

Luis Puigjaner

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.

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	A Systematic Model for Process Development Activities to Support Process Intelligence. <i>Processes</i> , 2021 , 9, 600	2.9	0
267	Process screening framework for the synthesis of process networks from a circular economy perspective. <i>Resources, Conservation and Recycling</i> , 2021 , 164, 105147	11.9	8
266	110th Anniversary: Knowledge-Based Recipe Management for Production Processes. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 19985-19996	3.9	
265	Advanced Model Design Based on Intelligent System Characterization And Problem Definition. <i>Computer Aided Chemical Engineering</i> , 2019 , 46, 1045-1050	0.6	1
264	Resource-Constrained Production Planning and Scheduling in Multistage Semicontinuous Process Industries 2019 , 115-139		
263	Methods and Tools 2019 , 57-70		
262	Production Scheduling in Large-Scale Multistage Batch Process Industries 2019 , 169-188		
261	Simultaneous Optimization of Production and Logistics Operations in Semicontinuous Process Industries 2019 , 141-166		
260	Production Planning and Scheduling of Parallel Continuous Processes 2019 , 73-94		
259	Production Scheduling in Multistage Semicontinuous Process Industries 2019 , 97-113		
258	Improved problem constraints modeling based using classification. <i>Computer Aided Chemical Engineering</i> , 2019 , 46, 493-498	0.6	
257	Solving Large-Scale Production Scheduling and Planning in the Process Industries 2019 ,		4
256	Integrated Operational and Maintenance Planning of Production and Utility Systems 2019 , 191-244		0
255	Supervised Life-Cycle Assessment Using Automated Process Inventory Based on Process Recipes. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 11246-11254	8.3	3
254	An efficient uncertainty representation for the design of sustainable energy generation systems. <i>Chemical Engineering Research and Design</i> , 2018 , 131, 144-159	5.5	9
253	Decision support platform based on intelligent mathematical modeling agents. <i>Computer Aided Chemical Engineering</i> , 2018 , 43, 1225-1230	0.6	
252	Systematic approach for the design of sustainable supply chains under quality uncertainty. <i>Energy Conversion and Management</i> , 2017 , 149, 722-737	10.6	14

251	Building pharmacokinetic compartmental models using a superstructure approach. <i>Computers and Chemical Engineering</i> , 2017 , 107, 92-99	4	1
250	Integrated game-theory modelling for multi enterprise-wide coordination and collaboration under uncertain competitive environment. <i>Computers and Chemical Engineering</i> , 2017 , 98, 209-235	4	16
249	Optimal bio-based supply chain with carbon capture and use: An economic and environmental approach. <i>Computer Aided Chemical Engineering</i> , 2017 , 40, 2665-2670	0.6	1
248	Decision-Support System for Integration of Transactional Systems and Analytical Models in the Pharmaceutical Industry. <i>Advances in Intelligent Systems and Computing</i> , 2017 , 177-186	0.4	
247	Economic evaluation of bio-based supply chains with CO2 capture and utilisation. <i>Computers and Chemical Engineering</i> , 2017 , 102, 213-225	4	19
246	ANSI/ISA 88-95 Standards Based-Approach for Improved Integration of Recipes and Operational Tasks Supported by Knowledge Management. <i>Computer Aided Chemical Engineering</i> , 2017 , 40, 2335-2340	0.6	0
245	CAPE Role in Engineering Innovation: Part 2-The Coming Revolution. <i>Advances in Intelligent Systems and Computing</i> , 2017 , 91-99	0.4	
244	CAPE Role in Engineering Innovation: Part 1-The evolution. <i>Advances in Intelligent Systems and Computing</i> , 2017 , 79-89	0.4	
243	Recipe Management based on ISA-88 using Semantic Technologies. <i>Computer Aided Chemical Engineering</i> , 2017 , 40, 2293-2298	0.6	
242	Management Coordination for Multi-Participant Supply Chains Under Uncertainty. <i>Operations Research Proceedings: Papers of the Annual Meeting = Vorträge Der Jahrestagung / DGOR</i> , 2017 , 437-443	0.1	
241	Optimal integration of third-parties in a coordinated supply chain management environment. <i>Computers and Chemical Engineering</i> , 2016 , 86, 48-61	4	17
240	Operations Research Ontology for the Integration of Analytic Methods and Transactional Data. <i>Advances in Intelligent Systems and Computing</i> , 2016 , 139-151	0.4	1
239	Scenario-based dynamic negotiation for the coordination of multi-enterprise supply chains under uncertainty. <i>Computers and Chemical Engineering</i> , 2016 , 91, 445-470	4	12
238	Knowledge Management to Support the Integration of Scheduling and Supply Chain Planning using Lagrangean Decomposition. <i>Computer Aided Chemical Engineering</i> , 2015 , 989-994	0.6	3
237	Enterprise-Wide Scheduling Framework Supported by Knowledge Management. <i>Computer Aided Chemical Engineering</i> , 2015 , 37, 983-988	0.6	0
236	Sustainable Design and Operation of a Reactive Distillation System Used for the Production of Cosmetic Ingredients. <i>Computer Aided Chemical Engineering</i> , 2015 , 36, 85-107	0.6	1
235	Supply chain planning and scheduling integration using Lagrangian decomposition in a knowledge management environment. <i>Computers and Chemical Engineering</i> , 2015 , 72, 52-67	4	16
234	Decentralized Manufacturing Supply Chains Coordination under Uncertain Competitiveness. <i>Procedia Engineering</i> , 2015 , 132, 942-949		4

