Lazaros G Papageorgiou

List of Publications by Year
in descending order

203 papers	6,803 citations	61857 43 h-index	74018 75 g-index
227 all docs	227 docs citations	227 times ranked	4996 citing authors

#	Article	IF	Citations
1	Multi-objective optimisation for safe multi-floor process plant layout using the Dowâ€™s Fire & Explosion Index. Journal of Loss Prevention in the Process Industries, 2022, 76, 104722.	1.7	3
2	Investigating the Trade-Off between Design and Operational Flexibility in Continuous Manufacturing of Pharmaceutical Tablets: A Case Study of the Fluid Bed Dryer. Processes, 2022, 10, 454.	1.3	3
3	Optimisation Frameworks for Integrated Planning with Allocation of Transportation Resources for Industrial Gas Supply Chains. Computers and Chemical Engineering, 2022, , 107897.	2.0	1
4	An MILP model for safe multi-floor process plant layout using the domino hazard index. Chemical Engineering Research and Design, 2021, 148, 137-165.	2.7	6
5	Supply Chain Planning with Vehicle Allocation for Gas Industry. Computer Aided Chemical Engineering, 2021, , 1803-1808.	0.3	0
6	Improved layout structure with complexity measures for the Manufacturerâ€™s Pallet Loading Problem		

#	Article	IF	Citations
19	Optimal layout of multi-floor process plants using MILP. Computers and Chemical Engineering, 2019, 131, 106573.	2.0	10
20	Optimal Piecewise Linear Regression Algorithm for QSAR Modelling. Molecular Informatics, 2019, 38, e1800028.	1.4	19
21	Scenario tree reduction for optimisation under uncertainty using sensitivity analysis. Computers and Chemical Engineering, 2019, 125, 449-459.	2.0	10
22	A novel scenario aggregation framework based on network community detection methods. Computer Aided Chemical Engineering, 2019, 46, 811-816.	0.3	1
23	Optimal Antibody Purification Strategies Using Data-Driven Models. Engineering, 2019, 5, 1077-1092.	3.2	8
24	Piecewise regression analysis through information criteria using mathematical programming. Expert Systems With Applications, 2019, 121, 362-372.	4.4	22
25	Integrated shale gas supply chain design and water management under uncertainty. AICHE Journal, 2019, 65, 924-936.	1.8	19
26	Fast genetic algorithm approaches to solving discrete-time mixed integer linear programming problems of capacity planning and scheduling of biopharmaceutical manufacture. Computers and Chemical Engineering, 2019, 121, 212-223.	2.0	27
27	Design of hydrogen transmission pipeline networks with hydraulics. Chemical Engineering Research and Design, 2018, 131, 266-278.	2.7	25
28	Key aspects in the strategic development of synthetic natural gas (BioSNG) supply chains. Biomass and Bioenergy, 2018, 110, 80-97.	2.9	11
29	Medium-term optimization-based approach for the integration of production planning, scheduling and maintenance. Computers and Chemical Engineering, 2018, 116, 191-211.	2.0	19
30	Integration of environmental aspects in modelling and optimisation of water supply chains. Science of the Total Environment, 2018, 636, 314-338.	3.9	13
31	A rolling horizon approach for optimal management of microgrids under stochastic uncertainty. Chemical Engineering Research and Design, 2018, 131, 293-317.	2.7	37
32	Piecewise Regression through the Akaike Information Criterion using Mathematical Programming. IFAC-PapersOnLine, 2018, 51, 730-735.	0.5	5
33	Uncertainty aware integration of planning, scheduling and multi-parametric control. Computer Aided Chemical Engineering, 2018, 44, 1171-1176.	0.3	2
34	Multi-objective optimisation for biopharmaceutical manufacturing under uncertainty. Computers and Chemical Engineering, 2018, 119, 383-393.	2.0	12
35	Multi-parametric mixed integer linear programming under global uncertainty. Computers and Chemical Engineering, 2018, 116, 279-295.	2.0	17
36	Disclosing water-energy-economics nexus in shale gas development. Applied Energy, 2018, 225, 710-731.	5.1	15

