

# Sigurd Skogestad

## 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.

263  
papers

9,593  
citations

48  
h-index

91  
g-index

282  
ext. papers

10,898  
ext. citations

3.2  
avg. IF

6.72  
L-index

#	Paper	IF	Citations
263	Bidirectional inventory control with optimal use of intermediate storage. <i>Computers and Chemical Engineering</i> , <b>2022</b> , 159, 107677	4	
262	Deoiling Hydrocyclones: An Experimental Study of Novel Control Schemes. <i>SPE Production and Operations</i> , <b>2022</b> , 1-14	0.6	
261	Real-Time optimization as a feedback control problem [A review]. <i>Computers and Chemical Engineering</i> , <b>2022</b> , 161, 107723	4	0
260	Application of Surrogate Models as an Alternative to Process Simulation for Implementation of the Self-Optimizing Control Procedure on Large-Scale Process PlantsA Natural Gas-to-Liquids (GTL) Case Study. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2021</b> , 60, 4919-4929	3.9	2
259	Supervisory control design for balancing supply and demand in a district heating system with thermal energy storage. <i>Computers and Chemical Engineering</i> , <b>2021</b> , 149, 107306	4	1
258	Optimal Resource Allocation using Distributed Feedback-based Real-time Optimization. <i>IFAC-PapersOnLine</i> , <b>2021</b> , 54, 706-711	0.7	3
257	Anti-slug control design: Combining first principle modeling with a data-driven approach to obtain an easy-to-fit model-based control. <i>Journal of Petroleum Science and Engineering</i> , <b>2021</b> , 207, 109096	4.4	1
256	Systematic design of active constraint switching using selectors. <i>Computers and Chemical Engineering</i> , <b>2020</b> , 143, 107106	4	5
255	Optimal operation and control of heat to power cycles: A new perspective from a systematic plantwide control approach. <i>Computers and Chemical Engineering</i> , <b>2020</b> , 141, 106995	4	2
254	Plantwide control of an oil production network. <i>Computers and Chemical Engineering</i> , <b>2020</b> , 136, 106765	4	4
253	Active constraint switching with the generalized split range control structure using the baton strategy. <i>IFAC-PapersOnLine</i> , <b>2020</b> , 53, 3922-3927	0.7	
252	Transformed Manipulated Variables for Linearization, Decoupling and Perfect Disturbance Rejection. <i>IFAC-PapersOnLine</i> , <b>2020</b> , 53, 4052-4057	0.7	0
251	Multi-input single-output control for extending the operating range: Generalized split range control using the baton strategy. <i>Journal of Process Control</i> , <b>2020</b> , 91, 1-11	3.9	5
250	Linear parameter-varying model for a refuellable zinc-air battery. <i>Royal Society Open Science</i> , <b>2020</b> , 7, 201107	3.3	3
249	Systematic Design of Active Constraint Switching Using Classical Advanced Control Structures. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2020</b> , 59, 2229-2241	3.9	9
248	Linear Combination of Gradients as Optimal Controlled Variables. <i>Computer Aided Chemical Engineering</i> , <b>2020</b> , 48, 1237-1242	0.6	2
247	A First-Principles Approach for Control-Oriented Modeling of De-oiling Hydrocyclones. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2020</b> , 59, 18937-18950	3.9	4

