

# Luis Puigjaner

## List of Publications by Citations

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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.

268  
papers

5,277  
citations

40  
h-index

62  
g-index

291  
ext. papers

5,780  
ext. citations

3.2  
avg, IF

5.55  
L-index

#	Paper	IF	Citations
268	Targeting and design methodology for reduction of fuel, power and CO2 on total sites. <i>Applied Thermal Engineering</i> , <b>1997</b> , 17, 993-1003	5.8	309
267	Multiobjective supply chain design under uncertainty. <i>Chemical Engineering Science</i> , <b>2005</b> , 60, 1535-1553	4.4	225
266	Kinetics of Biomass Pyrolysis: a Reformulated Three-Parallel-Reactions Model. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2003</b> , 42, 434-441	3.9	220
265	Fluidized-bed co-gasification of residual biomass/poor coal blends for fuel gas production. <i>Fuel</i> , <b>2000</b> , 79, 1317-1326	7.1	145
264	Incorporating environmental impacts and regulations in a holistic supply chains modeling: An LCA approach. <i>Computers and Chemical Engineering</i> , <b>2009</b> , 33, 1747-1759	4	143
263	Pyrolysis of blends of biomass with poor coals. <i>Fuel</i> , <b>1996</b> , 75, 412-418	7.1	110
262	Use of neural networks and expert systems to control a gas/solid sorption chilling machine. <i>International Journal of Refrigeration</i> , <b>1999</b> , 22, 59-66	3.8	87
261	Risk Management in the Scheduling of Batch Plants under Uncertain Market Demand. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2004</b> , 43, 741-750	3.9	81
260	Performance assessment of a novel fault diagnosis system based on support vector machines. <i>Computers and Chemical Engineering</i> , <b>2009</b> , 33, 244-255	4	78
259	Simultaneous optimization of process operations and financial decisions to enhance the integrated planning/scheduling of chemical supply chains. <i>Computers and Chemical Engineering</i> , <b>2006</b> , 30, 421-436	4	78
258	MIP-based decomposition strategies for large-scale scheduling problems in multiproduct multistage batch plants: A benchmark scheduling problem of the pharmaceutical industry. <i>European Journal of Operational Research</i> , <b>2010</b> , 207, 644-655	5.6	76
257	Control and optimization of the divided wall column. <i>Chemical Engineering and Processing: Process Intensification</i> , <b>1999</b> , 38, 549-562	3.7	75
256	Conceptual model and evaluation of generated power and emissions in an IGCC plant. <i>Energy</i> , <b>2009</b> , 34, 1721-1732	7.9	70
255	Design of regional and sustainable bio-based networks for electricity generation using a multi-objective MILP approach. <i>Energy</i> , <b>2012</b> , 44, 79-95	7.9	69
254	Incorporating heat integration in batch process scheduling. <i>Applied Thermal Engineering</i> , <b>2003</b> , 23, 1743-1762	3.862	67
253	Simultaneous production and logistics operations planning in semicontinuous food industries. <i>Omega</i> , <b>2012</b> , 40, 634-650	7.2	66
252	A holistic framework for short-term supply chain management integrating production and corporate financial planning. <i>International Journal of Production Economics</i> , <b>2007</b> , 106, 288-306	9.3	66