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37	Optimization-Based Approach for Process Plant Layout. Industrial & Engineering Chemistry Research, 2018, 57, 10482-10490.	1.8	13
38	Optimal multi-floor process plant layout with production sections. Chemical Engineering Research and Design, 2018, 137, 488-501.	2.7	12
39	Optimisation approaches for supply chain planning and scheduling under demand uncertainty. Chemical Engineering Research and Design, 2018, 138, 341-357.	2.7	10
40	An integrated platform for intuitive mathematical programming modeling using LaTeX. PeerJ Computer Science, 2018, 4, e161.	2.7	4
41	Optimisation approaches for the synthesis of water treatment plants. Computers and Chemical Engineering, 2017, 106, 849-871.	2.0	18
42	Fair design of CCS infrastructure for power plants in Qatar under carbon trading scheme. International Journal of Greenhouse Gas Control, 2017, 56, 43-54.	2.3	19
43	A regression tree approach using mathematical programming. Expert Systems With Applications, 2017, 78, 347-357.	4.4	89
44	Multiâ€parametric linear programming under global uncertainty. AIChE Journal, 2017, 63, 3871-3895.	1.8	12
45	Mixed Integer Linear Programming Based Approaches for Medium-Term Planning and Scheduling in Multiproduct Multistage Continuous Plants. Industrial & Engineering Chemistry Research, 2017, 56, 5636-5651.	1.8	13
46	An optimisation framework for the strategic design of synthetic natural gas (BioSNG) supply chains. Applied Energy, 2017, 187, 929-955.	5.1	32
47	Nonlinear Model-Based Process Operation under Uncertainty Using Exact Parametric Programming. Engineering, 2017, 3, 202-213.	3.2	12
48	An MILP formulation for the optimal management of microgrids with task interruptions. Applied Energy, 2017, 206, 1131-1146.	5.1	49
49	Traveling Salesman Problem-Based Integration of Planning, Scheduling, and Optimal Control for Continuous Processes. Industrial & Engineering Chemistry Research, 2017, 56, 11186-11205.	1.8	16
50	Optimizationâ€based framework for resin selection strategies in biopharmaceutical purification process development. Biotechnology Progress, 2017, 33, 1116-1126.	1.3	7
51	Towards a sustainable hydrogen economy: Optimisation-based framework for hydrogen infrastructure development. Computers and Chemical Engineering, 2017, 102, 110-127.	2.0	131
52	Optimal management of microgrids under uncertainty using scenario reduction. Computer Aided Chemical Engineering, 2017, 40, 2257-2262.	0.3	5
53	Resource-constrained formulation for production scheduling and maintenance. Computer Aided Chemical Engineering, 2017, 40, 1375-1380.	0.3	2
54	Closed loop integration of planning, scheduling and control via exact multi-parametric nonlinear programming. Computer Aided Chemical Engineering, 2017, 40, 1273-1278.	0.3	6

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55	Continuous-Time Heuristic Model for Medium-Term Capacity Planning of a Multi-Suite, Multi-Product Biopharmaceutical Facility. Computer Aided Chemical Engineering, 2017, 40, 1303-1308.	0.3	1
56	Towards a sustainable hydrogen economy: role of carbon price for achieving GHG emission targets. Computer Aided Chemical Engineering, 2016, , 1015-1020.	0.3	5
57	Community Structure Detection for Directed Networks through Modularity Optimisation. Algorithms, 2016, 9, 73.	1.2	11
58	Optimal planning and campaign scheduling of biopharmaceutical processes using a continuous-time formulation. Computers and Chemical Engineering, 2016, 91, 422-444.	2.0	16
59	A mixed integer linear programming model for the optimal operation of a network of gas oil separation plants. Chemical Engineering Research and Design, 2016, 111, 147-160.	2.7	9
60	Optimal design of water treatment processes. Desalination and Water Treatment, 2016, 57, 26954-26975.	1.0	5
61	Optimisation of Maintenance Planning into the Production of Biopharmaceuticals with Performance Decay using a Continuous-time Formulation. Computer Aided Chemical Engineering, 2016, 38, 1749-1754.	0.3	2
62	An optimization framework for the integration of water management and shale gas supply chain design. Computers and Chemical Engineering, 2016, 92, 230-255.	2.0	84
63	A mathematical programming approach for sequential clustering of dynamic networks. European Physical Journal B, 2016, 89, 1.	0.6	9
64	Integrated Optimization of Upstream and Downstream Processing in Biopharmaceutical Manufacturing under Uncertainty: A Chance Constrained Programming Approach. Industrial & Engineering Chemistry Research, 2016, 55, 4599-4612.	1.8	23
65	Economic and environmental scheduling of smart homes with microgrid: DER operation and electrical tasks. Energy Conversion and Management, 2016, 110, 113-124.	4.4	124
66	Mathematical programming for piecewise linear regression analysis. Expert Systems With Applications, 2016, 44, 156-167.	4.4	85
67	Optimal planning of water and wastewater management infrastructure for insular areas: the role of water reuse. Water Science and Technology: Water Supply, 2015, 15, 701-708.	1.0	4
68	Detection of Composite Communities in Multiplex Biological Networks. Scientific Reports, 2015, 5, 10345.	1.6	37
69	Optimisation as a Tool for Gaining Insight: An Application to the Built Environment. Journal of Algorithms and Computational Technology, 2015, 9, 13-26.	0.4	2
70	Optimal design of CHP-based microgrids: Multiobjective optimisation and life cycle assessment. Energy, 2015, 85, 181-193.	4.5	124
71	Mathematical programming approaches for downstream processing optimisation of biopharmaceuticals. Chemical Engineering Research and Design, 2015, 94, 18-31.	2.7	16
72	Synthesis of Water Treatment Processes using Mixed Integer Programming. Computer Aided Chemical Engineering, 2015, 37, 1379-1384.	0.3	1

