & Engineering Chemistry Research</i> , 2011 , 50, 3382-3389	3.9	3
116	Design and Control of a Modified Vinyl Acetate Monomer Process. <i>Industrial & Engineering Chemistry Research</i> , 2011 , 50, 10136-10147	3.9	9
115	Design and control of the ethyl benzene process. <i>AIChE Journal</i> , 2011 , 57, 655-670	3.6	34
114	Heuristic Design of Reaction/Separation Processes with Two Recycles. <i>Industrial & Engineering Chemistry Research</i> , 2011 , 50, 4788-4795	3.9	6
113	Plantwide Control of a Hybrid Integrated Gasification Combined Cycle/Methanol Plant. <i>Industrial & Engineering Chemistry Research</i> , 2011 , 50, 4579-4594	3.9	22
112	Design and Control of a Methanol Reactor/Column Process. <i>Industrial & Engineering Chemistry Research</i> , 2010 , 49, 6150-6163	3.9	91
111	Design and Control of a Methyl Acetate Process Using Carbonylation of Dimethyl Ether. <i>Industrial & Engineering Chemistry Research</i> , 2010 , 49, 12224-12241	3.9	16
110	Design and Control of the Cumene Process. <i>Industrial & Engineering Chemistry Research</i> , 2010 , 49, 719-734	3.9	43
109	Integrated Gasification Combined Cycle Dynamic Model: H ₂ S Absorption/Stripping, Water-Gas Shift Reactors, and CO ₂ Absorption/Stripping. <i>Industrial & Engineering Chemistry Research</i> , 2010 , 49, 4766-4781	3.9	44
108	Temperature Control of the BTX Divided-Wall Column. <i>Industrial & Engineering Chemistry Research</i> , 2010 , 49, 189-203	3.9	106
107	Turndown Control Structures for Distillation Columns. <i>Industrial & Engineering Chemistry Research</i> , 2010 , 49, 12548-12559	3.9	2
106	Feed-Stage Multiplicity in Multicomponent Distillation. <i>Industrial & Engineering Chemistry Research</i> , 2010 , 49, 3980-3982	3.9	2

105	Isopropanol/Water (Dimethyl Sulfoxide as the Entrainer) 2010 , 299-325		
104	New Control Structure for Divided-Wall Columns. <i>Industrial & Engineering Chemistry Research</i> , 2009 , 48, 6034-6049	3.9	143
103	Method for Evaluating Single-End Control of Distillation Columns. <i>Industrial & Engineering Chemistry Research</i> , 2009 , 48, 10594-10603	3.9	2
102	Unusual Control Structure for High Reflux Ratio Distillation Columns. <i>Industrial & Engineering Chemistry Research</i> , 2009 , 48, 11048-11059	3.9	6
101	Design and Control of the Monoisopropylamine Process. <i>Industrial & Engineering Chemistry Research</i> , 2009 , 48, 10551-10563	3.9	12
100	Design and Control of an Autorefrigerated Alkylation Process. <i>Industrial & Engineering Chemistry Research</i> , 2009 , 48, 11081-11093	3.9	10
99	Two-Stripper/Decanter Flowsheet for Methanol Recovery in the TAME Reactive-Distillation Process. <i>Industrial & Engineering Chemistry Research</i> , 2009 , 48, 10532-10540	3.9	20
98	Control of a Column/Pervaporation Process for Separating the Ethanol/Water Azeotrope. <i>Industrial & Engineering Chemistry Research</i> , 2009 , 48, 3484-3495	3.9	46
97	Optimum Economic Design and Control of a Gas Permeation Membrane Coupled with the Hydrodealkylation (HDA) Process. <i>Industrial & Engineering Chemistry Research</i> , 2008 , 47, 1221-1237	3.9	27
96	Design and Control of a Fully Heat-Integrated Pressure-Swing Azeotropic Distillation System. <i>Industrial & Engineering Chemistry Research</i> , 2008 , 47, 2681-2695	3.9	87
95	Effect of Solvent on Controllability in Extractive Distillation. <i>Industrial & Engineering Chemistry Research</i> , 2008 , 47, 4425-4439	3.9	58
94	Control of the Heterogeneous Azeotropic n-Butanol/Water Distillation System. <i>Energy & Fuels</i> , 2008 , 22, 4249-4258	4.1	100