251	Controllability of Different Multicomponent Distillation Arrangements. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2003</b> , 42, 1773-1782	3.9	63
250	Optimisation of water use in batch process industries. <i>Computers and Chemical Engineering</i> , <b>1999</b> , 23, 1427-1437	4	63
249	Removal of tar by secondary air in fluidised bed gasification of residual biomass and coal. <i>Fuel</i> , <b>1999</b> , 78, 1703-1709	7.1	60
248	Capturing dynamics in integrated supply chain management. <i>Computers and Chemical Engineering</i> , <b>2008</b> , 32, 2582-2605	4	58
247	Kinetic Study of the Pyrolysis of Waste Wood. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>1998</b> , 37, 4290-4295	3.9	58
246	Optimal Production Scheduling and Lot-Sizing in Dairy Plants: The Yogurt Production Line. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2010</b> , 49, 701-718	3.9	56
245	Production Planning and Scheduling of Parallel Continuous Processes with Product Families. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2011</b> , 50, 1369-1378	3.9	55
244	Further Applications of a Revisited Summative Model for Kinetics of Biomass Pyrolysis. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2004</b> , 43, 901-906	3.9	54
243	Thermogravimetric study of the pyrolysis of waste wood. <i>Thermochimica Acta</i> , <b>1998</b> , 320, 161-167	2.9	52
242	Magnetically stabilized fluidization: modelling and application to mixtures. <i>Powder Technology</i> , <b>1985</b> , 44, 57-62	5.2	51
241	Flexible design-planning of supply chain networks. <i>AIChE Journal</i> , <b>2009</b> , 55, 1736-1753	3.6	48
240	Batch production and preventive maintenance scheduling under equipment failure uncertainty. <i>Computers and Chemical Engineering</i> , <b>1997</b> , 21, 1157-1168	4	48
239	On-line fault diagnosis system support for reactive scheduling in multipurpose batch chemical plants. <i>Computers and Chemical Engineering</i> , <b>2001</b> , 25, 829-837	4	48
238	A Simulation-Based Optimization Framework for Parameter Optimization of Supply-Chain Networks. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2006</b> , 45, 3133-3148	3.9	45
237	Global strategy for energy and waste analysis in scheduling and planning of multiproduct batch chemical processes. <i>Computers and Chemical Engineering</i> , <b>1996</b> , 20, 853-868	4	45
236	Towards an integrated framework for supply chain management in the batch chemical process industry. <i>Computers and Chemical Engineering</i> , <b>2008</b> , 32, 650-670	4	44
235	Enhancing Corporate Value in the Optimal Design of Chemical Supply Chains. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2007</b> , 46, 7739-7757	3.9	42
234	Predicting the minimum fluidization velocity of polydisperse mixtures of scrap-wood particles. <i>Powder Technology</i> , <b>2000</b> , 111, 245-251	5.2	42

233	HIGH TEMPERATURE INCIPIENT FLUIDIZATION IN MONO AND POLYDISPERSE SYSTEMS. <i>Chemical Engineering Communications</i> , <b>1986</b> , 41, 121-132	2.2	42
232	An Efficient Mixed-Integer Linear Programming Scheduling Framework for Addressing Sequence-Dependent Setup Issues in Batch Plants. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2009</b> , 48, 6346-6357	3.9	41
231	Combinatorial framework for effective scheduling of multipurpose batch plants. <i>AIChE Journal</i> , <b>2002</b> , 48, 2557-2570	3.6	41
230	Study of the divided wall column controllability: influence of design and operation. <i>Computers and Chemical Engineering</i> , <b>2000</b> , 24, 901-907	4	41
229	Simultaneous fault diagnosis in chemical plants using a multilabel approach. <i>AIChE Journal</i> , <b>2007</b> , 53, 2871-2884	3.6	40
228	Addressing Robustness in Scheduling Batch Processes with Uncertain Operation Times. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2005</b> , 44, 1524-1534	3.9	40
227	Analysis of different control possibilities for the divided wall column: feedback diagonal and dynamic matrix control. <i>Computers and Chemical Engineering</i> , <b>2001</b> , 25, 859-866	4	40
226	Efficient mathematical frameworks for detailed production scheduling in food processing industries. <i>Computers and Chemical Engineering</i> , <b>2012</b> , 42, 206-216	4	38
225	Material Transfer Operations in Batch Scheduling. A Critical Modeling Issue. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2008</b> , 47, 7721-7732	3.9	38
224	Towards an ontological infrastructure for chemical batch process management. <i>Computers and Chemical Engineering</i> , <b>2010</b> , 34, 668-682	4	37
223	Rationalizing the water use in the batch process industry. <i>Computers and Chemical Engineering</i> , <b>1997</b> , 21, S971-S976	4	37
222	Real-Time Evolution for On-line Optimization of Continuous Processes. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2002</b> , 41, 1815-1825	3.9	37
221	Considering environmental assessment in an ontological framework for enterprise sustainability. <i>Journal of Cleaner Production</i> , <b>2013</b> , 47, 149-164	10.3	36
220	Kinetic behaviour of iron oxide sorbent in hot gas desulfurization. <i>Fuel</i> , <b>2005</b> , 84, 1105-1109	7.1	36
219	Ontological framework for enterprise-wide integrated decision-making at operational level. <i>Computers and Chemical Engineering</i> , <b>2012</b> , 42, 217-234	4	35
218	Costs for Rescheduling Actions: A Critical Issue for Reducing the Gap between Scheduling Theory and Practice. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2008</b> , 47, 8785-8795	3.9	35
217	Slow Pyrolysis of Woody Residues and an Herbaceous Biomass Crop: A Kinetic Study. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2005</b> , 44, 6650-6660	3.9	35
216	Life Cycle Assessment Coupled with Process Simulation under Uncertainty for Reduced Environmental Impact: Application to Phosphoric Acid Production. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2008</b> , 47, 8286-8300	3.9	34