233	Towards a Carbon-Neutral Energy Sector: Opportunities and Challenges of Coordinated Bioenergy Supply Chains-A PSE Approach. <i>Energies</i> , 2015 , 8, 5613-5660	3.1	18
232	Scenario-Based Price Negotiations vs. Game Theory in the Optimization of Coordinated Supply Chains. <i>Computer Aided Chemical Engineering</i> , 2015 , 37, 1859-1864	0.6	2
231	Strategic Planning of Biomass Supply Chain Networks for Co-combustion Plants. <i>Computer Aided Chemical Engineering</i> , 2015 , 453-474	0.6	3
230	Advances in Integrated and Sustainable Supply Chain Planning 2015 ,		1
229	Flexible Batch Process and Plant Design Using Mixed-Logic Dynamic Optimization: Single-Product Plants. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 17182-17199	3.9	5
228	Integration of Methods for Optimization in a Knowledge Management Framework. <i>Computer Aided Chemical Engineering</i> , 2014 , 859-864	0.6	1
227	Knowledge Management Framework for Assessing Environmental Impact in the Enterprise. <i>Computer Aided Chemical Engineering</i> , 2014 , 33, 997-1002	0.6	
226	Using mathematical knowledge management to support integrated decision-making in the enterprise. <i>Computers and Chemical Engineering</i> , 2014 , 66, 139-150	4	10
225	Optimization of pre-treatment selection for the use of woody waste in co-combustion plants. <i>Chemical Engineering Research and Design</i> , 2014 , 92, 1539-1562	5.5	29
224	Bridging the Gap Between Production, Finances, and Risk in Supply Chain Optimization 2014 , 1-44		
223	Multiagent Framework for Modeling and Design of Supply Chain Networks 2014 , 45-85		
222	Integration of enterprise levels based on an ontological framework. <i>Chemical Engineering Research and Design</i> , 2013 , 91, 1542-1556	5.5	24
221	Forecasting CO2 emissions due to gasifier degradation by time-series analysis. <i>Computer Aided Chemical Engineering</i> , 2013 , 427-432	0.6	1
220	Multiobjective evolutionary optimization of batch process scheduling under environmental and economic concerns. <i>AIChE Journal</i> , 2013 , 59, 429-444	3.6	6
219	Considering environmental assessment in an ontological framework for enterprise sustainability. <i>Journal of Cleaner Production</i> , 2013 , 47, 149-164	10.3	36
218	Mathematical Knowledge Management for Enterprise Decision Making. <i>Computer Aided Chemical Engineering</i> , 2013 , 637-642	0.6	2
217	Simultaneous production and logistics operations planning in semicontinuous food industries. <i>Omega</i> , 2012 , 40, 634-650	7.2	66
216	Efficient mathematical frameworks for detailed production scheduling in food processing industries. <i>Computers and Chemical Engineering</i> , 2012 , 42, 206-216	4	38