246	Control structure design of a solid oxide fuel cell and molten carbonate fuel cell integrated system: Bottom-up analysis. <i>Energy Conversion and Management</i> , <b>2020</b> , 220, 113021	10.6	4
245	Combined state and parameter estimation for not fully observable dynamic systems. <i>IFAC Journal of Systems and Control</i> , <b>2020</b> , 13, 100103	0.9	
244	Optimal Operation and Control of a Thermal Energy Storage System: Classical Advanced Control versus Model Predictive Control. <i>Computer Aided Chemical Engineering</i> , <b>2020</b> , 48, 1507-1512	0.6	1
243	Optimal Operation and Control of Heat-to-Power Cycles: a New Perspective using a Systematic Plantwide Control Approach. <i>Computer Aided Chemical Engineering</i> , <b>2019</b> , 1429-1434	0.6	2
242	The use of first principles model for evaluation of adaptive soft sensor for multicomponent distillation unit. <i>Chemical Engineering Research and Design</i> , <b>2019</b> , 151, 70-78	5.5	3
241	A Dynamic Extremum Seeking Scheme Applied to Gas Lift Optimization. <i>IFAC-PapersOnLine</i> , <b>2019</b> , 52, 802-807	0.7	2
240	Online Process Optimization with Active Constraint Set Changes using Simple Control Structures. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2019</b> , 58, 13555-13567	3.9	8
239	On combining self-optimizing control and extremum-seeking control [Applied to an ammonia reactor case study. <i>Journal of Process Control</i> , <b>2019</b> , 78, 78-87	3.9	9
238	A Primal decomposition algorithm for distributed multistage scenario model predictive control. <i>Journal of Process Control</i> , <b>2019</b> , 81, 162-171	3.9	6
237	Optimal operation of oil and gas production using simple feedback control structures. <i>Control Engineering Practice</i> , <b>2019</b> , 91, 104107	3.9	8
236	Systematic Design of Split Range Controllers. <i>IFAC-PapersOnLine</i> , <b>2019</b> , 52, 898-903	0.7	6
235	A simple modeling approach to control emulsion layers in gravity separators. <i>Computer Aided Chemical Engineering</i> , <b>2019</b> , 46, 1159-1164	0.6	0
234	Control structure design for a CO <sub>2</sub> -refrigeration system with heat recovery. <i>Computer Aided Chemical Engineering</i> , <b>2019</b> , 46, 1243-1248	0.6	
233	Multiple-Input Single-Output Control for Extending the Steady-State Operating Range [Use of Controllers with Different Setpoints. <i>Processes</i> , <b>2019</b> , 7, 941	2.9	7
232	A new termination criterion for sampling for surrogate model generation using partial least squares regression. <i>Computers and Chemical Engineering</i> , <b>2019</b> , 121, 75-85	4	7
231	Feedback Real-Time Optimization Strategy Using a Novel Steady-state Gradient Estimate and Transient Measurements. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2019</b> , 58, 207-216	3.9	10
230	A Control- and Estimation-Oriented Gravity Separator Model for Oil and Gas Applications Based upon First-Principles. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2018</b> , 57, 7201-7217	3.9	5
229	Integrating operations and control: A perspective and roadmap for future research. <i>Computers and Chemical Engineering</i> , <b>2018</b> , 115, 179-184	4	33

228	Dual SIMC-PI Controller Design for Cascade Implement of Input Resetting Control with Application. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2018</b> , 57, 6947-6955	3.9	4
227	Modeling and Hydraulic Characterization of a Filter-Press-Type Electrochemical Reactor by Using Residence Time Distribution Analysis and Hydraulic Indices. <i>International Journal of Chemical Reactor Engineering</i> , <b>2018</b> , 16,	1.2	3
226	Steady-state real-time optimization using transient measurements. <i>Computers and Chemical Engineering</i> , <b>2018</b> , 115, 34-45	4	31
225	Control of the Steady-State Gradient of an Ammonia Reactor using Transient Measurements. <i>Computer Aided Chemical Engineering</i> , <b>2018</b> , 1111-1116	0.6	2
224	Dynamic self-optimizing control for unconstrained batch processes. <i>Computers and Chemical Engineering</i> , <b>2018</b> , 117, 451-468	4	6
223	Surrogate model generation using self-optimizing variables. <i>Computers and Chemical Engineering</i> , <b>2018</b> , 119, 143-151	4	7
222	Improving Scenario Decomposition for Multistage MPC Using a Sensitivity-Based Path-Following Algorithm <b>2018</b> , 2, 581-586		10
221	Control structure comparison for three-product Petlyuk column. <i>Chinese Journal of Chemical Engineering</i> , <b>2018</b> , 26, 1621-1630	3.2	10
220	Improved PI control for a surge tank satisfying level constraints. <i>IFAC-PapersOnLine</i> , <b>2018</b> , 51, 835-840	0.7	3
219	Gas-lift Optimization by Controlling Marginal Gas-Oil Ratio using Transient Measurements ? ?The authors gratefully acknowledge the financial support from SFI SUBPRO, which is financed by the Research Council of Norway major industry partners and NTNU.. <i>IFAC-PapersOnLine</i> , <b>2018</b> , 51, 19-24	0.7	5
218	Slug handling with a virtual harp based on nonlinear predictive control for a gravity separator ? ?This work was supported by the Norwegian Research Council under the project SUBPRO (Subsea production and processing). <i>IFAC-PapersOnLine</i> , <b>2018</b> , 51, 120-125	0.7	4
217	Simple method for parameter identification of a nonlinear Greitzer compressor model. <i>IFAC-PapersOnLine</i> , <b>2018</b> , 51, 198-203	0.7	3
216	A Distributed Algorithm for Scenario-based Model Predictive Control using Primal Decomposition. <i>IFAC-PapersOnLine</i> , <b>2018</b> , 51, 351-356	0.7	8
215	Optimal Operation with Changing Active Constraint Regions using Classical Advanced Control. <i>IFAC-PapersOnLine</i> , <b>2018</b> , 51, 440-445	0.7	9
214	Self-Optimizing Control in Chemical Recycle Processes. <i>IFAC-PapersOnLine</i> , <b>2018</b> , 51, 536-541	0.7	6
213	Data-driven Scenario Selection for Multistage Robust Model Predictive Control. <i>IFAC-PapersOnLine</i> , <b>2018</b> , 51, 462-468	0.7	5
212	Optimization of fixed-order controllers using exact gradients. <i>Journal of Process Control</i> , <b>2018</b> , 71, 130-138	3.9	8
211	Optimal PI and PID control of first-order plus delay processes and evaluation of the original and improved SIMC rules. <i>Journal of Process Control</i> , <b>2018</b> , 70, 36-46	3.9	56