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73	Sample re-weighting hyper box classifier for multi-class data classification. Computers and Industrial Engineering, 2015, 85, 44-56.	3.4	13
74	Energy Consumption Scheduling of Smart Homes with Microgrid under Multi-objective Optimisation. Computer Aided Chemical Engineering, 2015, 37, 2441-2446.	0.3	7
75	Preliminary Evaluation of Shale Gas Reservoirs: Appraisal of Different Well-Pad Designs via Performance Metrics. Industrial & Engineering Chemistry Research, 2015, 54, 10334-10349.	1.8	15
76	Pathway-level disease data mining through hyper-box principles. Mathematical Biosciences, 2015, 260, 25-34.	0.9	5
77	Optimal Resin Selection for Integrated Chromatographic Separations in High-Throughput Screening. Computer Aided Chemical Engineering, 2015, 37, 2207-2212.	0.3	1
78	Community Structure Detection for Overlapping Modules through Mathematical Programming in Protein Interaction Networks. PLoS ONE, 2014, 9, e112821.	1.1	18
79	Pathway activity inference for multiclass disease classification through a mathematical programming optimisation framework. BMC Bioinformatics, 2014, 15, 390.	1.2	6
80	Optimal Production and Maintenance Planning of Biopharmaceutical Manufacturing under Performance Decay. Industrial & Engineering Chemistry Research, 2014, 53, 17075-17091.	1.8	35
81	An Optimisation-based Approach for Biopharmaceutical Manufacturing. Computer Aided Chemical Engineering, 2014, 33, 1183-1188.	0.3	2
82	Fair cost distribution among smart homes with microgrid. Energy Conversion and Management, 2014, 80, 498-508.	4.4	56
83	Optimising chromatography strategies of antibody purification processes by mixed integer fractional programming techniques. Computers and Chemical Engineering, 2014, 68, 151-164.	2.0	23
84	Capacity planning for batch and perfusion bioprocesses across multiple biopharmaceutical facilities. Biotechnology Progress, 2014, 30, 594-606.	1.3	36
85	Fair electricity transfer price and unit capacity selection for microgrids. Energy Economics, 2013, 36, 581-593.	5.6	47
86	Least Economic Cost Regional Water Supply Planning â€“ Optimising Infrastructure Investments and Demand Management for South East Englandâ€™s 17.6 Million People. Water Resources Management, 2013, 27, 5017.	1.9	21
87	Multiobjective optimisation of production, distribution and capacity planning of global supply chains in the process industry. Omega, 2013, 41, 369-382.	3.6	248
88	Optimal design and operation of distributed energy systems: Application to Greek residential sector. Renewable Energy, 2013, 51, 331-342.	4.3	178
89	The importance of economies of scale, transport costs and demand patterns in optimising hydrogen fuelling infrastructure: An exploration with SHIPMod (Spatial hydrogen infrastructure planning) Tj ETQq1 1 0.784314 rgBT /Overlock 10	3.8	62
90	Efficient energy consumption and operation management in a smart building with microgrid. Energy Conversion and Management, 2013, 74, 209-222.	4.4	278

