

Ana Paula Barbosa-Povoa

List of Publications by Year in descending order

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Version: 2024-02-01

304
papers

8,082
citations

44069

48
h-index

62596

80
g-index

313
all docs

313
docs citations

313
times ranked

5106
citing authors

#	ARTICLE	IF	CITATIONS
1	Blood inventory management: Ordering policies for hospital blood banks under uncertainty. <i>International Transactions in Operational Research</i> , 2023, 30, 273-301.	2.7	12
2	A hybrid simulation approach applied in sustainability performance assessment in make-to-order supply chains: The case of a commercial aircraft manufacturer. <i>Journal of Simulation</i> , 2023, 17, 32-57.	1.5	5
3	A graph modeling framework to design and plan the downstream oil supply chain. <i>International Transactions in Operational Research</i> , 2022, 29, 1502-1519.	2.7	6
4	A two-level optimisation-simulation method for production planning and scheduling: the industrial case of a human-robot collaborative assembly line. <i>International Journal of Production Research</i> , 2022, 60, 2942-2962.	7.5	15
5	Enhancing capacity planning through forecasting: An integrated tool for maintenance of complex product systems. <i>International Journal of Forecasting</i> , 2022, 38, 178-192.	6.5	2
6	The wicked problem of sustainable development in supply chains. <i>Business Strategy and the Environment</i> , 2022, 31, 46-58.	14.3	14
7	A hybrid metaheuristic for smart waste collection problems with workload concerns. <i>Computers and Operations Research</i> , 2022, 137, 105518.	4.0	14
8	Simulation of in-house logistics operations for manufacturing. <i>International Journal of Computer Integrated Manufacturing</i> , 2022, 35, 989-1009.	4.6	3
9	Pharmaceutical industry supply chains: How to sustainably improve access to vaccines?. <i>Chemical Engineering Research and Design</i> , 2022, 182, 324-341.	5.6	7
10	Towards sustainable development: Green supply chain design and planning using monetization methods. <i>Business Strategy and the Environment</i> , 2022, 31, 1369-1394.	14.3	4
11	Assessment of financial risk in the design and scheduling of multipurpose plants under demand uncertainty. <i>International Journal of Production Research</i> , 2021, 59, 6125-6145.	7.5	13
12	Fostering long-term care planning in practice: extending objectives and advancing stochastic treatment within location-allocation modelling. <i>European Journal of Operational Research</i> , 2021, 291, 1041-1061.	5.7	1
13	Social sustainability management in the apparel supply chains. <i>Journal of Cleaner Production</i> , 2021, 280, 124214.	9.3	54
14	Enhancing optimization planning models for health human resources management with foresight. <i>Omega</i> , 2021, 103, 102384.	5.9	5
15	A solution framework for the long-term scheduling and inventory management of straight pipeline systems with multiple-sources. <i>Computers and Operations Research</i> , 2021, 127, 105143.	4.0	10
16	Building disaster preparedness and response capacity in humanitarian supply chains using the Social Vulnerability Index. <i>European Journal of Operational Research</i> , 2021, 292, 250-275.	5.7	41
17	The impact of CO2 pricing in SC Resilience – An optimisation model. <i>Computer Aided Chemical Engineering</i> , 2021, 50, 927-932.	0.5	1
18	Network design optimization of waste management systems: the case of plastics. <i>Computer Aided Chemical Engineering</i> , 2021, 50, 185-190.	0.5	5