210	Changing between Active Constraint Regions for Optimal Operation: Classical Advanced Control versus Model Predictive Control. <i>Computer Aided Chemical Engineering</i> , <b>2018</b> , 1015-1020	0.6	5
209	Virtual inflow estimation with simplified tuning using cascaded and Kalman-like least squares observers. <i>Computer Aided Chemical Engineering</i> , <b>2018</b> , 43, 1153-1158	0.6	
208	Anti-slug control based on a virtual flow measurement. <i>Flow Measurement and Instrumentation</i> , <b>2017</b> , 53, 299-307	2.2	10
207	Nonlinear control solutions to prevent slugging flow in offshore oil production. <i>Journal of Process Control</i> , <b>2017</b> , 54, 138-151	3.9	4
206	A systematic approach for airflow velocity control design in road tunnels. <i>Control Engineering Practice</i> , <b>2017</b> , 69, 61-72	3.9	4
205	Control structure design of a solid oxide fuel cell and a molten carbonate fuel cell integrated system: Top-down analysis. <i>Energy Conversion and Management</i> , <b>2017</b> , 152, 88-98	10.6	3
204	Virtual inflow monitoring for a three phase gravity separator <b>2017</b> ,		5
203	Gas Lift Optimization under Uncertainty. <i>Computer Aided Chemical Engineering</i> , <b>2017</b> , 40, 1753-1758	0.6	7
202	Economic NMPC for heat-integrated chemical reactors <b>2017</b> ,		2
201	A simple dynamic gravity separator model for separation efficiency evaluation incorporating level and pressure control <b>2017</b> ,		9
200	Simultaneous design of proportionalIntegralDerivative controller and measurement filter by optimisation. <i>IET Control Theory and Applications</i> , <b>2017</b> , 11, 341-348	2.5	10
199	Optimal operation and stabilising control of the concentric heat-integrated distillation column (HIDiC). <i>Computers and Chemical Engineering</i> , <b>2017</b> , 96, 196-211	4	18
198	Global Self-Optimizing Control for Uncertain Constrained Process Systems. <i>IFAC-PapersOnLine</i> , <b>2017</b> , 50, 4672-4677	0.7	5
197	Control-oriented modelling of gas-liquid cylindrical cyclones <b>2017</b> ,		5
196	Comparison of Model-Based Control Solutions for Severe Riser-Induced Slugs. <i>Energies</i> , <b>2017</b> , 10, 2014	3.1	4
195	Model Predictive Control of Reactive Dividing Wall Column for the Selective Hydrogenation and Separation of a C3 Stream in an Ethylene Plant. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2016</b> , 55, 9738-9748	3.9	26
194	Robust control of a two-state Greitzer compressor model by state-feedback linearization <b>2016</b> ,		2
193	Optimal operation of energy storage in buildings: Use of the hot water system. <i>Journal of Energy Storage</i> , <b>2016</b> , 5, 102-112	7.8	5