215	Ontological framework for enterprise-wide integrated decision-making at operational level. <i>Computers and Chemical Engineering</i> , 2012 , 42, 217-234	4	35
214	Prospective and perspective review in integrated supply chain modelling for the chemical process industry. <i>Current Opinion in Chemical Engineering</i> , 2012 , 1, 430-445	5.4	21
213	Design of regional and sustainable bio-based networks for electricity generation using a multi-objective MILP approach. <i>Energy</i> , 2012 , 44, 79-95	7.9	69
212	Sustainable design of a reactive distillation system. <i>Computer Aided Chemical Engineering</i> , 2012 , 30, 61-65.6		
211	Single- & Multi-site Production & Distribution Planning in Food Processing Industries. <i>Computer Aided Chemical Engineering</i> , 2012 , 1030-1034	0.6	2
210	Operational, Tactical and Strategic Integration for Enterprise Decision-Making. <i>Computer Aided Chemical Engineering</i> , 2012 , 397-401	0.6	5
209	Modelling Superstructure for Conceptual Design of Syngas Generation and Treatment. <i>Green Energy and Technology</i> , 2011 , 169-199	0.6	
208	Raw Materials Supply. <i>Green Energy and Technology</i> , 2011 , 23-54	0.6	2
207	An Efficient Mathematical Framework for Detailed Production Scheduling in Food Industries. <i>Computer Aided Chemical Engineering</i> , 2011 , 29, 960-964	0.6	3
206	Production Planning and Scheduling of Parallel Continuous Processes with Product Families. <i>Industrial & Engineering Chemistry Research</i> , 2011 , 50, 1369-1378	3.9	55
205	Optimal location of gasification plants for electricity production in rural areas. <i>Computer Aided Chemical Engineering</i> , 2011 , 29, 1809-1813	0.6	0
204	Resource-constrained production planning in semicontinuous food industries. <i>Computers and Chemical Engineering</i> , 2011 , 35, 2929-2944	4	32
203	Multiobjective optimization of multiproduct batch plants scheduling under environmental and economic concerns. <i>AIChE Journal</i> , 2011 , 57, 2766-2782	3.6	26
202	Production Scheduling in Multiproduct Multistage Semicontinuous Food Processes. <i>Industrial & Engineering Chemistry Research</i> , 2011 , 50, 6316-6324	3.9	26
201	Scheduling and control decision-making under an integrated information environment. <i>Computers and Chemical Engineering</i> , 2011 , 35, 774-786	4	30
200	Advanced simulation environment for clean power production in IGCC plants. <i>Computers and Chemical Engineering</i> , 2011 , 35, 1501-1520	4	16
199	Integration of a multilevel control system in an ontological information environment. <i>Computer Aided Chemical Engineering</i> , 2011 , 29, 648-652	0.6	2
198	Optimal Production Scheduling and Lot-Sizing in Dairy Plants: The Yogurt Production Line. <i>Industrial & Engineering Chemistry Research</i> , 2010 , 49, 701-718	3.9	56

197	Optimal Production Scheduling and Lot-sizing In Yoghurt Production Lines. <i>Computer Aided Chemical Engineering</i> , 2010 , 28, 1153-1158	0.6	1
196	Scheduling and control decision-making under an integrated information environment. <i>Computer Aided Chemical Engineering</i> , 2010 , 28, 1195-1200	0.6	0
195	Using S-graph to address uncertainty in batch plants. <i>Clean Technologies and Environmental Policy</i> , 2010 , 12, 105-115	4.3	3
194	Towards an ontological infrastructure for chemical batch process management. <i>Computers and Chemical Engineering</i> , 2010 , 34, 668-682	4	37
193	Linking marketing and supply chain models for improved business strategic decision support. <i>Computers and Chemical Engineering</i> , 2010 , 34, 2107-2117	4	19
192	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> , 2010 , 207, 644-655	5.6	76
191	Linking Marketing and Supply Chain Models for Improved Business Strategic Decision Support. <i>Computer Aided Chemical Engineering</i> , 2009 , 27, 1995-2000	0.6	0
190	Dealing with Uncertainty in Polymer Manufacturing by Using Linear Regression Metrics and Sensitivity Analysis. <i>Computer Aided Chemical Engineering</i> , 2009 , 725-730	0.6	1
189	A MILP Scheduling Model for Multi-stage Batch Plants. <i>Computer Aided Chemical Engineering</i> , 2009 , 369-374	3.7	3
188	Flexible design-planning of supply chain networks. <i>AIChE Journal</i> , 2009 , 55, 1736-1753	3.6	48
187	Conceptual model and evaluation of generated power and emissions in an IGCC plant. <i>Energy</i> , 2009 , 34, 1721-1732	7.9	70
186	Statistical and simulation tools for designing an optimal blanketing system of a multiple-tank facility. <i>Chemical Engineering Journal</i> , 2009 , 152, 122-132	14.7	6
185	Performance assessment of a novel fault diagnosis system based on support vector machines. <i>Computers and Chemical Engineering</i> , 2009 , 33, 244-255	4	78
184	Incorporating environmental impacts and regulations in a holistic supply chains modeling: An LCA approach. <i>Computers and Chemical Engineering</i> , 2009 , 33, 1747-1759	4	143
183	An Extended Formulation for the Flexible Short-Term Scheduling of Multiproduct Semicontinuous Plants. <i>Industrial & Engineering Chemistry Research</i> , 2009 , 48, 2009-2019	3.9	8
182	Tracking the Dynamics of the Supply Chain for Enhanced Production Sustainability. <i>Industrial & Engineering Chemistry Research</i> , 2009 , 48, 9556-9570	3.9	13
181	An Efficient Mixed-Integer Linear Programming Scheduling Framework for Addressing Sequence-Dependent Setup Issues in Batch Plants. <i>Industrial & Engineering Chemistry Research</i> , 2009 , 48, 6346-6357	3.9	41
180	Enhancing Abnormal Events Management by the Use of Quantitative Process Hazards Analysis Results. <i>Industrial & Engineering Chemistry Research</i> , 2009 , 48, 3921-3933	3.9	4