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19	A Lean Approach to Developing Sustainable Supply Chains. Sustainability, 2021, 13, 3714.	3.2	5
20	Simulation-based decision support tool for in-house logistics: the basis for a digital twin. Computers and Industrial Engineering, 2021, 153, 107094.	6.3	43
21	Process systems engineering “The generation next?”. Computers and Chemical Engineering, 2021, 147, 107252.	3.8	128
22	An economic and environmental comparison between forest wood products “Uncoated woodfree paper, natural cork stoppers and particle boards. Journal of Cleaner Production, 2021, 296, 126469.	9.3	7
23	Green Supply Chain Management: Conceptual Framework and Models for Analysis. Sustainability, 2021, 13, 8127.	3.2	35
24	Designing and planning the downstream oil supply chain under uncertainty using a fuzzy programming approach. Computers and Chemical Engineering, 2021, 151, 107373.	3.8	26
25	An efficient Lagrangian-based heuristic to solve a multi-objective sustainable supply chain problem. European Journal of Operational Research, 2021, 294, 70-90.	5.7	17
26	Intermodal Terminal Planning under Decentralized Management: Optimization Model for Rail-Road Terminals and Application to Portugal. Future Transportation, 2021, 1, 533-558.	2.3	2
27	Design and Planning of Green Supply Chains with Risk Concerns. Springer Proceedings in Mathematics and Statistics, 2021, , 145-153.	0.2	0
28	A Multi-objective and Multi-period Model to the Design and Operation of a Hydrogen Supply Chain: An Applied Case in Portugal. Springer Proceedings in Mathematics and Statistics, 2021, , 15-24.	0.2	0
29	Searching for a Solution Method for the Smart Waste Collection Routing Problem. Springer Proceedings in Mathematics and Statistics, 2021, , 1-14.	0.2	1
30	Merging Resilience and Sustainability in Supply Chain Design. Springer Proceedings in Mathematics and Statistics, 2021, , 119-128.	0.2	0
31	Multi-depot vehicle routing problem: a comparative study of alternative formulations. International Journal of Logistics Research and Applications, 2020, 23, 103-120.	8.8	33
32	Process supply chains: Perspectives from academia and industry. Computers and Chemical Engineering, 2020, 132, 106606.	3.8	33
33	Business strategy for sustainable development: Impact of life cycle inventory and life cycle impact assessment steps in supply chain design and planning. Business Strategy and the Environment, 2020, 29, 87-117.	14.3	14
34	Decision-support challenges in the chemical-pharmaceutical industry: Findings and future research directions. Computers and Chemical Engineering, 2020, 134, 106672.	3.8	30
35	A new matheuristic approach for the multi-depot vehicle routing problem with inter-depot routes. OR Spectrum, 2020, 42, 75-110.	3.4	14
36	The vehicle routing problem with backhauls towards a sustainability perspective: a review. Top, 2020, 28, 358-401.	1.6	15

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37	Social Life Cycle Assessment of Pulp and Paper Production – A Portuguese Case Study. <i>Computer Aided Chemical Engineering</i> , 2020, 48, 15-20.	0.5	4
38	Blood supply chain: a two-stage approach for tactical and operational planning. <i>OR Spectrum</i> , 2020, 42, 1023-1053.	3.4	12
39	Supply chain management under product demand and lead time uncertainty. <i>International Journal of Operational Research</i> , 2020, 37, 453.	0.2	0
40	Life Cycle Assessment for the Design of Chemical Processes, Products, and Supply Chains. <i>Annual Review of Chemical and Biomolecular Engineering</i> , 2020, 11, 203-233.	6.8	44
41	Environmental monetization and risk assessment in supply chain design and planning. <i>Journal of Cleaner Production</i> , 2020, 270, 121552.	9.3	16
42	ForeSim-BI: A predictive analytics decision support tool for capacity planning. <i>Decision Support Systems</i> , 2020, 131, 113266.	5.9	12
43	Scheduling of a single-source multiproduct pipeline system by a metaheuristic approach: Combining simulated annealing and MILP. <i>Computers and Chemical Engineering</i> , 2020, 136, 106784.	3.8	6
44	From problem structuring to optimization: A multi-methodological framework to assist the planning of medical training. <i>European Journal of Operational Research</i> , 2019, 273, 662-683.	5.7	8
45	Incorporating social aspects in sustainable supply chains: Trends and future directions. <i>Journal of Cleaner Production</i> , 2019, 237, 117500.	9.3	70
46	Design and Planning of Agri-Food Supply Chains. <i>Computer Aided Chemical Engineering</i> , 2019, , 55-60.	0.5	2
47	Design and Planning of Sustainable Vaccine Supply Chain. <i>Lecture Notes in Logistics</i> , 2019, , 23-55.	0.8	9
48	Multi-objective optimization approach to design and planning hydrogen supply chain under uncertainty: A Portugal study case. <i>Computer Aided Chemical Engineering</i> , 2019, 46, 1309-1314.	0.5	7
49	Life cycle assessment in chemical industry – a review. <i>Current Opinion in Chemical Engineering</i> , 2019, 26, 139-147.	7.8	25
50	Adjustable Robust Optimization for Planning Logistics Operations in Downstream Oil Networks. <i>Processes</i> , 2019, 7, 507.	2.8	6
51	Using Machine Learning for Enhancing the Understanding of Bullwhip Effect in the Oil and Gas Industry. <i>Machine Learning and Knowledge Extraction</i> , 2019, 1, 994-1012.	5.0	9
52	Mixed-integer linear programming approach for product design for life-cycle profit. <i>Computers and Industrial Engineering</i> , 2019, 137, 106079.	6.3	4
53	A model-based decision support framework for the optimisation of production planning in the biopharmaceutical industry. <i>Computers and Industrial Engineering</i> , 2019, 129, 354-367.	6.3	16
54	Supply Chain Resilience: An Optimisation Model to Identify the Relative Importance of SC Disturbances. <i>Springer Proceedings in Mathematics and Statistics</i> , 2019, , 189-198.	0.2	2