93	Economic Incentive for Intermittent Operation of Air Separation Plants with Variable Power Costs. <i>Industrial & Engineering Chemistry Research</i> , 2008 , 47, 1132-1139	3.9	29
92	Control of the Maximum-Boiling Acetone/Chloroform Azeotropic Distillation System. <i>Industrial & Engineering Chemistry Research</i> , 2008 , 47, 6140-6149	3.9	34
91	Comparison of Extractive Distillation and Pressure-Swing Distillation for Acetone/Methanol Separation. <i>Industrial & Engineering Chemistry Research</i> , 2008 , 47, 2696-2707	3.9	163
90	Dynamic Control of a Column/Side-Reactor Process. <i>Industrial & Engineering Chemistry Research</i> , 2008 , 47, 8704-8712	3.9	6
89	Simple Dynamic Gasifier Model That Runs in Aspen Dynamics. <i>Industrial & Engineering Chemistry Research</i> , 2008 , 47, 7784-7792	3.9	59
88	Quantitative comparison of dynamic controllability between a reactive distillation column and a conventional multi-unit process. <i>Computers and Chemical Engineering</i> , 2008 , 32, 1456-1470	4	19

87	Control of Ternary Reactive Distillation Columns with and without Chemically Inert Components. <i>Industrial & Engineering Chemistry Research</i> , 2007 , 46, 5576-5590	3.9	12
86	Effect of Kinetic and Design Parameters on Ternary Reactive Distillation Columns. <i>Industrial & Engineering Chemistry Research</i> , 2007 , 46, 6944-6952	3.9	5
85	Optimum Design of a Column/Side Reactor Process. <i>Industrial & Engineering Chemistry Research</i> , 2007 , 46, 5175-5185	3.9	20
84	Quantitative comparison of alternative control schemes for air-cooled condensers. <i>AIChE Journal</i> , 2006 , 52, 611-622	3.6	2
83	Control of a multiunit heterogeneous azeotropic distillation process. <i>AIChE Journal</i> , 2006 , 52, 623-637	3.6	74
82	Plantwide control of an isopropyl alcohol dehydration process. <i>AIChE Journal</i> , 2006 , 52, 2290-2296	3.6	53
81	Evaluation of a two-temperature control structure for a two-reactant/two-product type of reactive distillation column. <i>Chemical Engineering Science</i> , 2006 , 61, 4432-4450	4.4	42
80	Evaluation of criteria for selecting temperature control trays in distillation columns. <i>Journal of Process Control</i> , 2006 , 16, 115-134	3.9	117
79	2006 ,		131
78	Comparison of Two Types of Two-Temperature Control Structures for Reactive Distillation Columns. <i>Industrial & Engineering Chemistry Research</i> , 2005 , 44, 4625-4640	3.9	54
77	Guides for the Selection of Control Structures for Ternary Distillation Columns. <i>Industrial & Engineering Chemistry Research</i> , 2005 , 44, 7113-7119	3.9	9
76	Effect of Feed Composition on the Selection of Control Structures for High-Purity Binary Distillation. <i>Industrial & Engineering Chemistry Research</i> , 2005 , 44, 7800-7813	3.9	15
75	Comparison of Pressure-Swing and Extractive-Distillation Methods for Methanol-Recovery Systems in the TAME Reactive-Distillation Process. <i>Industrial & Engineering Chemistry Research</i> , 2005 , 44, 5715-5725	3.9	55
74	Plantwide control for TAME production using reactive distillation. <i>AIChE Journal</i> , 2004 , 50, 1462-1473	3.6	62
73	Effect of Relative Volatility on the Quantitative Comparison of Reactive Distillation and Conventional Multi-unit Systems. <i>Industrial & Engineering Chemistry Research</i> , 2004 , 43, 3151-3162	3.9	33
72	Alternative Control Structures for Distillation Columns with Partial Condensers. <i>Industrial & Engineering Chemistry Research</i> , 2004 , 43, 6416-6429	3.9	6