215	An agent-based approach for supply chain retrofitting under uncertainty. <i>Computers and Chemical Engineering</i> , <b>2007</b> , 31, 722-735	4	34
214	Addressing the Design of Chemical Supply Chains under Demand Uncertainty. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2006</b> , 45, 7566-7581	3.9	33
213	Planning, scheduling and budgeting value-added chains. <i>Computers and Chemical Engineering</i> , <b>2004</b> , 28, 45-61	4	33
212	Resource-constrained production planning in semicontinuous food industries. <i>Computers and Chemical Engineering</i> , <b>2011</b> , 35, 2929-2944	4	32
211	Inhibition by product in the liquid-phase hydration of isobutene to tert-butyl alcohol: kinetics and equilibrium studies. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>1988</b> , 27, 2224-2231	3.9	32
210	Decision support framework for coordinated production and transport scheduling in SCM. <i>Computers and Chemical Engineering</i> , <b>2008</b> , 32, 1206-1224	4	31
209	Scheduling and control decision-making under an integrated information environment. <i>Computers and Chemical Engineering</i> , <b>2011</b> , 35, 774-786	4	30
208	Optimization of pre-treatment selection for the use of woody waste in co-combustion plants. <i>Chemical Engineering Research and Design</i> , <b>2014</b> , 92, 1539-1562	5.5	29
207	Integrating Budgeting Models into Scheduling and Planning Models for the Chemical Batch Industry. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2003</b> , 42, 6125-6134	3.9	29
206	Neural network based framework for fault diagnosis in batch chemical plants. <i>Computers and Chemical Engineering</i> , <b>2000</b> , 24, 777-784	4	29
205	Method to incorporate energy integration considerations in multiproduct batch processes. <i>Computers and Chemical Engineering</i> , <b>1994</b> , 18, 1043-1055	4	29
204	Fault diagnosis support system for complex chemical plants. <i>Computers and Chemical Engineering</i> , <b>2001</b> , 25, 151-160	4	27
203	Rationalizing the water use in the batch process industry. <i>Computers and Chemical Engineering</i> , <b>1997</b> , 21, S971-S976	4	27
202	Multiobjective optimization of multiproduct batch plants scheduling under environmental and economic concerns. <i>AIChE Journal</i> , <b>2011</b> , 57, 2766-2782	3.6	26
201	Production Scheduling in Multiproduct Multistage Semicontinuous Food Processes. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2011</b> , 50, 6316-6324	3.9	26
200	Integration of Principal Component Analysis and Fuzzy Logic Systems for Comprehensive Process Fault Detection and Diagnosis. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2006</b> , 45, 1739-1750	3.9	26
199	Design optimisation of constructed wetlands for wastewater treatment. <i>Resources, Conservation and Recycling</i> , <b>2003</b> , 37, 193-204	11.9	26
198	Modelling and simulation of a tyre gasification plant for synthesis gas production. <i>Computer Aided Chemical Engineering</i> , <b>2006</b> , 21, 1771-1776	0.6	25