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55	Assessment and optimization of sustainable forest wood supply chains – A systematic literature review. <i>Forest Policy and Economics</i> , 2019, 105, 112-135.	3.4	45
56	A supporting framework for maintenance capacity planning and scheduling: Development and application in the aircraft MRO industry. <i>International Journal of Production Economics</i> , 2019, 218, 1-15.	8.9	24
57	Decomposition approaches for the design and scheduling of multiproduct multistage batch plants with parallel lines. <i>Computers and Chemical Engineering</i> , 2019, 127, 111-126.	3.8	6
58	Towards an Integrated Framework for Aerospace Supply Chain Sustainability. <i>Springer Proceedings in Mathematics and Statistics</i> , 2019, , 1-13.	0.2	3
59	Dynamic Approaches to Solve the Smart Waste Collection Routing Problem. <i>Springer Proceedings in Mathematics and Statistics</i> , 2019, , 173-188.	0.2	1
60	Describing and organizing green practices in the context of Green Supply Chain Management: Case studies. <i>Resources, Conservation and Recycling</i> , 2019, 145, 1-10.	10.8	55
61	Integrating Simulation and Optimization for Process Planning and Scheduling Problems. <i>Computer Aided Chemical Engineering</i> , 2019, , 1441-1446.	0.5	4
62	Design and Planning Supply Chains with Beneficial Societal Goals. <i>Computer Aided Chemical Engineering</i> , 2019, 47, 439-444.	0.5	1
63	Green Supply Chain: Integrating Financial Risk Measures while Monetizing Environmental Impacts. <i>Computer Aided Chemical Engineering</i> , 2019, 46, 1549-1554.	0.5	5
64	Integrating harvesting decisions in the design of agro-food supply chains. <i>European Journal of Operational Research</i> , 2019, 276, 247-258.	5.7	73
65	A multi-objective matheuristic for designing and planning sustainable supply chains. <i>Computers and Industrial Engineering</i> , 2019, 135, 1203-1223.	6.3	24
66	Effectiveness of extended producer responsibility policies implementation: The case of Portuguese and Spanish packaging waste systems. <i>Journal of Cleaner Production</i> , 2019, 210, 217-230.	9.3	56
67	Valuing data in aircraft maintenance through big data analytics: A probabilistic approach for capacity planning using Bayesian networks. <i>Computers and Industrial Engineering</i> , 2019, 128, 920-936.	6.3	31
68	On risk management of a two-stage stochastic mixed 0-1 model for the closed-loop supply chain design problem. <i>European Journal of Operational Research</i> , 2019, 274, 91-107.	5.7	56
69	A Column Generation-Based Diving Heuristic for Staff Scheduling at an Emergency Medical Service. <i>Springer Proceedings in Mathematics and Statistics</i> , 2019, , 233-245.	0.2	0
70	A stochastic environmental model to deal with uncertainty in life cycle impact assessment. <i>Computer Aided Chemical Engineering</i> , 2019, 46, 1543-1548.	0.5	0
71	Integrating decisions of product and closed-loop supply chain design under uncertain return flows. <i>Computers and Chemical Engineering</i> , 2018, 112, 211-238.	3.8	34
72	The smart waste collection routing problem: Alternative operational management approaches. <i>Expert Systems With Applications</i> , 2018, 103, 146-158.	7.6	79

