Jose Ezequiel SantibaÃ'ez-Aguilar

List of Publications by Year
in descending order

46	1,028	516561	434063
papers	citations	16	31
		h-index	g-index

46	46	46	1033
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Marginalization index as social measure for Acetone-Butanol-Ethanol supply chain planning. Renewable and Sustainable Energy Reviews, 2022, 154, 111816.	8.2	3
2	A Coordinated Framework for the Optimization of Municipal Solid Waste Management. Computer Aided Chemical Engineering, 2021, 50, 1409-1414.	0.3	0
3	Design of domestic photovoltaics manufacturing systems under global constraints and uncertainty. Renewable Energy, 2020, 148, 1174-1189.	4.3	10
4	GIS-based modeling of residual biomass availability for energy and production in Mexico. Renewable and Sustainable Energy Reviews, 2020, 120, 109610.	8.2	41
5	Optimization of municipal solid waste management using a coordinated framework. Waste Management, 2020, 115, 15-24.	3.7	13
6	Sequential Use of Geographic Information System and Mathematical Programming for Optimal Planning for Energy Production Systems from Residual Biomass. Industrial & Engineering Chemistry Research, 2019, 58, 15818-15837.	1.8	17
7	Environmental Aspects in the Strategic Planning of a Biomass Conversion System. , 2019, , 9-27.		0
8	Mixed-Integer Dynamic Optimization for Planning Distributed Biorefineries. , 2019, , 219-257.		0
9	Optimal Planning and Site Selection for Distributed Multiproduct Biorefineries Involving Economic, Environmental, and Social Objectives. , 2019, , 29-77.		0
10	Distributed Biorefining Networks for the Value-Added Processing of Water Hyacinth. , 2019, , 79-113.		0
11	Optimization of the Supply Chain Associated to the Production of Bioethanol From Residues of Agave From the Tequila Process in Mexico. , 2019, , 115-146.		0
12	Stochastic Design of Biorefinery Supply Chains Considering Economic and Environmental Objectives. , 2019, , 177-217.		0
13	Novel Approach for Weighting in the Geographic Information System Focused on a Multistakeholder Problem: Case for the Residual Biomass Processing System. Industrial & Engineering Chemistry Research, 2019, 58, 23249-23260.	1.8	5
14	Design of Photovoltaics-Based Manufacturing System Using Computer-Aided Design. , 2019, , 75-88.		0
15	Facilities Location for Residual Biomass Production System Using Geographic Information System under Uncertainty. ACS Sustainable Chemistry and Engineering, 2018, 6, 3331-3348.	3.2	19
16	Sustainable silicon photovoltaics manufacturing in a global market: A techno-economic, tariff and transportation framework. Applied Energy, 2018, 212, 704-719.	5.1	17
17	Global sustainable silicon photovoltaics manufacturing: a technoeconomic, tariff and transportation framework with an applied case for Mexico. , 2018, , .		0
18	Strategic planning for managing municipal solid wastes with consideration of multiple stakeholders. Computer Aided Chemical Engineering, 2018, , 1597-1602.	0.3	4