192	Inclusion of thermodynamic equations for efficient steadystate process optimization. <i>Computer Aided Chemical Engineering</i> , <b>2016</b> , 38, 613-618	0.6	
191	Design and control of azeotropic dividing wall column for separating furfural-water mixture. <i>Computer Aided Chemical Engineering</i> , <b>2016</b> , 38, 409-414	0.6	6
190	Real-Time Optimization under Uncertainty Applied to a Gas Lifted Well Network. <i>Processes</i> , <b>2016</b> , 4, 52	2.9	30
189	Dividing-Wall Column for Fractionation of Natural Gas Liquids in Floating Liquefied Natural Gas Plants. <i>Chemical Engineering and Technology</i> , <b>2016</b> , 39, 2348-2354	2	9
188	Optimal Operation and Stabilising Control of the Concentric Heat-Integrated Distillation Column. <i>IFAC-PapersOnLine</i> , <b>2016</b> , 49, 747-752	0.7	1
187	Comparative Study of Multicomponent Distillation Static Estimators Based on Industrial and Rigorous Model Datasets. <i>IFAC-PapersOnLine</i> , <b>2016</b> , 49, 1187-1192	0.7	3
186	Control structure selection for four-product Kaibel column. <i>Computers and Chemical Engineering</i> , <b>2016</b> , 93, 372-381	4	27
185	Comparison of stabilizing control structures for dividing wall columns. <i>IFAC-PapersOnLine</i> , <b>2016</b> , 49, 729-734	0.7	8
184	Anti-slug control solutions based on identified model. <i>Journal of Process Control</i> , <b>2015</b> , 30, 58-68	3.9	8
183	Simple Rules for Economic Plantwide Control. <i>Computer Aided Chemical Engineering</i> , <b>2015</b> , 37, 101-108	0.6	13
182	A sensory-motor control model of animal flight explains why bats fly differently in light versus dark. <i>PLoS Biology</i> , <b>2015</b> , 13, e1002046	9.7	15
181	Dividing wall columns for heterogeneous azeotropic distillation. <i>Chemical Engineering Research and Design</i> , <b>2015</b> , 99, 111-119	5.5	58
180	Model predictive control for the self-optimized operation in wastewater treatment plants: Analysis of dynamic issues. <i>Computers and Chemical Engineering</i> , <b>2015</b> , 82, 259-272	4	23
179	Neighbouring-Extremal Control for Steady-State Optimization Using Noisy Measurements. <i>IFAC-PapersOnLine</i> , <b>2015</b> , 48, 698-703	0.7	1
178	Control structure design and dynamic modeling for a solid oxide fuel cell with direct internal reforming of methane. <i>Chemical Engineering Research and Design</i> , <b>2015</b> , 98, 202-211	5.5	23
177	Optimization of Oil Field Production Under Gas Coning Conditions Using the Optimal Closed-Loop Estimator. <i>IFAC-PapersOnLine</i> , <b>2015</b> , 48, 39-44	0.7	1
176	Hydraulic design, technical challenges and comparison of alternative configurations of a four-product dividing wall column. <i>Chemical Engineering and Processing: Process Intensification</i> , <b>2014</b> , 84, 71-81	3.7	37
175	Necessary and sufficient conditions for robust reliable control in the presence of model uncertainties and system component failures. <i>Computers and Chemical Engineering</i> , <b>2014</b> , 70, 67-77	4	2

