

# Sandra Duni EkÅioÄlu

## List of Publications by Year in descending order

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59  
papers

2,172  
citations

279798

23  
h-index

233421

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

#	ARTICLE	IF	CITATIONS
19	Recycling procurement strategies with variable yield suppliers. Annals of Operations Research, 2017, 249, 215-234.	4.1	7
20	A multi-objective, hub-and-spoke model to design and manage biofuel supply chains. Annals of Operations Research, 2017, 249, 351-380.	4.1	50
21	Designing a Reliable and Dynamic Multimodal Transportation Network for Biofuel Supply Chains. Transportation Science, 2017, 51, 494-517.	4.4	51
22	Managing congestion in supply chains via dynamic freight routing: An application in the biomass supply chain. Transportation Research, Part E: Logistics and Transportation Review, 2017, 99, 54-76.	7.4	31
23	Integrating biomass quality variability in stochastic supply chain modeling and optimization for large-scale biofuel production. Journal of Cleaner Production, 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. IIE Transactions, 2016, 48, 901-920.	2.1	20
25	A hybrid inventory policy with split delivery under regular and surge demand. International Journal of Production Economics, 2016, 172, 126-136.	8.9	25
26	Truck versus pipeline transportation cost analysis of wastewater sludge. Transportation Research, Part A: Policy and Practice, 2015, 74, 14-30.	4.2	26
27	A hybrid inventory management system responding to regular demand and surge demand. Omega, 2015, 52, 190-200.	5.9	34
28	Supply Chain Network Model for Biodiesel Production via Wastewaters from Paper and Pulp Companies. Energy Systems, 2015, , 143-162.	0.5	4
29	Environmentally Friendly Supply Chain Planning and Design for Biodiesel Production via Wastewater Sludge. Transportation Science, 2014, 48, 555-574.	4.4	77
30	Two-stage stochastic programming supply chain model for biodiesel production via wastewater treatment. Computers and Operations Research, 2014, 49, 1-17.	4.0	123
31	A supply chain network design model for biomass co-firing in coal-fired power plants. Transportation Research, Part E: Logistics and Transportation Review, 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. International Journal of Production Economics, 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. Bioresource Technology, 2014, 152, 15-23.	9.6	82
34	Analyzing the impact of intermodal-related risk to the design and management of biofuel supply chain. Transportation Research, Part E: Logistics and Transportation Review, 2014, 69, 122-145.	7.4	80
35	Estimating the variable cost for high-volume and long-haul transportation of densified biomass and biofuel. Transportation Research, Part D: Transport and Environment, 2014, 29, 40-55.	6.8	19
36	An Excel-Based Decision Support System for Supply Chain Design and Management of Biofuels. International Journal of Operations Research and Information Systems, 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 primalâ€“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. IIE Transactions on Healthcare Systems Engineering, 0, , 1-22.	1.7	4