179	Managing financial risk in the coordination of supply chain and product development decisions. <i>Computer Aided Chemical Engineering</i> , 2009 , 26, 1027-1032	0.6	4
178	Estimation of Liquid-Liquid Equilibrium for a Quaternary System Using the GMDH Algorithm. <i>Industrial & Engineering Chemistry Research</i> , 2009 , 48, 2129-2134	3.9	18
177	Multi-Site Scheduling/Batching and Production Planning for Batch Process Industries. <i>Computer Aided Chemical Engineering</i> , 2009 , 27, 2109-2114	0.6	6
176	A Bi-Level Decomposition Methodology for Scheduling Batch Chemical Production Facilities. <i>Computer Aided Chemical Engineering</i> , 2009 , 27, 681-686	0.6	4
175	Towards an ontological infrastructure for chemical batch process management. <i>Computer Aided Chemical Engineering</i> , 2009 , 26, 883-888	0.6	
174	Life Cycle Assessment Coupled with Process Simulation under Uncertainty for Reduced Environmental Impact: Application to Phosphoric Acid Production. <i>Industrial & Engineering Chemistry Research</i> , 2008 , 47, 8286-8300	3.9	34
173	Costs for Rescheduling Actions: A Critical Issue for Reducing the Gap between Scheduling Theory and Practice. <i>Industrial & Engineering Chemistry Research</i> , 2008 , 47, 8785-8795	3.9	35
172	Material Transfer Operations in Batch Scheduling. A Critical Modeling Issue. <i>Industrial & Engineering Chemistry Research</i> , 2008 , 47, 7721-7732	3.9	38
171	Enhanced modeling and integrated simulation of gasification and purification gas units targeted to clean power production. <i>Computer Aided Chemical Engineering</i> , 2008 , 793-798	0.6	5
170	A novel proactive-reactive scheduling approach in chemical multiproduct batch plants. <i>Computer Aided Chemical Engineering</i> , 2008 , 25, 435-440	0.6	1
169	Minimizing water and energy use in the batch and semi-continuous processes in the food and beverage industry 2008 , 256-303		0
168	Metaheuristic multiobjective optimisation approach for the scheduling of multiproduct batch chemical plants. <i>Journal of Cleaner Production</i> , 2008 , 16, 233-244	10.3	17
167	Managing risk through a flexible recipe framework. <i>AIChE Journal</i> , 2008 , 54, 728-740	3.6	9
166	Towards an integrated framework for supply chain management in the batch chemical process industry. <i>Computers and Chemical Engineering</i> , 2008 , 32, 650-670	4	44
165	Decision support framework for coordinated production and transport scheduling in SCM. <i>Computers and Chemical Engineering</i> , 2008 , 32, 1206-1224	4	31
164	Proactive approach to address the uncertainty in short-term scheduling. <i>Computers and Chemical Engineering</i> , 2008 , 32, 1689-1706	4	24
163	Capturing dynamics in integrated supply chain management. <i>Computers and Chemical Engineering</i> , 2008 , 32, 2582-2605	4	58
162	Optimal Reactive Scheduling of Manufacturing Plants with Flexible Batch Recipes. <i>Industrial & Engineering Chemistry Research</i> , 2007 , 46, 6273-6283	3.9	16