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91	Mathematical programming formulations for non-smooth and non-convex electricity dispatch problems. Electric Power Systems Research, 2013, 95, 302-308.	2.1	28
92	Designing costâ€effective biopharmaceutical facilities using mixedâ€integer optimization. Biotechnology Progress, 2013, 29, 1472-1483.	1.3	21
93	Mixed integer optimisation of antibody purification processes. Computer Aided Chemical Engineering, 2013, 32, 157-162.	0.3	7
94	A Mathematical Programming Approach to Community Structure Detection in Complex Networks. Computer Aided Chemical Engineering, 2012, 30, 1387-1391.	0.3	2
95	Production planning of batch and semi-continuous bioprocesses across multiple biopharmaceutical facilities. Computer Aided Chemical Engineering, 2012, 30, 377-381.	0.3	2
96	A Model Predictive Control Framework for Residential Microgrids. Computer Aided Chemical Engineering, 2012, 30, 327-331.	0.3	16
97	DETECTION OF DISJOINT AND OVERLAPPING MODULES IN WEIGHTED COMPLEX NETWORKS. International Journal of Modeling, Simulation, and Scientific Computing, 2012, 15, 1150023.	0.9	9
98	An MILP formulation for the synthesis of protein purification processes. Chemical Engineering Research and Design, 2012, 90, 1262-1270.	2.7	10
99	A two-step optimisation approach for integrated water resources management. Computer Aided Chemical Engineering, 2012, 30, 96-100.	0.3	3
100	A novel efficient optimisation system for purification process synthesis. Biochemical Engineering Journal, 2012, 67, 186-193.	1.8	13
101	An optimisation framework for a hybrid first/second generation bioethanol supply chain. Computers and Chemical Engineering, 2012, 42, 101-114.	2.0	112
102	A mathematical programming approach for optimal design of distributed energy systems at the neighbourhood level. Energy, 2012, 44, 96-104.	4.5	259
103	Life cycle assessment and optimization on the production of petrochemicals and energy from polymers for the Greater London Area. Computer Aided Chemical Engineering, 2012, , 101-106.	0.3	4
104	Multiechelon supply chain planning with sequenceâ€dependent changeovers and price elasticity of demand under uncertainty. AICHE Journal, 2012, 58, 3390-3403.	1.8	15
105	On the modelling of valve point loadings for power electricity dispatch. Applied Energy, 2012, 91, 301-303.	5.1	31
106	Economic optimisation of a UK advanced biofuel supply chain. Biomass and Bioenergy, 2012, 41, 57-72.	2.9	107
107	Integrated Management of Non-conventional Water Resources in Anhydrous Islands. Water Resources Management, 2012, 26, 359-375.	1.9	19
108	Detection of Multi-clustered Genes and Community Structure for the Plant Pathogenic Fungus Fusarium graminearum. Lecture Notes in Computer Science, 2012, , 69-86.	1.0	8

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109	Optimisation based analysis of a dwelling with an air source heat pump. Computer Aided Chemical Engineering, 2012, 30, 312-316.	0.3	2
110	Optimization-Based Approaches for Bioethanol Supply Chains. Industrial & Engineering Chemistry Research, 2011, 50, 4927-4938.	1.8	102
111	An MILP Model for the Strategic Design of the UK Bioethanol Supply Chain. Computer Aided Chemical Engineering, 2011, , 1799-1803.	0.3	5
112	Disease Classification through Integer Optimisation. Computer Aided Chemical Engineering, 2011, 29, 1548-1552.	0.3	1
113	Global supply chain planning for pharmaceuticals. Chemical Engineering Research and Design, 2011, 89, 2396-2409.	2.7	89
114	Optimal synthesis of chromatographic trains for downstream protein processing. Biotechnology Progress, 2011, 27, 1653-1660.	1.3	18
115	A mixed integer optimisation approach for integrated water resources management. Computers and Chemical Engineering, 2011, 35, 858-875.	2.0	63
116	Management of desalinated seawater, wastewater and reclaimed water in insular and geographically isolated areas using optimisation techniques. Desalination and Water Treatment, 2011, 33, 3-13.	1.0	2
117	An Optimisation-based Approach for Integrated Water Resources Management. Computer Aided Chemical Engineering, 2010, , 1075-1080.	0.3	6
118	MILP-based approaches for medium-term planning of single-stage continuous multiproduct plants with parallel units. Computational Management Science, 2010, 7, 407-435.	0.8	23
119	Module detection in complex networks using integer optimisation. Algorithms for Molecular Biology, 2010, 5, 36.	0.3	23
120	Single-Stage Scheduling of Multiproduct Batch Plants: An Edible-Oil Deodorizer Case Study. Industrial & Engineering Chemistry Research, 2010, 49, 8657-8669.	1.8	17
121	An MINLP Formulation for the Synthesis of Chromatographic Protein Purification Processes with Product Loss. Computer Aided Chemical Engineering, 2009, 26, 1057-1062.	0.3	2
122	Efficient MILP formulations for the simultaneous optimal peptide tag design and downstream processing synthesis. AICHE Journal, 2009, 55, 2303-2317.	1.8	12
123	Process plant layout using an improvement-type algorithm. Chemical Engineering Research and Design, 2009, 87, 780-788.	2.7	24
124	A mixed integer optimisation model for data classification. Computers and Industrial Engineering, 2009, 56, 1205-1215.	3.4	40
125	Supply chain optimisation for the process industries: Advances and opportunities. Computers and Chemical Engineering, 2009, 33, 1931-1938.	2.0	262
126	Medium-term planning of multistage multiproduct continuous plants using mixed integer optimisation. Computer Aided Chemical Engineering, 2009, 26, 393-398.	0.3	3