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73	Green Supply Chain Design and Planning: The Importance of Decision Integration in Optimization Models. Springer Proceedings in Mathematics and Statistics, 2018, , 249-257.	0.2	1
74	A Decomposition Approach for the Long-Term Scheduling of a Single-Source Multiproduct Pipeline Network. Springer Proceedings in Mathematics and Statistics, 2018, , 235-248.	0.2	3
75	A matheuristic decomposition approach for the scheduling of a single-source and multiple destinations pipeline system. European Journal of Operational Research, 2018, 268, 665-687.	5.7	23
76	An integrated approach for production lot sizing and raw material purchasing. European Journal of Operational Research, 2018, 269, 923-938.	5.7	26
77	Quantitative indicators for social sustainability assessment of supply chains. Journal of Cleaner Production, 2018, 180, 748-768.	9.3	138
78	OVAP: A strategy to implement partial information sharing among supply chain retailers. Transportation Research, Part E: Logistics and Transportation Review, 2018, 110, 122-136.	7.4	35
79	Multiproduct pipeline scheduling integrating for inbound and outbound inventory management. Computers and Chemical Engineering, 2018, 115, 377-396.	3.8	21
80	Sustainable supply chains: An integrated modeling approach under uncertainty. Omega, 2018, 77, 32-57.	5.9	123
81	Opportunities and challenges in sustainable supply chain: An operations research perspective. European Journal of Operational Research, 2018, 268, 399-431.	5.7	262
82	Stochastic programming approach for the optimal tactical planning of the downstream oil supply chain. Computers and Chemical Engineering, 2018, 108, 314-336.	3.8	55
83	Effective bullwhip metrics for multi-echelon distribution systems under order batching policies with cyclic demand. International Journal of Production Research, 2018, 56, 1593-1619.	7.5	10
84	Information sharing in supply chains with heterogeneous retailers. Omega, 2018, 79, 116-132.	5.9	49
85	Supply Chain Resilience: Definitions and quantitative modelling approaches – A literature review. Computers and Industrial Engineering, 2018, 115, 109-122.	6.3	231
86	HOW TO DESIGN AND PLAN SUSTAINABLE SUPPLY CHAINS THROUGH OPTIMIZATION MODELS?. Pesquisa Operacional, 2018, 38, 363-388.	0.4	12
87	Simulation-Optimization Approach for the Decision-Support on the Planning and Scheduling of Automated Assembly Lines. , 2018, , .		3
88	Risk assessment for the design and scheduling optimization of periodic multipurpose batch plants under demand uncertainty. Computer Aided Chemical Engineering, 2018, 43, 991-996.	0.5	2
89	Network formulations for the design and scheduling of multiproduct batch plants with parallel lines. Computer Aided Chemical Engineering, 2018, 43, 1165-1170.	0.5	0
90	Oil product distribution planning via robust optimization. Computer Aided Chemical Engineering, 2018, 43, 949-954.	0.5	1

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91	Scheduling of a Multiproduct and Multiple Destinations Pipeline System with Repumping Operations. Computer Aided Chemical Engineering, 2018, 43, 931-936.	0.5	0
92	Sustainable Supply Chain: Monetization of Environmental Impacts. Computer Aided Chemical Engineering, 2018, 43, 773-778.	0.5	5
93	Life cycle assessment of pulp and paper production – A Portuguese case study. Computer Aided Chemical Engineering, 2018, 43, 809-814.	0.5	3
94	Modelling and Analysing Supply Chain Resilience Flow Complexity. Computer Aided Chemical Engineering, 2018, 43, 815-820.	0.5	6
95	Challenges and Perspectives of Process Systems Engineering in Supply Chain Management. Computer Aided Chemical Engineering, 2018, 44, 87-96.	0.5	7
96	Integrated staff scheduling at a medical emergency service: An optimisation approach. Expert Systems With Applications, 2018, 112, 62-76.	7.6	19
97	Waste Collection Planning Based on Real-Time Information. Springer Proceedings in Mathematics and Statistics, 2018, , 325-337.	0.2	1
98	Design and Planning of Sustainable Supply Chains: The Case Study of a Tissue Paper Business. Springer Proceedings in Mathematics and Statistics, 2018, , 411-421.	0.2	0
99	Sustainable batch process retrofit design under uncertainty – An integrated methodology. Computers and Chemical Engineering, 2017, 102, 226-237.	3.8	4
100	A simulation-optimization approach to integrate process design and planning decisions under technical and market uncertainties: A case from the chemical-pharmaceutical industry. Computers and Chemical Engineering, 2017, 106, 796-813.	3.8	19
101	Production and maintenance planning optimisation in biopharmaceutical processes under performance decay using a continuous-time formulation: A multi-objective approach. Computers and Chemical Engineering, 2017, 107, 111-139.	3.8	26
102	Order-up-to-level policy update procedure for a supply chain subject to market demand uncertainty. Computers and Industrial Engineering, 2017, 113, 347-355.	6.3	17
103	Optimising Sustainable Supply Chains: A Summarised View of Current and Future Perspectives. Lecture Notes in Logistics, 2017, , 1-11.	0.8	2
104	Designing Integrated Biorefineries Supply Chain: Combining Stochastic Programming Models with Scenario Reduction Methods. Computer Aided Chemical Engineering, 2017, 40, 901-906.	0.5	2
105	Sustainable supply chain design and planning: the importance of life cycle scope definition. Computer Aided Chemical Engineering, 2017, 40, 541-546.	0.5	2
106	Stochastic Modeling Approach for Downstream Oil Supply Chain. Computer Aided Chemical Engineering, 2017, , 1339-1344.	0.5	2
107	CLSC design with simultaneous consideration of product design for manufacturing and remanufacturing. Computer Aided Chemical Engineering, 2017, 40, 1453-1458.	0.5	4
108	Quantitative indicators for social sustainability assessment of society and product responsibility aspects in supply chains. Journal of International Studies, 2017, 10, 9-36.	1.9	23