161	Simultaneous fault diagnosis in chemical plants using a multilabel approach. <i>AIChE Journal</i> , 2007 , 53, 2871-2884	3.6	40
160	An integrated framework for on-line supervised optimization. <i>Computers and Chemical Engineering</i> , 2007 , 31, 401-409	4	4
159	An agent-based approach for supply chain retrofitting under uncertainty. <i>Computers and Chemical Engineering</i> , 2007 , 31, 722-735	4	34
158	Enhancing dynamic data reconciliation performance through time delays identification. <i>Chemical Engineering and Processing: Process Intensification</i> , 2007 , 46, 1251-1263	3.7	5
157	Enhancing sugar cane process performance through optimal production scheduling. <i>Chemical Engineering and Processing: Process Intensification</i> , 2007 , 46, 198-209	3.7	11
156	A holistic framework for short-term supply chain management integrating production and corporate financial planning. <i>International Journal of Production Economics</i> , 2007 , 106, 288-306	9.3	66
155	Empowering financial tradeoff with joint financial and supply chain planning models. <i>Mathematical and Computer Modelling</i> , 2007 , 46, 12-23		7
154	A joint control framework for supply chain planning. <i>Computer Aided Chemical Engineering</i> , 2007 , 715-720.6		
153	Integrating process operations and finances for the optimal design of chemical supply chains. <i>Computer Aided Chemical Engineering</i> , 2007 , 24, 721-726	0.6	
152	Extended Modeling Framework for Heat and Power Integration in Batch and Semi-continuous Processes. <i>Chemical Product and Process Modeling</i> , 2007 , 2,	1.1	3
151	A novel continuous-time MILP approach for short-term scheduling of multipurpose pipeless batch plants. <i>Computer Aided Chemical Engineering</i> , 2007 , 24, 595-600	0.6	2
150	Exploring and improving clustering based strategies for chemical process supervision. <i>Computer Aided Chemical Engineering</i> , 2007 , 24, 285-290	0.6	
149	Exploiting the use of a flexible recipe framework to manage financial risk. <i>Computer Aided Chemical Engineering</i> , 2007 , 643-648	0.6	
148	Simultaneous fault diagnosis in chemical plants using support Vector Machines. <i>Computer Aided Chemical Engineering</i> , 2007 , 24, 1253-1258	0.6	5
147	Multi-objective optimization of dairy supply chain. <i>Computer Aided Chemical Engineering</i> , 2007 , 781-786	0.6	3
146	Enhancing Corporate Value in the Optimal Design of Chemical Supply Chains. <i>Industrial & Engineering Chemistry Research</i> , 2007 , 46, 7739-7757	3.9	42
145	Addressing the scheduling of chemical supply chains under demand uncertainty. <i>AIChE Journal</i> , 2006 , 52, 3864-3881	3.6	14
144	A novel combined approach for supply chain modeling and analysis. <i>Computer Aided Chemical Engineering</i> , 2006 , 2207-2212	0.6	

