

Sandra Duni EkÅioÄlu

List of Publications by Year in descending order

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Version: 2024-02-01

59
papers

2,172
citations

279778

23
h-index

233409

45
g-index

61
all docs

61
docs citations

61
times ranked

1890
citing authors

#	ARTICLE	IF	CITATIONS
1	A discrete event simulation model for coordinating inventory management and material handling in hospitals. <i>Annals of Operations Research</i> , 2023, 320, 603-630.	4.1	7
2	Modeling and optimization of biomass quality variability for decision support systems in biomass supply chains. <i>Annals of Operations Research</i> , 2022, 314, 319-346.	4.1	13
3	Optimization models for integrated biorefinery operations. <i>Optimization Letters</i> , 2022, 16, 909-951.	1.6	2
4	Optimal Control of Biomass Feedstock Processing System Under Uncertainty in Biomass Quality. <i>IEEE Transactions on Automation Science and Engineering</i> , 2022, 19, 1645-1661.	5.2	0
5	Optimal control to handle variations in moisture content and reactor in-feed rate. <i>Energy</i> , 2022, 248, 123650.	8.8	2
6	Optimal governmental incentives for biomass cofiring to reduce emissions in the short-term. <i>IIEE Transactions</i> , 2021, 53, 883-896.	2.4	8
7	A biobjective chance constrained optimization model to evaluate the economic and environmental impacts of biopower supply chains. <i>Annals of Operations Research</i> , 2021, 296, 95-130.	4.1	11
8	A stochastic biomass blending problem in decentralized supply chains. <i>Naval Research Logistics</i> , 2021, 68, 434-453.	2.2	4
9	Contributions to sustainable bioenergy systems design, planning and operations. <i>IIEE Transactions</i> , 2021, 53, 843-844.	2.4	0
10	Designing a reliable electric vehicle charging station expansion under uncertainty. <i>International Journal of Production Economics</i> , 2021, 236, 108132.	8.9	10
11	Developing childhood vaccine administration and inventory replenishment policies that minimize open vial wastage. <i>Annals of Operations Research</i> , 2020, 292, 215-247.	4.1	7
12	Statistical estimation of operating reserve requirements using rolling horizon stochastic optimization. <i>Annals of Operations Research</i> , 2020, 292, 371-397.	4.1	7
13	Discrete element modeling of switchgrass particles under compression and rotational shear. <i>Biomass and Bioenergy</i> , 2020, 141, 105649.	5.7	22
14	Stochastic optimization models for joint pricing and inventory replenishment of perishable products. <i>Computers and Industrial Engineering</i> , 2019, 127, 625-642.	6.3	52
15	Stochastic Optimization for Energy Management in Power Systems With Multiple Microgrids. <i>IEEE Transactions on Smart Grid</i> , 2019, 10, 1068-1079.	9.0	40
16	Analyzing tax incentives for producing renewable energy by biomass cofiring. <i>IIEE Transactions</i> , 2018, 50, 332-344.	2.4	12
17	Heuristic algorithms for inventory replenishment with perishable products and multiple transportation modes. <i>IIEE Transactions</i> , 2018, 50, 345-365.	2.4	11
18	Tight Piecewise Convex Relaxations for Global Optimization of Optimal Power Flow. , 2018, , .		22

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19	Recycling procurement strategies with variable yield suppliers. <i>Annals of Operations Research</i> , 2017, 249, 215-234.	4.1	7
20	A multi-objective, hub-and-spoke model to design and manage biofuel supply chains. <i>Annals of Operations Research</i> , 2017, 249, 351-380.	4.1	50
21	Designing a Reliable and Dynamic Multimodal Transportation Network for Biofuel Supply Chains. <i>Transportation Science</i> , 2017, 51, 494-517.	4.4	51
22	Managing congestion in supply chains via dynamic freight routing: An application in the biomass supply chain. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2017, 99, 54-76.	7.4	31
23	Integrating biomass quality variability in stochastic supply chain modeling and optimization for large-scale biofuel production. <i>Journal of Cleaner Production</i> , 2017, 149, 904-918.	9.3	44
24	Optimization models to integrate production and transportation planning for biomass co-firing in coal-fired power plants. <i>IEE Transactions</i> , 2016, 48, 901-920.	2.1	20
25	A hybrid inventory policy with split delivery under regular and surge demand. <i>International Journal of Production Economics</i> , 2016, 172, 126-136.	8.9	25
26	Truck versus pipeline transportation cost analysis of wastewater sludge. <i>Transportation Research, Part A: Policy and Practice</i> , 2015, 74, 14-30.	4.2	26
27	A hybrid inventory management system responding to regular demand and surge demand. <i>Omega</i> , 2015, 52, 190-200.	5.9	34
28	Supply Chain Network Model for Biodiesel Production via Wastewaters from Paper and Pulp Companies. <i>Energy Systems</i> , 2015, , 143-162.	0.5	4
29	Environmentally Friendly Supply Chain Planning and Design for Biodiesel Production via Wastewater Sludge. <i>Transportation Science</i> , 2014, 48, 555-574.	4.4	77
30	Two-stage stochastic programming supply chain model for biodiesel production via wastewater treatment. <i>Computers and Operations Research</i> , 2014, 49, 1-17.	4.0	123
31	A supply chain network design model for biomass co-firing in coal-fired power plants. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2014, 61, 115-134.	7.4	75
32	Analyzing the impacts of carbon regulatory mechanisms on supplier and mode selection decisions: An application to a biofuel supply chain. <i>International Journal of Production Economics</i> , 2014, 154, 198-216.	8.9	111
33	Integrating multimodal transport into cellulosic biofuel supply chain design under feedstock seasonality with a case study based on California. <i>Bioresource Technology</i> , 2014, 152, 15-23.	9.6	82
34	Analyzing the impact of intermodal-related risk to the design and management of biofuel supply chain. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2014, 69, 122-145.	7.4	80
35	Estimating the variable cost for high-volume and long-haul transportation of densified biomass and biofuel. <i>Transportation Research, Part D: Transport and Environment</i> , 2014, 29, 40-55.	6.8	19
36	An Excel-Based Decision Support System for Supply Chain Design and Management of Biofuels. <i>International Journal of Operations Research and Information Systems</i> , 2014, 5, 26-43.	1.0	6