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127	Supply chain design and multilevel planningâ€"An industrial case. Computers and Chemical Engineering, 2008, 32, 2643-2663.	2.0	59
128	An iterative mixed integer optimisation approach for medium term planning of biopharmaceutical manufacture under uncertainty. Chemical Engineering Research and Design, 2008, 86, 259-267.	2.7	21
129	Optimization of vendor-managed inventory systems in a rolling horizon framework. Computers and Industrial Engineering, 2008, 54, 1019-1047.	3.4	36
130	Optimal production allocation and distribution supply chain networks. International Journal of Production Economics, 2008, 111, 468-483.	5.1	428
131	MINLP Models for the Synthesis of Optimal Peptide Tags and Downstream Protein Processing. Biotechnology Progress, 2008, 21, 875-884.	1.3	23
132	Medium-Term Planning of Single-Stage Single-Unit Multiproduct Plants Using a Hybrid Discrete/Continuous-Time MILP Model. Industrial & Engineering Chemistry Research, 2008, 47, 1925-1934.	1.8	25
133	A TSP-based MILP Model for Medium-Term Planning of Single-Stage Continuous Multiproduct Plants. Industrial & Engineering Chemistry Research, 2008, 47, 7733-7743.	1.8	48
134	Global Optimization of Water Distribution Systems. , 2008, , .		0
135	A discrete/continuous-time MILP model for medium-term planning of single stage multiproduct plants. Computer Aided Chemical Engineering, 2007, , 685-690.	0.3	2
136	A mixed integer optimisation approach for data classification with multiple groups. Computer Aided Chemical Engineering, 2007, 24, 291-296.	0.3	0
137	An iterative solution approach to process plant layout using mixed integer optimisation. Computer Aided Chemical Engineering, 2007, 24, 419-424.	0.3	1
138	A Construction-Based Approach to Process Plant Layout Using Mixed-Integer Optimization. Industrial & Engineering Chemistry Research, 2007, 46, 351-358.	1.8	17
139	A MILP model for N-dimensional allocation. Computers and Chemical Engineering, 2007, 31, 1702-1714.	2.0	24
140	Multiobjective Long-Term Planning of Biopharmaceutical Manufacturing Facilities. Biotechnology Progress, 2007, 23, 1383-1393.	1.3	22
141	Finding community structures in complex networks using mixed integer optimisation. European Physical Journal B, 2007, 60, 231-239.	0.6	67
142	Active demand management for substitute products through price optimisation. OR Spectrum, 2007, 29, 551-577.	2.1	14
143	A mixed integer quadratic programming formulation for the economic dispatch of generators with prohibited operating zones. Electric Power Systems Research, 2007, 77, 1292-1296.	2.1	124
144	Medium term planning of biopharmaceutical manufacture under uncertainty. Computer Aided Chemical Engineering, 2006, 21, 2069-2074.	0.3	3

