

Fernando Daniel Mele

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

1,196
citations

471371

17
h-index

377752

34
g-index

52
all docs

52
docs citations

52
times ranked

1044
citing authors

#	ARTICLE	IF	CITATIONS
1	Life cycle assessment of the Argentine lemon and its derivatives in a circular economy context. Sustainable Production and Consumption, 2022, 29, 672-684.	5.7	13
2	Water footprint of lemon production in Argentina. Science of the Total Environment, 2022, 816, 151614.	3.9	2
3	Life cycle assessment of bioenergy from lignocellulosic herbaceous biomass: The case study of <i>Spartina argentinensis</i> . Energy, 2022, 254, 124215.	4.5	9
4	Optimal Design of Sugar-Cane-Based Biorefinery Networks in Argentina. ACS Sustainable Chemistry and Engineering, 2022, 10, 7916-7928.	3.2	2
5	Simplified targeting models for Sustainable Supply Chains retrofitting in process industries. Computer Aided Chemical Engineering, 2021, 50, 1833-1839.	0.3	0
6	An optimization approach for the design and planning of the oil palm supply chain in Colombia. Computers and Chemical Engineering, 2021, 146, 107208.	2.0	8
7	Water footprint assessment of lemon and its derivatives in Argentina: a case study in the province of Tucum�n. International Journal of Life Cycle Assessment, 2021, 26, 1505-1519.	2.2	7
8	Designing biomass supply chains within planetary boundaries. AIChE Journal, 2021, 67, e17131.	1.8	15
9	A municipal solid waste indicator for environmental impact: Assessment and identification of best management practices. Journal of Cleaner Production, 2020, 242, 118433.	4.6	65
10	Supply Chain Design Optimization within Planetary Boundaries. Computer Aided Chemical Engineering, 2020, , 1489-1494.	0.3	2
11	Analytical framework and data for a municipal solid waste environmental performance assessment. Data in Brief, 2020, 28, 105085.	0.5	5
12	Optimal design and planning multi resource-based energy integration in process industries. Computer Aided Chemical Engineering, 2019, 46, 1075-1080.	0.3	0
13	Sugarcane water footprint in the province of Tucum�n, Argentina. Comparison between different management practices. Journal of Cleaner Production, 2018, 188, 521-529.	4.6	17
14	Combining multi-attribute decision-making methods with multi-objective optimization in the design of biomass supply chains. Computers and Chemical Engineering, 2018, 113, 11-31.	2.0	40
15	Economic and environmental benefits of waste-based energy closed-loop integration in process industries under uncertainty. Computer Aided Chemical Engineering, 2018, 43, 501-506.	0.3	3
16	A comparative life cycle assessment of the sugarcane value chain in the province of Tucum�n (Argentina) considering different technology levels. International Journal of Life Cycle Assessment, 2017, 22, 502-515.	2.2	18
17	MINLP-based Analytic Hierarchy Process to simplify multi-objective problems: Application to the design of biofuels supply chains using on field surveys. Computers and Chemical Engineering, 2017, 102, 64-80.	2.0	22
18	Multi-objective Optimisation Incorporating Life Cycle Assessment. A Case Study of Biofuels Supply Chain Design. , 2016, , 465-492.		1