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109	Challenges and Opportunities in Sustainable Supply Chains. Computer Aided Chemical Engineering, 2016, 38, 2409.	0.5	0
110	Optimization and Monte Carlo Simulation for Product Launch Planning under Uncertainty. Computer Aided Chemical Engineering, 2016, , 421-426.	0.5	0
111	Robust Optimization for Petroleum Supply Chain Collaborative Design and Planning. Computer Aided Chemical Engineering, 2016, , 1569-1574.	0.5	4
112	Multimodal Green Food Supply Chain Design and Planning under Uncertainty. Computer Aided Chemical Engineering, 2016, 38, 181-186.	0.5	6
113	Framework for assessing social sustainability in supply chains. Computer Aided Chemical Engineering, 2016, , 2019-2024.	0.5	3
114	Optimal planning and campaign scheduling of biopharmaceutical processes using a continuous-time formulation. Computers and Chemical Engineering, 2016, 91, 422-444.	3.8	16
115	Downstream oil supply chain management: A critical review and future directions. Computers and Chemical Engineering, 2016, 92, 78-92.	3.8	59
116	Design and Planning of Closed-Loop Supply Chains: A Risk-Averse Multistage Stochastic Approach. Industrial & Engineering Chemistry Research, 2016, 55, 6236-6249.	3.7	23
117	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.	0.5	2
118	The Wicked Character of Sustainable Supply Chain Management: Evidence from Sustainability Reports. Business Strategy and the Environment, 2016, 25, 449-477.	14.3	55
119	Optimization of Production Scheduling in the Mould Making Industry. Lecture Notes in Economics and Mathematical Systems, 2016, , 165-174.	0.3	0
120	Research challenges in municipal solid waste logistics management. Waste Management, 2016, 48, 584-592.	7.4	167
121	A multi-objective meta-heuristic approach for the design and planning of green supply chains - MBSA. Expert Systems With Applications, 2016, 47, 71-84.	7.6	31
122	Supplier selection in the processed food industry under uncertainty. European Journal of Operational Research, 2016, 252, 801-814.	5.7	102
123	The Influence of Corporate Social Responsibility on Economic Performance Within Supply Chain Planning. Lecture Notes in Economics and Mathematical Systems, 2016, , 151-156.	0.3	1
124	Evaluating Supply Chain Resilience Under Different Types of Disruption. Lecture Notes in Economics and Mathematical Systems, 2016, , 123-129.	0.3	1
125	Integrating financial risk measures into the design and planning of closed-loop supply chains. Computers and Chemical Engineering, 2016, 85, 105-123.	3.8	52
126	Moving towards an equitable long-term care network: A multi-objective and multi-period planning approach. Omega, 2016, 58, 69-85.	5.9	29