143	A mathematical programming approach including flexible recipes to batch operation rescheduling. <i>Computer Aided Chemical Engineering</i> , 2006 , 21, 1377-1382	0.6	2
142	Modelling and simulation of a tyre gasification plant for synthesis gas production. <i>Computer Aided Chemical Engineering</i> , 2006 , 21, 1771-1776	0.6	25
141	Integration of Principal Component Analysis and Fuzzy Logic Systems for Comprehensive Process Fault Detection and Diagnosis. <i>Industrial & Engineering Chemistry Research</i> , 2006 , 45, 1739-1750	3.9	26
140	Addressing the Design of Chemical Supply Chains under Demand Uncertainty. <i>Industrial & Engineering Chemistry Research</i> , 2006 , 45, 7566-7581	3.9	33
139	Supply Chain Management through Dynamic Model Parameters Optimization. <i>Industrial & Engineering Chemistry Research</i> , 2006 , 45, 1708-1721	3.9	14
138	A Simulation-Based Optimization Framework for Parameter Optimization of Supply-Chain Networks. <i>Industrial & Engineering Chemistry Research</i> , 2006 , 45, 3133-3148	3.9	45
137	A rigorous approach to coordinate production and transport scheduling in a multi-site system. <i>Computer Aided Chemical Engineering</i> , 2006 , 21, 2171-2176	0.6	5
136	Fault diagnosis based on support vector machines and systematic comparison to existing approaches. <i>Computer Aided Chemical Engineering</i> , 2006 , 1209-1214	0.6	2
135	An optimization framework to computer-aided design of reliable measurement systems. <i>Computer Aided Chemical Engineering</i> , 2006 , 1293-1298	0.6	
134	Rigorous scheduling resolution of complex multipurpose batch plants: S-Graph vs. MILP. <i>Computer Aided Chemical Engineering</i> , 2006 , 21, 2033-2038	0.6	
133	Simultaneous optimization of process operations and financial decisions to enhance the integrated planning/scheduling of chemical supply chains. <i>Computers and Chemical Engineering</i> , 2006 , 30, 421-436	4	78
132	Closing the information loop in recipe-based batch production. <i>Computer Aided Chemical Engineering</i> , 2005 , 1381-1386	0.6	2
131	Optimal Offer Proposal Policy in an Integrated Supply Chain Management Environment. <i>Industrial & Engineering Chemistry Research</i> , 2005 , 44, 7405-7419	3.9	17
130	Management of Pricing Policies and Financial Risk as a Key Element for Short Term Scheduling Optimization. <i>Industrial & Engineering Chemistry Research</i> , 2005 , 44, 557-575	3.9	25
129	Addressing Robustness in Scheduling Batch Processes with Uncertain Operation Times. <i>Industrial & Engineering Chemistry Research</i> , 2005 , 44, 1524-1534	3.9	40
128	Slow Pyrolysis of Woody Residues and an Herbaceous Biomass Crop: A Kinetic Study. <i>Industrial & Engineering Chemistry Research</i> , 2005 , 44, 6650-6660	3.9	35
127	Supply chain management through a combined simulation-optimisation approach. <i>Computer Aided Chemical Engineering</i> , 2005 , 1405-1410	0.6	2
126	Dynamic Data Reconciliation Based on Wavelet Trend Analysis. <i>Industrial & Engineering Chemistry Research</i> , 2005 , 44, 4323-4335	3.9	15

125	Improving of wavelets filtering approaches. <i>Computer Aided Chemical Engineering</i> , 2005 , 20, 1369-1374	0.6	2
124	On-line fault diagnosis support for real time evolution applied to multi-component distillation. <i>Computer Aided Chemical Engineering</i> , 2005 , 20, 961-966	0.6	3
123	Integrating short-term budgeting into multi-site scheduling. <i>Computer Aided Chemical Engineering</i> , 2005 , 1663-1668	0.6	
122	Instrumentation design based on optimal Kalman filtering. <i>Journal of Process Control</i> , 2005 , 15, 629-638	3.9	25
121	Kinetic behaviour of iron oxide sorbent in hot gas desulfurization. <i>Fuel</i> , 2005 , 84, 1105-1109	7.1	36
120	Optimal budget and cash flows during retrofitting periods in batch chemical process industries. <i>International Journal of Production Economics</i> , 2005 , 95, 359-372	9.3	23
119	Multiobjective supply chain design under uncertainty. <i>Chemical Engineering Science</i> , 2005 , 60, 1535-1553	4.4	22.5
118	Supply chain monitoring: a statistical approach. <i>Computer Aided Chemical Engineering</i> , 2005 , 20, 1375-1380	0.6	6
117	Planning, scheduling and budgeting value-added chains. <i>Computers and Chemical Engineering</i> , 2004 , 28, 45-61	4	33
116	Scheduling intermediate storage multipurpose batch plants using the S-graph. <i>AIChE Journal</i> , 2004 , 50, 403-417	3.6	22
115	Batch distillation: simulation and experimental validation. <i>Chemical Engineering and Processing: Process Intensification</i> , 2004 , 43, 1239-1252	3.7	7
114	On-line process optimization: parameter tuning for the real time evolution (RTE) approach. <i>Computers and Chemical Engineering</i> , 2004 , 28, 661-672	4	12
113	Integrating production and transport scheduling for supply chain management under market uncertainty. <i>Computer Aided Chemical Engineering</i> , 2004 , 18, 919-924	0.6	
112	SCHEDULING OF CONTINUOUS PARALLEL LINES IN THE EVAPORATION SECTION OF SUGAR PLANTS. <i>Chemical Engineering Communications</i> , 2004 , 191, 1121-1146	2.2	7
111	Decision-Making Strategy and Tool for Sensor Network Design and Retrofit. <i>Industrial & Engineering Chemistry Research</i> , 2004 , 43, 1711-1722	3.9	6
110	Risk Management in the Scheduling of Batch Plants under Uncertain Market Demand. <i>Industrial & Engineering Chemistry Research</i> , 2004 , 43, 741-750	3.9	81
109	Design and Retrofit of Reliable Sensor Networks. <i>Industrial & Engineering Chemistry Research</i> , 2004 , 43, 8026-8036	3.9	14
108	Instrumentation Design and Upgrade for Principal Components Analysis Monitoring. <i>Industrial & Engineering Chemistry Research</i> , 2004 , 43, 2150-2159	3.9	21