#	ARTICLE	IF	CITATIONS
19	Life cycle assessment of fuel ethanol from sugarcane in Argentina. <i>International Journal of Life Cycle Assessment</i> , 2013, 18, 1344-1357.	2.2	45
20	Comparing the Performances of Two Techniques for the Optimization Under Parametric Uncertainty of the Simultaneous Design and Planning of a Multiproduct Batch Plant. <i>Iberoamerican Journal of Industrial Engineering</i> , 2013, 5, 43-54.	0.0	0
21	Determination of storage tanks location for optimal short-term scheduling in multipurpose/multiproduct batch-continuous plants under uncertainties. <i>Annals of Operations Research</i> , 2012, 199, 225-247.	2.6	5
22	Identifying Key Life Cycle Assessment Metrics in the Multiobjective Design of Bioethanol Supply Chains Using a Rigorous Mixed-Integer Linear Programming Approach. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 5282-5291.	1.8	34
23	Design and planning of infrastructures for bioethanol and sugar production under demand uncertainty. <i>Chemical Engineering Research and Design</i> , 2012, 90, 359-376.	2.7	90
24	Objective reduction in multi-criteria optimization of integrated bioethanol-sugar supply chains. <i>Computer Aided Chemical Engineering</i> , 2012, 30, 1-5.	0.3	3
25	Design and Planning of the Bioethanol Supply Chain Via Simulation-Based Optimization: The Case of Argentina. <i>Iberoamerican Journal of Industrial Engineering</i> , 2012, 4, 97-110.	0.0	2
26	Multiobjective Model for More Sustainable Fuel Supply Chains. A Case Study of the Sugar Cane Industry in Argentina. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 4939-4958.	1.8	142
27	Simulation-based Dynamic Optimization under Uncertainty of an Industrial Biological Process. <i>Computer Aided Chemical Engineering</i> , 2011, , 808-812.	0.3	0
28	A novel rolling horizon strategy for the strategic planning of supply chains. Application to the sugar cane industry of Argentina. <i>Computers and Chemical Engineering</i> , 2011, 35, 2540-2563.	2.0	48
29	Multi-objective optimization of integrated bioethanol-sugar supply chains considering different LCA metrics simultaneously. <i>Computer Aided Chemical Engineering</i> , 2011, 29, 1276-1280.	0.3	3
30	A bi-criterion optimization approach for the design and planning of hydrogen supply chains for vehicle use. <i>AIChE Journal</i> , 2010, 56, 650-667.	1.8	43
31	Integrating pricing policies in the strategic planning of supply chains: A case study of the sugar cane industry in Argentina. <i>Computer Aided Chemical Engineering</i> , 2010, , 103-108.	0.3	7
32	Optimal Planning of the Sustainable Supply Chain for Sugar and Bioethanol Production. <i>Computer Aided Chemical Engineering</i> , 2009, 27, 597-602.	0.3	5
33	Optimal Planning of Supply Chains for Bioethanol and Sugar Production with Economic and Environmental Concerns. <i>Computer Aided Chemical Engineering</i> , 2009, , 997-1002.	0.3	33
34	Metaheuristic multiobjective optimisation approach for the scheduling of multiproduct batch chemical plants. <i>Journal of Cleaner Production</i> , 2008, 16, 233-244.	4.6	19
35	An agent-based approach for supply chain retrofitting under uncertainty. <i>Computers and Chemical Engineering</i> , 2007, 31, 722-735.	2.0	48
36	Addressing the Design of Chemical Supply Chains under Demand Uncertainty. <i>Industrial & Engineering Chemistry Research</i> , 2006, 45, 7566-7581.	1.8	37

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37	Supply Chain Management through Dynamic Model Parameters Optimization. Industrial & Engineering Chemistry Research, 2006, 45, 1708-1721.	1.8	16
38	A Simulation-Based Optimization Framework for Parameter Optimization of Supply-Chain Networks. Industrial & Engineering Chemistry Research, 2006, 45, 3133-3148.	1.8	60
39	Modeling of Purchase and Sales Contracts in Supply Chain Optimization. Industrial & Engineering Chemistry Research, 2006, 45, 5013-5026.	1.8	36
40	A novel combined approach for supply chain modeling and analysis. Computer Aided Chemical Engineering, 2006, , 2207-2212.	0.3	0
41	Addressing the design of chemical supply chains under demand uncertainty. Computer Aided Chemical Engineering, 2006, 21, 1095-1100.	0.3	5
42	Modeling of Purchase and Sales Contracts in Supply Chain Optimization. , 2006, , .		1
43	Event-based approach for supply chain fault analysis. Computer Aided Chemical Engineering, 2005, , 1261-1266.	0.3	4
44	Multiobjective supply chain design under uncertainty. Chemical Engineering Science, 2005, 60, 1535-1553.	1.9	261
45	Supply chain monitoring: a statistical approach. Computer Aided Chemical Engineering, 2005, 20, 1375-1380.	0.3	7
46	An agent-based approach for supply chain retrofitting under uncertainty. Computer Aided Chemical Engineering, 2005, , 1555-1560.	0.3	1
47	Supply chain management through a combined simulation-optimisation approach. Computer Aided Chemical Engineering, 2005, , 1405-1410.	0.3	3
48	Management of financial and consumer satisfaction risks in supply chain design. Computer Aided Chemical Engineering, 2003, 14, 419-424.	0.3	3
49	Financial risk control in a discrete event supply chain. Computer Aided Chemical Engineering, 2003, 14, 479-484.	0.3	4
50	Optimal Design and planning supply chains of multi renewable resource-based energy/material applied in process industries. , 0, , .		1