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127	Supply chain. , 2015, , .		0
128	Introducing health gains in location-allocation models: A stochastic model for planning the delivery of long-term care. Journal of Physics: Conference Series, 2015, 616, 012007.	0.4	1
129	Downstream Petroleum Supply Chain Planning under Uncertainty. Computer Aided Chemical Engineering, 2015, 37, 1889-1894.	0.5	8
130	Supply chain design and planning accounting for the Triple Bottom Line. Computer Aided Chemical Engineering, 2015, 37, 1841-1846.	0.5	4
131	A Metaheuristic for Solving Large-Scale Two-Stage Stochastic Mixed 0-1 Programs with the Time Stochastic Dominance Risk Averse Strategy. Computer Aided Chemical Engineering, 2015, 37, 857-862.	0.5	0
132	Bullwhip effect metrics for multi-echelon systems under order batching policies with cyclic demand. , 2015, , .		2
133	Performance metrics for a supply chain subject to stochastic demand. , 2015, , .		1
134	Green supply chain design and planning. , 2015, , .		2
135	Risk measures in a multi-stage stochastic supply chain approach. , 2015, , .		0
136	Designing closed-loop supply chains with nonlinear dimensioning factors using ant colony optimization. Soft Computing, 2015, 19, 2245-2264.	3.6	14
137	On the complexity of production planning and scheduling in the pharmaceutical industry: the Delivery Trade-offs Matrix. Computer Aided Chemical Engineering, 2015, 37, 1865-1870.	0.5	4
138	Optimization of Production Planning and Scheduling in the Ice Cream Industry. Computer Aided Chemical Engineering, 2015, 37, 2231-2236.	0.5	8
139	An integrated approach for planning a long-term care network with uncertainty, strategic policy and equity considerations. European Journal of Operational Research, 2015, 247, 321-334.	5.7	36
140	Planning of a multiproduct pipeline integrating blending and distribution. Computer Aided Chemical Engineering, 2015, 37, 1847-1852.	0.5	0
141	Resilience metrics in the assessment of complex supply-chains performance operating under demand uncertainty. Omega, 2015, 56, 53-73.	5.9	156
142	Design and Planning of Sustainable Supply Chains. Computer Aided Chemical Engineering, 2015, 36, 333-353.	0.5	4
143	Supply chain optimization of residual forestry biomass for bioenergy production: The case study of Portugal. Biomass and Bioenergy, 2015, 83, 245-256.	5.7	69
144	Petroleum Supply Chain Network Design and Tactical Planning with Demand Uncertainty. Studies in Big Data, 2015, , 59-66.	1.1	3

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145	The effect of Inventory Record Inaccuracy in Information Exchange Supply Chains. <i>European Journal of Operational Research</i> , 2015, 243, 120-129.	5.7	59
146	Towards supply chain sustainability: economic, environmental and social design and planning. <i>Journal of Cleaner Production</i> , 2015, 105, 14-27.	9.3	313
147	Location“allocation approaches for hospital network planning under uncertainty. <i>European Journal of Operational Research</i> , 2015, 240, 791-806.	5.7	107
148	Optimization of a Recyclable Waste Collection System - The Valorsul Case Study. <i>Studies in Big Data</i> , 2015, , 97-105.	1.1	2
149	Periodic Versus Non-periodic Multipurpose Batch Plant Scheduling: A Paint Industry Case Study. <i>CIM Series in Mathematical Sciences</i> , 2015, , 445-465.	0.4	0
150	Modeling Inter-sector Health Policy Options and Health Gains in a Long-term Care Network: A Location-Allocation Stochastic Planning Approach. <i>Studies in Big Data</i> , 2015, , 23-31.	1.1	3
151	Process Supply Chains Management ““ Where are We? Where to Go Next?. <i>Frontiers in Energy Research</i> , 2014, 2, .	2.3	8
152	Supply Chain Design towards sustainability. <i>Computer Aided Chemical Engineering</i> , 2014, 34, 789-794.	0.5	5
153	How to assess social aspects in supply chains?. <i>Computer Aided Chemical Engineering</i> , 2014, , 801-806.	0.5	7
154	Decision Support Tool for Strategic Planning in Supply Chains. <i>Computer Aided Chemical Engineering</i> , 2014, 33, 895-900.	0.5	0
155	Energy from Lignocellulosic Biomass: Supply Chain Modeling to Maximize Net Energy Production. <i>Computer Aided Chemical Engineering</i> , 2014, , 481-486.	0.5	1
156	Solution Methodology for Scheduling Problems in Batch Plants. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 19265-19281.	3.7	15
157	Optimal Scheduling of Multi-stage Multi-product Biopharmaceutical Processes Using a Continuoustime Formulation. <i>Computer Aided Chemical Engineering</i> , 2014, 33, 301-306.	0.5	2
158	A MILP (Mixed Integer Linear Programming) decomposition solution to the scheduling of heavy oil derivatives in a real-world pipeline. <i>Computers and Chemical Engineering</i> , 2014, 66, 124-138.	3.8	10
159	Multi-period design and planning of closed-loop supply chains with uncertain supply and demand. <i>Computers and Chemical Engineering</i> , 2014, 66, 151-164.	3.8	152
160	Optimal investment and scheduling of distributed energy resources with uncertainty in electric vehicle driving schedules. <i>Energy</i> , 2014, 64, 17-30.	8.8	93
161	Simultaneous regular and non-regular production scheduling of multipurpose batch plants: A real chemical“pharmaceutical case study. <i>Computers and Chemical Engineering</i> , 2014, 67, 83-102.	3.8	28
162	Planning a sustainable reverse logistics system: Balancing costs with environmental and social concerns. <i>Omega</i> , 2014, 48, 60-74.	5.9	162