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145	Medium Term Planning of Biopharmaceutical Manufacture with Uncertain Fermentation Titers. Biotechnology Progress, 2006, 22, 1630-1636.	1.3	13
146	Medium term planning of biopharmaceutical manufacture with uncertain fermentation titers. Biotechnology Progress, 2006, 22, 1630-6.	1.3	4
147	An MILP model for optimal design of purification tags and synthesis of downstream processing. Computer Aided Chemical Engineering, 2005, , 1537-1542.	0.3	2
148	A problem formulation for optimal mixed-sized box packing. Computer Aided Chemical Engineering, 2005, 20, 913-918.	0.3	3
149	A hybrid MILP/CLP algorithm for multipurpose batch process scheduling. Computers and Chemical Engineering, 2005, 29, 1277-1291.	2.0	51
150	Optimal design of an electrodialysis brackish water desalination plant. Desalination, 2005, 173, 173-186.	4.0	120
151	Customer Demand Forecasting via Support Vector Regression Analysis. Chemical Engineering Research and Design, 2005, 83, 1009-1018.	2.7	55
152	Mixed Integer Optimization for Cyclic Scheduling of Multiproduct Plants Under Exponential Performance Decay. Chemical Engineering Research and Design, 2005, 83, 1208-1217.	2.7	9
153	Medium Term Planning of Biopharmaceutical Manufacture using Mathematical Programming. Biotechnology Progress, 2005, 21, 1478-1489.	1.3	44
154	Optimisation-based scheduling: A discrete manufacturing case study. Computers and Industrial Engineering, 2005, 49, 118-145.	3.4	12
155	Global supply chain network optimisation for pharmaceuticals. Computer Aided Chemical Engineering, 2005, 20, 1189-1194.	0.3	27
156	Optimisation of policy parameters in supply chain applications. International Journal of Logistics Research and Applications, 2005, 8, 15-36.	5.6	6
157	Layout Aspects of Pipeless Batch Plants. Industrial & Engineering Chemistry Research, 2005, 44, 5672-5679.	1.8	13
158	Robustness of the p53 network and biological hackers. FEBS Letters, 2005, 579, 3037-3042.	1.3	38
159	An MILP Approach to Safe Process Plant Layout. Chemical Engineering Research and Design, 2004, 82, 579-586.	2.7	74
160	A mathematical programming approach for cyclic production and cleaning scheduling of multistage continuous plants. Computers and Chemical Engineering, 2004, 28, 3-15.	2.0	38
161	Optimal design and operation of continuous ultrafiltration plants. Journal of Membrane Science, 2004, 235, 131-138.	4.1	38
162	A hierarchical solution approach for multi-site capacity planning under uncertainty in the pharmaceutical industry. Computers and Chemical Engineering, 2004, 28, 707-725.	2.0	138

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163	Optimal maintenance planning and crew allocation for multipurpose batch plants. International Journal of Production Research, 2004, 42, 355-377.	4.9	15
164	The Economic Lot Scheduling Problem under Performance Decay. Industrial & Engineering Chemistry Research, 2004, 43, 6463-6475.	1.8	15
165	Optimal peptide tag design and synthesis of downstream protein processing. Computer Aided Chemical Engineering, 2004, , 289-294.	0.3	0
166	Virtual plant-wide management and optimisation of responsive manufacturing networks (VIP-NET): An EC collaborative research project. Computer Aided Chemical Engineering, 2004, 18, 913-918.	0.3	0
167	An MILP Model for Medium-term Production and Maintenance Management. , 2004, , 2827-2832.		1
168	Capacity Planning Under Uncertainty for the Pharmaceutical Industry. Chemical Engineering Research and Design, 2003, 81, 665-678.	2.7	89
169	Analysis of metabolic networks using a pathway distance metric through linear programming. Metabolic Engineering, 2003, 5, 211-219.	3.6	13
170	Efficient Solution Approaches for the Multifloor Process Plant Layout Problem. Industrial & Engineering Chemistry Research, 2003, 42, 811-824.	1.8	32
171	Optimal design and operation of batch ultrafiltration systems. Computer Aided Chemical Engineering, 2003, 14, 149-154.	0.3	0
172	Discrete model and visualization interface for water distribution network design. Computer Aided Chemical Engineering, 2003, 14, 119-124.	0.3	1
173	A hybrid CLP and MILP approach to batch process scheduling. Computer Aided Chemical Engineering, 2003, 15, 582-587.	0.3	1
174	Multi-site capacity planning for the pharmaceutical industry using mathematical programming. Computer Aided Chemical Engineering, 2003, 14, 1097-1102.	0.3	1
175	Safe Process Plant Layout using Mathematical Programming. Computer Aided Chemical Engineering, 2002, 10, 295-300.	0.3	4
176	Cyclic Production and Cleaning Scheduling of Multiproduct Continuous Plants. Computer Aided Chemical Engineering, 2002, , 613-618.	0.3	1
177	Fair transfer price and inventory holding policies in two-enterprise supply chains. European Journal of Operational Research, 2002, 143, 582-599.	3.5	84
178	Optimal multi-floor process plant layout. Computers and Chemical Engineering, 2002, 26, 575-583.	2.0	82
179	Title is missing!. Chemical Engineering Research and Design, 2002, 80, 553.	2.7	0
180	Strategic Supply Chain Optimization for the Pharmaceutical Industries. Industrial & Engineering Chemistry Research, 2001, 40, 275-286.	1.8	172