197	Management of Pricing Policies and Financial Risk as a Key Element for Short Term Scheduling Optimization. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2005</b> , 44, 557-575	3.9	25
196	Instrumentation design based on optimal Kalman filtering. <i>Journal of Process Control</i> , <b>2005</b> , 15, 629-638	3.9	25
195	A combined scheduling/reactive scheduling strategy to minimize the effect of process operations uncertainty in batch plants. <i>Computers and Chemical Engineering</i> , <b>1996</b> , 20, S1263-S1268	4	25
194	Integration of enterprise levels based on an ontological framework. <i>Chemical Engineering Research and Design</i> , <b>2013</b> , 91, 1542-1556	5.5	24
193	Proactive approach to address the uncertainty in short-term scheduling. <i>Computers and Chemical Engineering</i> , <b>2008</b> , 32, 1689-1706	4	24
192	Parameter estimation with genetic algorithm in control of fed-batch reactors. <i>Chemical Engineering and Processing: Process Intensification</i> , <b>2002</b> , 41, 303-309	3.7	23
191	Optimal budget and cash flows during retrofitting periods in batch chemical process industries. <i>International Journal of Production Economics</i> , <b>2005</b> , 95, 359-372	9.3	23
190	Estimating copolymer compositions from on-line headspace analysis in emulsion polymerization. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>1987</b> , 26, 65-72	3.9	23
189	Scheduling intermediate storage multipurpose batch plants using the S-graph. <i>AIChE Journal</i> , <b>2004</b> , 50, 403-417	3.6	22
188	Batch and semibatch reactor performance for an exothermic reaction. <i>Chemical Engineering and Processing: Process Intensification</i> , <b>2000</b> , 39, 141-148	3.7	22
187	Prospective and perspective review in integrated supply chain modelling for the chemical process industry. <i>Current Opinion in Chemical Engineering</i> , <b>2012</b> , 1, 430-445	5.4	21
186	Combinatorial technique for short term scheduling of multipurpose batch plants based on schedule-graph representation. <i>Computers and Chemical Engineering</i> , <b>1998</b> , 22, S847-S850	4	21
185	Instrumentation Design and Upgrade for Principal Components Analysis Monitoring. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2004</b> , 43, 2150-2159	3.9	21
184	A software tool for helping in decision-making about water management in batch process industries. <i>Waste Management</i> , <b>2000</b> , 20, 645-649	8.6	21
183	Le lit fluidisé stabilisé magnétiquement: caractéristiques et possibilités d'application. <i>Powder Technology</i> , <b>1983</b> , 36, 33-38	5.2	20
182	Economic evaluation of bio-based supply chains with CO <sub>2</sub> capture and utilisation. <i>Computers and Chemical Engineering</i> , <b>2017</b> , 102, 213-225	4	19
181	Linking marketing and supply chain models for improved business strategic decision support. <i>Computers and Chemical Engineering</i> , <b>2010</b> , 34, 2107-2117	4	19
180	General approach and tool for the scheduling of complex production systems. <i>Computers and Chemical Engineering</i> , <b>1998</b> , 22, S395-S402	4	19

179	Towards a Carbon-Neutral Energy Sector: Opportunities and Challenges of Coordinated Bioenergy Supply Chains-A PSE Approach. <i>Energies</i> , <b>2015</b> , 8, 5613-5660	3.1	18
178	Estimation of Liquid-Liquid Equilibrium for a Quaternary System Using the GMDH Algorithm. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2009</b> , 48, 2129-2134	3.9	18
177	Optimal integration of third-parties in a coordinated supply chain management environment. <i>Computers and Chemical Engineering</i> , <b>2016</b> , 86, 48-61	4	17
176	Metaheuristic multiobjective optimisation approach for the scheduling of multiproduct batch chemical plants. <i>Journal of Cleaner Production</i> , <b>2008</b> , 16, 233-244	10.3	17
175	Optimal Offer Proposal Policy in an Integrated Supply Chain Management Environment. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2005</b> , 44, 7405-7419	3.9	17
174	Focusing in by-product recovery and waste minimization in batch production scheduling. <i>Computers and Chemical Engineering</i> , <b>1994</b> , 18, S271-S275	4	17
173	Integrated game-theory modelling for multi enterprise-wide coordination and collaboration under uncertain competitive environment. <i>Computers and Chemical Engineering</i> , <b>2017</b> , 98, 209-235	4	16
172	Supply chain planning and scheduling integration using Lagrangian decomposition in a knowledge management environment. <i>Computers and Chemical Engineering</i> , <b>2015</b> , 72, 52-67	4	16
171	Advanced simulation environment for clean power production in IGCC plants. <i>Computers and Chemical Engineering</i> , <b>2011</b> , 35, 1501-1520	4	16
170	Optimal Reactive Scheduling of Manufacturing Plants with Flexible Batch Recipes. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2007</b> , 46, 6273-6283	3.9	16
169	Dynamic Data Reconciliation Based on Wavelet Trend Analysis. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2005</b> , 44, 4323-4335	3.9	15
168	A New Framework for Batch Process Optimization Using the Flexible Recipe. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2003</b> , 42, 370-379	3.9	15
167	Identification of a pilot scale fluidised-bed coal gasification unit by using neural networks. <i>Applied Thermal Engineering</i> , <b>2000</b> , 20, 1561-1575	5.8	15
166	A comprehensive approach to production planning in multipurpose batch plants. <i>Computers and Chemical Engineering</i> , <b>1989</b> , 13, 1031-1047	4	15
165	Systematic approach for the design of sustainable supply chains under quality uncertainty. <i>Energy Conversion and Management</i> , <b>2017</b> , 149, 722-737	10.6	14
164	Addressing the scheduling of chemical supply chains under demand uncertainty. <i>AIChE Journal</i> , <b>2006</b> , 52, 3864-3881	3.6	14
163	Supply Chain Management through Dynamic Model Parameters Optimization. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2006</b> , 45, 1708-1721	3.9	14
162	Design and Retrofit of Reliable Sensor Networks. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2004</b> , 43, 8026-8036	3.9	14