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37	Supply chain designs and management for biocrude production via wastewater treatment. Environmental Progress and Sustainable Energy, 2013, 32, 139-147.	2.3	12
38	Cost analysis for high-volume and long-haul transportation of densified biomass feedstock. Transportation Research, Part A: Policy and Practice, 2013, 49, 48-61.	4.2	45
39	Assessment of Potential Capacity Increases at Combined Heat and Power Facilities Based on Available Corn Stover and Forest Logging Residues. Energies, 2013, 6, 4418-4428.	3.1	5
40	Potential Capacities of Two Combined Heat and Power Plants Based on Available Corn Stover and Forest Logging Residue. , 2012, , .		0
41	Analyzing Impact of Intermodal Facilities on Design and Management of Biofuel Supply Chain. Transportation Research Record, 2010, 2191, 144-151.	1.9	66
42	Automotive distribution network design: a support system for transportation infrastructure decision makers. International Journal of Business and Systems Research, 2010, 4, 379.	0.3	1
43	Mode Selection for Automotive Distribution with Quantity Discounts. Networks and Spatial Economics, 2010, 10, 1-13.	1.6	15
44	Crane scheduling in a shipbuilding environment. International Journal of Production Economics, 2010, 124, 40-50.	8.9	20
45	Optimizing the use of public transit system during no-notice evacuation of urban areas. Computers and Industrial Engineering, 2010, 59, 488-495.	6.3	81
46	A Simulation Model to Analyze the Impact of Outsourcing on Furniture Supply Chain Performance. Forest Products Journal, 2010, 60, 258-265.	0.4	5
47	A simulation model of port operations during crisis conditions. , 2009, , .		3
48	A primal-dual algorithm for the economic lot-sizing problem with multi-mode replenishment. European Journal of Operational Research, 2009, 197, 93-101.	5.7	10
49	Analyzing the design and management of biomass-to-biorefinery supply chain. Computers and Industrial Engineering, 2009, 57, 1342-1352.	6.3	357
50	Cost-optimized real-time operation of CHP systems. Energy and Buildings, 2009, 41, 445-451.	6.7	102
51	A tabu search algorithm for the flowshop scheduling problem with changing neighborhoods. Computers and Industrial Engineering, 2008, 54, 1-11.	6.3	44
52	Integration of production sequencing and outbound logistics in the automotive industry. International Journal of Production Economics, 2008, 113, 766-774.	8.9	22
53	Operation of a CCHP System Using an Optimal Energy Dispatch Algorithm. , 2008, , .		5
54	A Lagrangean heuristic for integrated production and transportation planning problems in a dynamic, multi-item, two-layer supply chain. IIE Transactions, 2007, 39, 191-201.	2.1	41

#	ARTICLE	IF	CITATIONS
55	Cross-facility management of production and transportation planning problem. Computers and Operations Research, 2006, 33, 3231-3251.	4.0	52
56	An investigation of buffer sizing techniques in critical chain scheduling. European Journal of Operational Research, 2006, 172, 401-416.	5.7	165
57	Cross-Facility Production and Transportation Planning Problem with Perishable Inventory. Lecture Notes in Computer Science, 2006, , 708-717.	1.3	15
58	A Dynamic Slope Scaling Procedure for the Fixed-Charge Cost Multi-Commodity Network Flow Problem. Applied Optimization, 2002, , 247-270.	0.4	6
59	Simulation-optimization of automated material handling systems in a healthcare facility. IISE Transactions on Healthcare Systems Engineering, 0, , 1-22.	1.7	4