174	Profitable and dynamically feasible operating point selection for constrained processes. <i>Journal of Process Control</i> , <b>2014</b> , 24, 531-541	3.9	8
173	A Self-Optimizing Strategy for Optimal Operation of a Preheating Train for a Crude Oil Unit. <i>Computer Aided Chemical Engineering</i> , <b>2014</b> , 33, 607-612	0.6	4
172	Optimal Operation and Control of Divided Wall Column. <i>Computer Aided Chemical Engineering</i> , <b>2014</b> , 33, 673-678	0.6	3
171	Control of Bulk Propylene Polymerizations Operated with Multiple Catalysts through Controller Reconfiguration. <i>Macromolecular Reaction Engineering</i> , <b>2014</b> , 8, 201-216	1.5	3
170	Optimal operation of heat exchanger networks with stream split: Only temperature measurements are required. <i>Computers and Chemical Engineering</i> , <b>2014</b> , 70, 35-49	4	21
169	Economic Plantwide Control of the Cumene Process. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2013</b> , 52, 830-846	3.9	17
168	Quantitative methods for regulatory control layer selection. <i>Journal of Process Control</i> , <b>2013</b> , 23, 58-69	3.9	3
167	Control structure selection for three-product Petlyuk (dividing-wall) column. <i>Chemical Engineering and Processing: Process Intensification</i> , <b>2013</b> , 64, 57-67	3.7	36
166	Control structure selection for four-product Petlyuk column. <i>Chemical Engineering and Processing: Process Intensification</i> , <b>2013</b> , 67, 49-59	3.7	29
165	Manipulation of vapour split in Kaibel distillation arrangements. <i>Chemical Engineering and Processing: Process Intensification</i> , <b>2013</b> , 72, 10-23	3.7	9
164	A New Class of Model-Based Static Estimators. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2013</b> , 52, 12451-12462	3.9	6
163	Process Systems Engineering, 5. Process Dynamics, Control, Monitoring, and Identification <b>2013</b> ,		1
162	Active constraint regions for a natural gas liquefaction process. <i>Journal of Natural Gas Science and Engineering</i> , <b>2013</b> , 10, 8-13	4.6	20
161	Sensitivity Analysis of Optimal Operation of an Activated Sludge Process Model for Economic Controlled Variable Selection. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2013</b> , 52, 9908-9921	3.9	14
160	Economic Plantwide Control Over a Wide Throughput Range: A Systematic Design Procedure. <i>AICHE Journal</i> , <b>2013</b> , 59, 2407-2426	3.6	14
159	Economic plantwide control: Automated controlled variable selection for a reactor-separator-recycle process. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2013</b> , 46, 87-92		1
158	Operation of energy efficient divided wall column. <i>Computer Aided Chemical Engineering</i> , <b>2013</b> , 235-240	0.6	1
157	Optimal controlled variables for polynomial systems. <i>Journal of Process Control</i> , <b>2012</b> , 22, 167-179	3.9	14



156	Self-optimizing control with active set changes. <i>Journal of Process Control</i> , <b>2012</b> , 22, 873-883	3.9	22
155	A Natural Gas to Liquids Process Model for Optimal Operation. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2012</b> , 51, 425-433	3.9	42
154	Selection of Controlled Variables for a Natural Gas to Liquids Process. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2012</b> , 51, 10179-10190	3.9	11
153	Active Constraint Regions for Optimal Operation of Distillation Columns. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2012</b> , 51, 2963-2973	3.9	4
152	Convex formulations for optimal selection of controlled variables and measurements using Mixed Integer Quadratic Programming. <i>Journal of Process Control</i> , <b>2012</b> , 22, 995-1007	3.9	28
151	Steady State and Dynamic Operation of Four-Product Dividing-Wall (Kaibel) Columns: Experimental Verification. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2012</b> , 51, 15696-15709	3.9	33
150	Active Vapor Split Control for Dividing-Wall Columns. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2012</b> , 51, 15176-15183	3.9	70
149	Self-optimizing control for hydrogen optimization in a diesel hydrodesulfurization plant. <i>Computer Aided Chemical Engineering</i> , <b>2012</b> , 31, 1647-1651	0.6	1
148	An aggregation model reduction method for one-dimensional distributed systems. <i>AIChE Journal</i> , <b>2012</b> , 58, 1524-1537	3.6	3
147	Economically efficient operation of CO <sub>2</sub> capturing process. Part II. Design of control layer. <i>Chemical Engineering and Processing: Process Intensification</i> , <b>2012</b> , 52, 112-124	3.7	64
146	Identification and analysis of possible splits for azeotropic mixtures. 2. Method for simple columns. <i>Chemical Engineering Science</i> , <b>2012</b> , 69, 159-169	4.4	7
145	Estimation of Primary Variables from Combination of Secondary Measurements. <i>Computer Aided Chemical Engineering</i> , <b>2012</b> , 31, 925-929	0.6	1
144	Dynamic behaviour and control of extended Petlyuk distillation arrangements. <i>Computer Aided Chemical Engineering</i> , <b>2012</b> , 30, 777-781	0.6	
143	Economically Optimal Controlled Variables for Parallel Units [Application to Chemical Reactors]. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2012</b> , 45, 768-773		1
142	Controllability analysis of severe slugging in well-pipeline-riser systems. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2012</b> , 45, 101-108		5
141	Economic Plantwide Control <b>2012</b> , 229-251		8
140	Active Constraint Regions for Optimal Operation of Chemical Processes. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2011</b> , 50, 11226-11236	3.9	16
139	Energy efficient distillation. <i>Journal of Natural Gas Science and Engineering</i> , <b>2011</b> , 3, 571-580	4.6	66