71	Design and Control of Conventional and Reactive Distillation Processes for the Production of Butyl Acetate. <i>Industrial & Engineering Chemistry Research</i> , 2004 , 43, 8014-8025	3.9	48
70	Effect of the Chemical Equilibrium Constant on the Design of Reactive Distillation Columns. <i>Industrial & Engineering Chemistry Research</i> , 2004 , 43, 3666-3671	3.9	16

69	Quantitative Comparison of Temperature Control of Reactors with Jacket Cooling or Internal Cooling Coils. <i>Industrial & Engineering Chemistry Research</i> , 2004 , 43, 2691-2703	3.9	5
68	Dynamic Comparison of Alternative Tubular Reactor Systems. <i>Industrial & Engineering Chemistry Research</i> , 2004 , 43, 1003-1029	3.9	6
67	Quantitative Comparison of Reactive Distillation with Conventional Multiunit Reactor/Column/Recycle Systems for Different Chemical Equilibrium Constants. <i>Industrial & Engineering Chemistry Research</i> , 2004 , 43, 2493-2507	3.9	57
66	Dynamic Disadvantages of Intensification in Inherently Safer Process Design. <i>Industrial & Engineering Chemistry Research</i> , 2004 , 43, 384-396	3.9	34
65	Mathematical Modeling and Control of a Multiboiler Steam Generation System. <i>Industrial & Engineering Chemistry Research</i> , 2004 , 43, 1839-1852	3.9	3
64	Design and Control of Distillation Columns with Intermediate Reboilers. <i>Industrial & Engineering Chemistry Research</i> , 2004 , 43, 8244-8250	3.9	14
63	Design and Control of Refrigerated-Purge Distillation Columns. <i>Industrial & Engineering Chemistry Research</i> , 2004 , 43, 8133-8140	3.9	
62	Plantwide Control of Continuous Multiproduct Processes: Two-Product Process. <i>Industrial & Engineering Chemistry Research</i> , 2003 , 42, 1890-1904	3.9	2
61	Plantwide Control of Continuous Multiproduct Processes: Three-Product Process. <i>Industrial & Engineering Chemistry Research</i> , 2003 , 42, 2809-2825	3.9	4
60	Control of ethylene glycol reactive distillation column. <i>AIChE Journal</i> , 2002 , 48, 905-908	3.6	41
59	Design and control of an olefin metathesis reactive distillation column. <i>Chemical Engineering Science</i> , 2002 , 57, 715-733	4.4	47
58	Comparative control study of ideal and methyl acetate reactive distillation. <i>Chemical Engineering Science</i> , 2002 , 57, 5039-5050	4.4	83
57	Control Study of Ethyl tert-Butyl Ether Reactive Distillation. <i>Industrial & Engineering Chemistry Research</i> , 2002 , 41, 3784-3796	3.9	48
56	Dynamic Modeling and Control of a Hot-Gas Desulfurization Process with a Transport Desulfurizer. <i>Industrial & Engineering Chemistry Research</i> , 2001 , 40, 1157-1167	3.9	9
55	Getting More Information from Relay-Feedback Tests. <i>Industrial & Engineering Chemistry Research</i> , 2001 , 40, 4391-4402	3.9	74
54	Effect of Derivative Algorithm and Tuning Selection on the PID Control of Dead-Time Processes. <i>Industrial & Engineering Chemistry Research</i> , 2001 , 40, 3605-3611	3.9	46
53	Design and Control of a Gas-Phase Adiabatic Tubular Reactor Process with Liquid Recycle. <i>Industrial & Engineering Chemistry Research</i> , 2001 , 40, 3762-3774	3.9	14
52	Design of Cooled Tubular Reactor Systems. <i>Industrial & Engineering Chemistry Research</i> , 2001 , 40, 5775-5783	3.9	9

51	Extensions of the Simultaneous Design of Gas-Phase Adiabatic Tubular Reactor Systems with Gas Recycle. <i>Industrial & Engineering Chemistry Research</i> , 2001 , 40, 635-647	3.9	26
50	Effect of Design and Kinetic Parameters on the Control of Cooled Tubular Reactor Systems. <i>Industrial & Engineering Chemistry Research</i> , 2001 , 40, 3623-3633	3.9	14