#	ARTICLE	IF	CITATIONS
19	Analysis of the financial risk under uncertainty in the municipal solid waste management involving multiple stakeholders. Computers and Chemical Engineering, 2018, 117, 433-450.	2.0	15
20	A Multistakeholder Approach for the Optimal Planning of Sustainable Energy Systems. ACS Sustainable Chemistry and Engineering, 2018, 6, 9451-9460.	3.2	10
21	Optimal Design of Energy Systems Involving Pollution Trading through Forest Plantations. ACS Sustainable Chemistry and Engineering, 2017, 5, 2585-2604.	3.2	16
22	Strategic Planning for Managing Municipal Solid Wastes with Consideration of Multiple Stakeholders. ACS Sustainable Chemistry and Engineering, 2017, 5, 10744-10762.	3.2	28
23	Dynamic optimization for the planning of a waste management system involving multiple cities. Journal of Cleaner Production, 2017, 165, 190-203.	4.6	17
24	Mathematical optimization of a supply chain for the production of fuel pellets from residual biomass. Clean Technologies and Environmental Policy, 2017, 19, 721-734.	2.1	11
25	Dynamic Optimization and Control Strategy for the Planning of a Waste Management System involving Multiple Cities. Computer Aided Chemical Engineering, 2017, 40, 1291-1296.	0.3	0
26	Integral System to Determine Feasible Regions for Biomass Utilization. Computer Aided Chemical Engineering, 2017, 40, 1891-1896.	0.3	0
27	Optimal Planning of a Solar Cells Manufacturing System involving Economic Aspects. Computer Aided Chemical Engineering, 2017, , 1279-1284.	0.3	0
28	Optimal planning of energy production involving carbon capture systems through a multi-stakeholder scheme. Computer Aided Chemical Engineering, 2017, 40, 1315-1320.	0.3	0
29	Mathematical Optimization of the Production of Fuel Pellets from Residual Biomass. Computer Aided Chemical Engineering, 2016, , 133-138.	0.3	3
30	Optimal Planning of Distributed Systems of Refineries and Biorefineries Considering Pollution Trading with Forest Plantations. Computer Aided Chemical Engineering, 2016, 38, 1099-1104.	0.3	2
31	Stochastic design of biorefinery supply chains considering economic and environmental objectives. Journal of Cleaner Production, 2016, 136, 224-245.	4.6	64
32	Financial Risk Assessment and Optimal Planning of Biofuels Supply Chains under Uncertainty. Bioenergy Research, 2016, 9, 1053-1069.	2.2	31
33	Optimal design of residential cogeneration systems under uncertainty. Computers and Chemical Engineering, 2016, 88, 86-102.	2.0	27
34	Supply Chains and Optimization for Biorefineries. Computer Aided Chemical Engineering, 2015, 36, 475-497.	0.3	5
35	Optimal planning for the reuse of municipal solid waste considering economic, environmental, and safety objectives. AICHE Journal, 2015, 61, 1881-1899.	1.8	32
36	A mixed-integer dynamic optimization approach for the optimal planning of distributed biorefineries. Computers and Chemical Engineering, 2015, 80, 37-62.	2.0	19

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37	Optimal design of domestic water-heating solar systems. Clean Technologies and Environmental Policy, 2015, 17, 637-656.	2.1	11
38	Optimization of the Supply Chain Associated to the Production of Bioethanol from Residues of Agave from the Tequila Process in Mexico. Industrial & Engineering Chemistry Research, 2014, 53, 5524-5538.	1.8	17
39	An Optimal Planning for the Reuse of Municipal Solid Waste Considering Economic, Environmental and Safety Objectives. Computer Aided Chemical Engineering, 2014, , 1027-1032.	0.3	3
40	Optimal planning and site selection for distributed multiproduct biorefineries involving economic, environmental and social objectives. Journal of Cleaner Production, 2014, 65, 270-294.	4.6	239
41	Optimal planning for the sustainable utilization of municipal solid waste. Waste Management, 2013, 33, 2607-2622.	3.7	149
42	Synthesis of Distributed Biorefining Networks for the Value-Added Processing of Water Hyacinth. ACS Sustainable Chemistry and Engineering, 2013, 1, 284-305.	3.2	38
43	Multi-objective optimization of absorption refrigeration systems involving renewable energy. Computer Aided Chemical Engineering, 2012, 30, 282-286.	0.3	0
44	Optimal Multi-Objective Planning of Distributed Biorefinery Systems Involving Economic, Environmental and Social Aspects. Computer Aided Chemical Engineering, 2012, 31, 470-474.	0.3	7
45	Optimal Planning of a Biomass Conversion System Considering Economic and Environmental Aspects. Industrial & Engineering Chemistry Research, 2011, 50, 8558-8570.	1.8	155
46	Optimal biorefinery planning considering simultaneously economic and environmental objectives. Computer Aided Chemical Engineering, 2011, 29, 1653-1657.	0.3	0