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163	An IT-enabled supply chain model: a simulation study. <i>International Journal of Systems Science</i> , 2014, 45, 2327-2341.	5.5	27
164	Collaborative Design and Tactical Planning of Downstream Petroleum Supply Chains. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 17155-17181.	3.7	18
165	Combining Supplier Selection and Production-Distribution Planning in Food Supply Chains. <i>Computer Aided Chemical Engineering</i> , 2014, 33, 409-414.	0.5	4
166	Multi-Objective Meta-Heuristic Approach supported by an Improved Local Search Strategy for the Design and Planning of Supply Chain Networks. <i>Computer Aided Chemical Engineering</i> , 2014, 33, 313-318.	0.5	3
167	Resilience assessment of supply chains under different types of disruption. <i>Computer Aided Chemical Engineering</i> , 2014, 34, 759-764.	0.5	13
168	Assessing and improving management practices when planning packaging waste collection systems. <i>Resources, Conservation and Recycling</i> , 2014, 85, 116-129.	10.8	18
169	Network Design and Planning of Resilient Supply Chains. <i>Computer Aided Chemical Engineering</i> , 2014, 33, 1219-1224.	0.5	1
170	Economic and environmental concerns in planning recyclable waste collection systems. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2014, 62, 34-54.	7.4	35
171	Framework to Batch Process Retrofit - A Continuous Improvement Approach. <i>Computer Aided Chemical Engineering</i> , 2014, 33, 1357-1362.	0.5	1
172	Metrics for bullwhip effect analysis. <i>Journal of the Operational Research Society</i> , 2013, 64, 1-16.	3.4	81
173	An application of a multi-agent auction-based protocol to the tactical planning of oil product transport in the Brazilian multimodal network. <i>Computers and Chemical Engineering</i> , 2013, 59, 17-32.	3.8	15
174	Modeling Integrated Biorefinery Supply Chains. <i>Computer Aided Chemical Engineering</i> , 2013, , 79-84.	0.5	9
175	Reactive scheduling in a make-to-order flexible job shop with re-entrant process and assembly: a mathematical programming approach. <i>International Journal of Production Research</i> , 2013, 51, 5120-5141.	7.5	48
176	Strategic network design of downstream petroleum supply chains: Single versus multi-entity participation. <i>Chemical Engineering Research and Design</i> , 2013, 91, 1557-1587.	5.6	60
177	Comparing models for lot-sizing and scheduling of single-stage continuous processes: Operations research and process systems engineering approaches. <i>Computers and Chemical Engineering</i> , 2013, 52, 177-192.	3.8	16
178	Design and planning of supply chains with integration of reverse logistics activities under demand uncertainty. <i>European Journal of Operational Research</i> , 2013, 226, 436-451.	5.7	212
179	Integrated scheduling and inventory management of an oil products distribution system. <i>Omega</i> , 2013, 41, 955-968.	5.9	52
180	Microgrid reliability modeling and battery scheduling using stochastic linear programming. <i>Electric Power Systems Research</i> , 2013, 103, 61-69.	3.6	121

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