161	Tracking the Dynamics of the Supply Chain for Enhanced Production Sustainability. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2009</b> , 48, 9556-9570	3.9	13
160	On-line process optimization: parameter tuning for the real time evolution (RTE) approach. <i>Computers and Chemical Engineering</i> , <b>2004</b> , 28, 661-672	4	12
159	Estimation of copolymer composition from online headspace analysis in batch emulsion polymerization. <i>Chemical Engineering Science</i> , <b>1986</b> , 41, 1039-1044	4.4	12
158	Scenario-based dynamic negotiation for the coordination of multi-enterprise supply chains under uncertainty. <i>Computers and Chemical Engineering</i> , <b>2016</b> , 91, 445-470	4	12
157	Process integration with combined heat and power (CHP). <i>Applied Thermal Engineering</i> , <b>1997</b> , 17, 1015-1034	3.4	11
156	Prospects for integrated management and control of total sites in the batch manufacturing industry. <i>Computers and Chemical Engineering</i> , <b>1998</b> , 22, 87-107	4	11
155	Enhancing sugar cane process performance through optimal production scheduling. <i>Chemical Engineering and Processing: Process Intensification</i> , <b>2007</b> , 46, 198-209	3.7	11
154	Using mathematical knowledge management to support integrated decision-making in the enterprise. <i>Computers and Chemical Engineering</i> , <b>2014</b> , 66, 139-150	4	10
153	On-line process fault detection and diagnosis in plants with recycle. <i>Computers and Chemical Engineering</i> , <b>1999</b> , 23, S219-S222	4	10
152	Environmental considerations in batch production scheduling. <i>Computers and Chemical Engineering</i> , <b>1995</b> , 19, 651-656	4	10
151	An efficient and simplified solution to the predesign problem of multiproduct plants. <i>Computers and Chemical Engineering</i> , <b>1989</b> , 13, 163-174	4	10
150	Managing risk through a flexible recipe framework. <i>AIChE Journal</i> , <b>2008</b> , 54, 728-740	3.6	9
149	Advanced enterprise resource management systems for the batch industry. The TicTacToe algorithm. <i>Computers and Chemical Engineering</i> , <b>2001</b> , 25, 517-538	4	9
148	Effects of equipment failure uncertainty in batch production scheduling. <i>Computers and Chemical Engineering</i> , <b>1995</b> , 19, 565-570	4	9
147	Sequencing intermediate products: A practical solution for multipurpose production scheduling. <i>Computers and Chemical Engineering</i> , <b>1996</b> , 20, S1137-S1142	4	9
146	An efficient uncertainty representation for the design of sustainable energy generation systems. <i>Chemical Engineering Research and Design</i> , <b>2018</b> , 131, 144-159	5.5	9
145	An Extended Formulation for the Flexible Short-Term Scheduling of Multiproduct Semicontinuous Plants. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2009</b> , 48, 2009-2019	3.9	8
144	Integrated on line production and financial scheduling with intelligent autonomous agent based information system. <i>Computers and Chemical Engineering</i> , <b>1998</b> , 22, S271-S277	4	8