49	Design and Control of Tubular Reactor Systems with Both Gas and Liquid Recycles. <i>Industrial & Engineering Chemistry Research</i> , 2001 , 40, 4089-4101	3.9	7
48	Effect of number of fractionating trays on reactive distillation performance. <i>AIChE Journal</i> , 2000 , 46, 2417-2425	3.6	16
47	Steady-State and Dynamic Effects of Design Alternatives in Heat-Exchanger/Furnace/Reactor Processes. <i>Industrial & Engineering Chemistry Research</i> , 2000 , 39, 3335-3346	3.9	28
46	Effect of Kinetic, Design, and Operating Parameters on Reactor Gain. <i>Industrial & Engineering Chemistry Research</i> , 2000 , 39, 2384-2391	3.9	15
45	Tuning Proportional-Integral Controllers for Processes with Both Inverse Response and Deadtime. <i>Industrial & Engineering Chemistry Research</i> , 2000 , 39, 973-976	3.9	39
44	Comparison of Alternative Control Structures for an Ideal Two-Product Reactive Distillation Column. <i>Industrial & Engineering Chemistry Research</i> , 2000 , 39, 3298-3307	3.9	122
43	Impact of Reaction Activation Energy on Plantwide Control Structures in Adiabatic Tubular Reactor Systems. <i>Industrial & Engineering Chemistry Research</i> , 2000 , 39, 2345-2354	3.9	8
42	Control of Outlet Temperature in Adiabatic Tubular Reactors. <i>Industrial & Engineering Chemistry Research</i> , 2000 , 39, 1271-1278	3.9	3
41	Design and Control of Gas-Phase Reactor/Recycle Processes with Reversible Exothermic Reactions. <i>Industrial & Engineering Chemistry Research</i> , 2000 , 39, 1529-1538	3.9	22
40	Economic and Dynamic Impact of the Use of Excess Reactant in Reactive Distillation Systems. <i>Industrial & Engineering Chemistry Research</i> , 2000 , 39, 2935-2946	3.9	55
39	Dynamic Model and Control Structures for a Hot-Gas Desulfurization Fluidized Process. <i>Industrial & Engineering Chemistry Research</i> , 1999 , 38, 4290-4298	3.9	9
38	Effect of Feed Impurity on the Design and Control of a Ternary Two-Recycle Process. <i>Industrial & Engineering Chemistry Research</i> , 1999 , 38, 3430-3437	3.9	1
37	Inherent Dynamic Problems with On-Demand Control Structures. <i>Industrial & Engineering Chemistry Research</i> , 1999 , 38, 2315-2329	3.9	12
36	External versus Internal Open-Loop Unstable Processes. <i>Industrial & Engineering Chemistry Research</i> , 1998 , 37, 2713-2720	3.9	22
35	Plantwide Design and Control of Processes with Inerts. 2. Heavy Inerts. <i>Industrial & Engineering Chemistry Research</i> , 1998 , 37, 528-534	3.9	1
34	Plantwide Design and Control of Processes with Inerts. 1. Light Inerts. <i>Industrial & Engineering Chemistry Research</i> , 1998 , 37, 516-527	3.9	4

33	Tuning Temperature Controllers on Openloop Unstable Reactors. <i>Industrial & Engineering Chemistry Research</i> , 1998 , 37, 4322-4331	3.9	21
32	Plantwide Design and Control of Processes with Inerts. 3. Intermediate Inerts. <i>Industrial & Engineering Chemistry Research</i> , 1998 , 37, 535-546	3.9	2
31	Rebuttal to the Comments of Thomas J. McAvoy on Simple Regulatory Control of the Eastman Process. <i>Industrial & Engineering Chemistry Research</i> , 1997 , 36, 1954-1954	3.9	1
30	Inventory Control in Processes with Recycle. <i>Industrial & Engineering Chemistry Research</i> , 1997 , 36, 706-716	3.9	11
29	Design of Low-Frequency Compensators for Improvement of Plantwide Regulatory Performance. <i>Industrial & Engineering Chemistry Research</i> , 1997 , 36, 5339-5347	3.9	12
28	Plantwide control design procedure. <i>AIChE Journal</i> , 1997 , 43, 3161-3174	3.6	149