138	Plantwide Control of a Cumene Manufacture Process. <i>Computer Aided Chemical Engineering</i> , <b>2011</b> , 29, 522-526	0.6	5
137	NCO tracking and self-optimizing control in the context of real-time optimization. <i>Journal of Process Control</i> , <b>2011</b> , 21, 1407-1416	3.9	48
136	Optimal operation of Kaibel distillation columns. <i>Chemical Engineering Research and Design</i> , <b>2011</b> , 89, 1382-1391	5.5	41
135	Economically efficient operation of CO <sub>2</sub> capturing process part I: Self-optimizing procedure for selecting the best controlled variables. <i>Chemical Engineering and Processing: Process Intensification</i> , <b>2011</b> , 50, 247-253	3.7	76
134	Identification and analysis of possible splits for azeotropic mixtures. Method for column sections. <i>Chemical Engineering Science</i> , <b>2011</b> , 66, 2512-2522	4.4	12
133	Plantwide Control for Economic Optimum Operation of a Recycle Process with Side Reaction. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2011</b> , 50, 8571-8584	3.9	19
132	Application of Balanced Truncation to Nonlinear Systems. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2011</b> , 50, 10093-10101	3.9	4
131	An industrial and academic perspective on plantwide control. <i>Annual Reviews in Control</i> , <b>2011</b> , 35, 99-110	10.3	61
130	Self-optimizing invariants in dynamic optimization <b>2011</b> ,		3
129	Controlled Variables from Optimal Operation Data. <i>Computer Aided Chemical Engineering</i> , <b>2011</b> , 29, 753-757	3.57	0
128	A simple approach for on-line PI controller tuning using closed-loop setpoint responses. <i>Computer Aided Chemical Engineering</i> , <b>2010</b> , 28, 619-624	0.6	1
127	The setpoint overshoot method: A simple and fast closed-loop approach for PID tuning. <i>Journal of Process Control</i> , <b>2010</b> , 20, 1220-1234	3.9	88
126	Reduced distillation models via stage aggregation. <i>Chemical Engineering Science</i> , <b>2010</b> , 65, 3439-3456	4.4	9
125	Small-scale experiments on stabilizing riser slug flow. <i>Chemical Engineering Research and Design</i> , <b>2010</b> , 88, 213-228	5.5	15
124	Optimal measurement combinations as controlled variables. <i>Journal of Process Control</i> , <b>2009</b> , 19, 138-148	3.9	107
123	Control of the mass and energy dynamics of polybenzimidazole-membrane fuel cells. <i>Journal of Process Control</i> , <b>2009</b> , 19, 415-432	3.9	20
122	Computational performance of aggregated distillation models. <i>Computers and Chemical Engineering</i> , <b>2009</b> , 33, 296-308	4	14
121	Consistent Inventory Control. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2009</b> , 48, 10892-10902	3.9	30

120	Experimental and Theoretical Studies on the Start-Up Operation of a Multivessel Batch Distillation Column. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2009</b> , 48, 5336-5343	3.9	5
119	Single-cycle mixed-fluid LNG process Part I: Optimal design <b>2009</b> , 211-218		25
118	Steady-State Operational Degrees of Freedom with Application to Refrigeration Cycles. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2009</b> , 48, 6652-6659	3.9	22
117	Dynamic Degrees of Freedom for Tighter Bottleneck Control. <i>Computer Aided Chemical Engineering</i> , <b>2009</b> , 27, 1275-1280	0.6	1
116	Medium-Scale Experiments on Stabilizing Riser-Slug Flow. <i>SPE Projects, Facilities and Construction</i> , <b>2009</b> , 4, 156-170		10
115	A new approach to explicit MPC using self-optimizing control <b>2008</b> ,		4
114	Selection of Controlled Variables: Maximum Gain Rule and Combination of Measurements. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2008</b> , 47, 9465-9471	3.9	22
113	Problems with Specifying $\lambda_{\min}$ in the Design of Processes with Heat Exchangers. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2008</b> , 47, 3071-3075	3.9	26
112	Optimal output selection for control of batch processes <b>2008</b> ,		5
111	Control structure design for optimal operation of heat exchanger networks. <i>AIChE Journal</i> , <b>2008</b> , 54, 150-162	3.6	30
110	Dynamic considerations in the synthesis of self-optimizing control structures. <i>AIChE Journal</i> , <b>2008</b> , 54, 1830-1841	3.6	24
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