107	Further Applications of a Revisited Summative Model for Kinetics of Biomass Pyrolysis. <i>Industrial & Engineering Chemistry Research</i> , 2004 , 43, 901-906	3.9	54
106	Combining Complementary Scheduling Approaches into an Enhanced Modular Software. <i>Computer Aided Chemical Engineering</i> , 2004 , 18, 889-894	0.6	
105	Virtual plant-wide management and optimisation of responsive manufacturing networks (VIP-NET): An EC collaborative research project. <i>Computer Aided Chemical Engineering</i> , 2004 , 18, 913-918	0.6	
104	Management of financial and consumer satisfaction risks in supply chain design. <i>Computer Aided Chemical Engineering</i> , 2003 , 14, 419-424	0.6	2
103	Integrating budgeting models into APS systems in batch chemical industries. <i>Computer Aided Chemical Engineering</i> , 2003 , 14, 359-364	0.6	1
102	A holistic framework for supply chain management. <i>Computer Aided Chemical Engineering</i> , 2003 , 14, 413-418	0.6	1
101	Financial risk control in a discrete event supply chain. <i>Computer Aided Chemical Engineering</i> , 2003 , 14, 479-484	0.6	2
100	On-line process optimisation: Parameter tuning for the real time evolution (RTE) approach. <i>Computer Aided Chemical Engineering</i> , 2003 , 917-922	0.6	
99	Integrating pricing policies and risk management into scheduling of batch plants. <i>Computer Aided Chemical Engineering</i> , 2003 , 15, 469-474	0.6	2
98	Kinetics of Biomass Pyrolysis: a Reformulated Three-Parallel-Reactions Model. <i>Industrial & Engineering Chemistry Research</i> , 2003 , 42, 434-441	3.9	220
97	Design optimisation of constructed wetlands for wastewater treatment. <i>Resources, Conservation and Recycling</i> , 2003 , 37, 193-204	11.9	26
96	Incorporating heat integration in batch process scheduling. <i>Applied Thermal Engineering</i> , 2003 , 23, 1743-1762	3.6	67
95	Controllability of Different Multicomponent Distillation Arrangements. <i>Industrial & Engineering Chemistry Research</i> , 2003 , 42, 1773-1782	3.9	63
94	Off-Line and On-Line Approach for Optimal Maintenance Management of Continuous Parallel Processes with Decreasing Performance. <i>Industrial & Engineering Chemistry Research</i> , 2003 , 42, 1761-1772	3.9	2
93	Integrating Budgeting Models into Scheduling and Planning Models for the Chemical Batch Industry. <i>Industrial & Engineering Chemistry Research</i> , 2003 , 42, 6125-6134	3.9	29
92	A New Framework for Batch Process Optimization Using the Flexible Recipe. <i>Industrial & Engineering Chemistry Research</i> , 2003 , 42, 370-379	3.9	15
91	Managing financial risk in scheduling of batch plants. <i>Computer Aided Chemical Engineering</i> , 2003 , 14, 41-46	0.6	1
90	Combinatorial framework for effective scheduling of multipurpose batch plants. <i>AIChE Journal</i> , 2002 , 48, 2557-2570	3.6	41

89	Parameter estimation with genetic algorithm in control of fed-batch reactors. <i>Chemical Engineering and Processing: Process Intensification</i> , 2002 , 41, 303-309	3.7	23
88	Planning and scheduling the value-added chain. <i>Computer Aided Chemical Engineering</i> , 2002 , 10, 625-630.	0.6	
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