27	Design and control of coupled reactor/column systems Part 1. A binary coupled reactor/rectifier system. <i>Computers and Chemical Engineering</i> , 1997 , 21, 25-46	4	28
26	Design and control of coupled reactor/column systems Part 2. More complex coupled reactor/column systems. <i>Computers and Chemical Engineering</i> , 1997 , 21, 47-67	4	15
25	Design and control of coupled reactor/column systems Part 3. A reactor/stripper with two columns and recycle. <i>Computers and Chemical Engineering</i> , 1997 , 21, 69-86	4	13
24	Simple Regulatory Control of the Eastman Process. <i>Industrial & Engineering Chemistry Research</i> , 1996 , 35, 3280-3289	3.9	23
23	Quantitative Assessment of Controllability during the Design of a Ternary System with Two Recycle Streams. <i>Industrial & Engineering Chemistry Research</i> , 1996 , 35, 3470-3479	3.9	22
22	Tuning Proportional-Integral-Derivative Controllers for Integrator/Deadtime Processes. <i>Industrial & Engineering Chemistry Research</i> , 1996 , 35, 3480-3483	3.9	98
21	Design of Rapid-Transition Multiproduct Processes. <i>Industrial & Engineering Chemistry Research</i> , 1996 , 35, 2624-2631	3.9	2
20	Production Rate Changes in a Ternary Two-Recycle Process. <i>Industrial & Engineering Chemistry Research</i> , 1996 , 35, 2198-2203	3.9	7
19	Analysis of Control Structures for Reaction/Separation/Recycle Processes with Second-Order Reactions. <i>Industrial & Engineering Chemistry Research</i> , 1996 , 35, 758-771	3.9	25
18	Method for Assessing the Effect of Design Parameters on Controllability. <i>Industrial & Engineering Chemistry Research</i> , 1996 , 35, 3484-3497	3.9	9
17	Design and Control Degrees of Freedom. <i>Industrial & Engineering Chemistry Research</i> , 1996 , 35, 2204-2214	3.9	35
16	Design and Control of a Complex Process Involving Two Reaction Steps, Three Distillation Columns, and Two Recycle Streams. <i>Industrial & Engineering Chemistry Research</i> , 1995 , 34, 3885-3898	3.9	50

15	Capacity-Based Economic Approach for the Quantitative Assessment of Process Controllability during the Conceptual Design Stage. <i>Industrial & Engineering Chemistry Research</i> , 1995 , 34, 3907-3915	3.9	25
14	Evaluation of Plant-Wide Control Structures by Steady-State Disturbance Sensitivity Analysis. <i>Industrial & Engineering Chemistry Research</i> , 1995 , 34, 2393-2405	3.9	36
13	Plantwide Control Problem For a Process With Three Distillation Columns and Two Recycle Streams 1995 , 269-273		
12	EFFECT OF RECYCLE ON CHEMICAL REACTOR CONTROLLABILITY. <i>Chemical Engineering Communications</i> , 1994 , 128, 65-94	2.2	6
11	Snowball effects in reactor/separator processes with recycle. <i>Industrial & Engineering Chemistry Research</i> , 1994 , 33, 299-305	3.9	150
10	Tuning PI controllers for integrator/dead time processes. <i>Industrial & Engineering Chemistry Research</i> , 1992 , 31, 2625-2628	3.9	274
9	Use of Hammerstein models in identification of nonlinear systems. <i>AICHE Journal</i> , 1991 , 37, 255-268	3.6	351
8	Control of vapor recompression distillation columns. <i>Industrial & Engineering Chemistry Research</i> , 1990 , 29, 59-71	3.9	28
7	Nonlinear dynamic matrix control for high-purity distillation columns. <i>AICHE Journal</i> , 1988 , 34, 1287-1293	3.6	53
6	Sensitivity of distillation relative gain arrays to steady-state gains. <i>Industrial & Engineering Chemistry Research</i> , 1987 , 26, 2076-2078	3.9	21
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