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181	A combined optimization and agent-based approach to supply chain modelling and performance assessment. Production Planning and Control, 2001, 12, 81-88.	5.8	138
182	Transfer Prices for Multienterprise Supply Chain Optimization. Industrial & Engineering Chemistry Research, 2001, 40, 1650-1660.	1.8	90
183	Interactions of Maintenance and Production Planning for Multipurpose Process PlantsA System Effectiveness Approach. Industrial & Engineering Chemistry Research, 2001, 40, 3195-3207.	1.8	42
184	Capacity planning under clinical trials uncertainty for the pharmaceutical industry. Computer Aided Chemical Engineering, 2001, , 865-870.	0.3	4
185	Optimal scheduling of heat-integrated multipurpose plants under fouling conditions. Applied Thermal Engineering, 2001, 21, 1675-1697.	3.0	20
186	Operational envelopes for batch processes. AICHE Journal, 2001, 47, 2277-2288.	1.8	16
187	Optimal multi-floor process plant layout. Computer Aided Chemical Engineering, 2001, 9, 475-480.	0.3	1
188	Process design for maintainability: an optimization approach. Computers and Chemical Engineering, 2000, 24, 203-208.	2.0	12
189	A mathematical programming approach for the optimal scheduling of heat-integrated multipurpose plants under fouling conditions. Computer Aided Chemical Engineering, 2000, 8, 1111-1116.	0.3	1
190	Optimal Cleaning Policies in Heat Exchanger Networks under Rapid Fouling. Industrial & Engineering Chemistry Research, 2000, 39, 441-454.	1.8	54
191	Optimal cyclic cleaning scheduling in heat exchanger networks under fouling. Computers and Chemical Engineering, 1999, 23, S203-S206.	2.0	14
192	A product portfolio approach in the pharmaceutical industry. Computers and Chemical Engineering, 1999, 23, S883-S886.	2.0	36
193	Batch process design and operation using operational envelopes. Computers and Chemical Engineering, 1999, 23, S887-S890.	2.0	3
194	Continuous-Domain Mathematical Models for Optimal Process Plant Layout. Industrial & Engineering Chemistry Research, 1998, 37, 3631-3639.	1.8	70
195	Robustness metrics for dynamic optimization models under parameter uncertainty. AICHE Journal, 1998, 44, 1993-2006.	1.8	63
196	Robust optimal fermentation operating policies. Computers and Chemical Engineering, 1998, 22, S167-S174.	2.0	9
197	Optimal Campaign Planning/Scheduling of Multipurpose Batch/Semicontinuous Plants. 1. Mathematical Formulation. Industrial & Engineering Chemistry Research, 1996, 35, 488-509.	1.8	94
198	Optimal Campaign Planning/Scheduling of Multipurpose Batch/Semicontinuous Plants. 2. A Mathematical Decomposition Approach. Industrial & Engineering Chemistry Research, 1996, 35, 510-529.	1.8	78

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199	Optimal Scheduling of Heat-Integrated Multipurpose Plants. Industrial & Engineering Chemistry Research, 1994, 33, 3168-3186.	1.8	68
200	A hierarchical approach for campaign planning of multipurpose batch plants. Computers and Chemical Engineering, 1993, 17, S27-S32.	2.0	26
201	Supply Chain Management and Optimization. , 0, , 621-641.		4
202	Bridging the Gap Between Production, Finances, and Risk in Supply Chain Optimization. , 0, , 1-44.		0
203	A Two Step Hybrid Optimization Procedure for the Design of Optimal Water Distribution Networks. , 0, , 311-332.		0