143	Fluidization of Waste-Wood Particles with Mechanical Agitation of the Bed. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2001</b> , 40, 393-397	3.9	8
142	Economic optimization of the water reuse network in batch process industries. <i>Computers and Chemical Engineering</i> , <b>1999</b> , 23, S153-S156	4	8
141	On the solution of the retrofitting problem for multiproduct batch/simicontinuous chemical plants. <i>Computers and Chemical Engineering</i> , <b>1989</b> , 13, 483-490	4	8
140	Intraparticle mass transfer in the liquid-phase hydration of isobutene: effects of liquid viscosity and excess product. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>1990</b> , 29, 1485-1492	3.9	8
139	Process screening framework for the synthesis of process networks from a circular economy perspective. <i>Resources, Conservation and Recycling</i> , <b>2021</b> , 164, 105147	11.9	8
138	Empowering financial tradeoff with joint financial and supply chain planning models. <i>Mathematical and Computer Modelling</i> , <b>2007</b> , 46, 12-23		7
137	Batch distillation: simulation and experimental validation. <i>Chemical Engineering and Processing: Process Intensification</i> , <b>2004</b> , 43, 1239-1252	3.7	7
136	SCHEDULING OF CONTINUOUS PARALLEL LINES IN THE EVAPORATION SECTION OF SUGAR PLANTS. <i>Chemical Engineering Communications</i> , <b>2004</b> , 191, 1121-1146	2.2	7
135	Completion times in multipurpose batch plants with set-up, transfer and clean-up times. <i>Computers and Chemical Engineering</i> , <b>1996</b> , 20, S1143-S1148	4	7
134	Multiobjective evolutionary optimization of batch process scheduling under environmental and economic concerns. <i>AIChE Journal</i> , <b>2013</b> , 59, 429-444	3.6	6
133	Statistical and simulation tools for designing an optimal blanketing system of a multiple-tank facility. <i>Chemical Engineering Journal</i> , <b>2009</b> , 152, 122-132	14.7	6
132	Multi-Site Scheduling/Batching and Production Planning for Batch Process Industries. <i>Computer Aided Chemical Engineering</i> , <b>2009</b> , 27, 2109-2114	0.6	6
131	Waste analysis and minimization in batch and semibatch reactor operation through dynamic simulation and neural networks. <i>Computers and Chemical Engineering</i> , <b>1998</b> , 22, S977-S980	4	6
130	Decision-Making Strategy and Tool for Sensor Network Design and Retrofit. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2004</b> , 43, 1711-1722	3.9	6
129	Supply chain monitoring: a statistical approach. <i>Computer Aided Chemical Engineering</i> , <b>2005</b> , 20, 1375-1380	3.0	6
128	Handling the increasing complexity of detailed batch process simulation and optimisation. <i>Computers and Chemical Engineering</i> , <b>1999</b> , 23, S929-S943	4	6
127	Flexible Batch Process and Plant Design Using Mixed-Logic Dynamic Optimization: Single-Product Plants. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2014</b> , 53, 17182-17199	3.9	5
126	Operational, Tactical and Strategical Integration for Enterprise Decision-Making. <i>Computer Aided Chemical Engineering</i> , <b>2012</b> , 397-401	0.6	5

125	Enhanced modeling and integrated simulation of gasification and purification gas units targeted to clean power production. <i>Computer Aided Chemical Engineering</i> , <b>2008</b> , 793-798	0.6	5
124	Enhancing dynamic data reconciliation performance through time delays identification. <i>Chemical Engineering and Processing: Process Intensification</i> , <b>2007</b> , 46, 1251-1263	3.7	5
123	Simultaneous fault diagnosis in chemical plants using support Vector Machines. <i>Computer Aided Chemical Engineering</i> , <b>2007</b> , 24, 1253-1258	0.6	5
122	A rigorous approach to coordinate production and transport scheduling in a multi-site system. <i>Computer Aided Chemical Engineering</i> , <b>2006</b> , 21, 2171-2176	0.6	5
121	Batch production control in a computer integrated manufacturing environment. <i>Journal of Process Control</i> , <b>1994</b> , 4, 281-290	3.9	5
120	Viscosities of aqueous tert-butyl alcohol solutions. <i>Journal of Chemical &amp; Engineering Data</i> , <b>1991</b> , 36, 55-57	2.8	5
119	Solubilities and enthalpies of absorption of isobutene into tert-butyl alcohol-water mixtures. <i>Journal of Chemical &amp; Engineering Data</i> , <b>1987</b> , 32, 169-171	2.8	5
118	A trickle-bed process for hydration of isobutene to tert-butyl alcohol: A study of reactor performance. <i>The Chemical Engineering Journal</i> , <b>1988</b> , 37, 43-52		5
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