Wei Deng Solvang

List of Publications by Year
in descending order

56	882	840119 11	794141 19
papers	citations	h-index	g-index

57	57	57	828
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The application of Industry 4.0 technologies in sustainable logistics: a systematic literature review (2012â€“2020) to explore future research opportunities. Environmental Science and Pollution Research, 2022, 29, 9560-9591.	2.7	46
2	Industry 4.0 and Sustainable Supply Chain Management. Lecture Notes in Electrical Engineering, 2021, , 595-604.	0.3	3
3	A Simulation-Based Approach for Improving the Performance of a Manufacturing System. , 2021, , .		2
4	Solving a Real-World Urban Postal Service System Redesign Problem. Scientific Programming, 2021, 2021, 1-17.	0.5	5
5	Integrating Additive Manufacturing into a Virtual Industry 4.0 Factory. Lecture Notes in Electrical Engineering, 2021, , 587-594.	0.3	7
6	A stochastic network design problem for hazardous waste management. Journal of Cleaner Production, 2020, 277, 123566.	4.6	52
7	A fuzzy-stochastic multi-objective model for sustainable planning of a closed-loop supply chain considering mixed uncertainty and network flexibility. Journal of Cleaner Production, 2020, 266, 121702.	4.6	56
8	Reverse Logistics Network Design for Effective Management of Medical Waste in Epidemic Outbreaks: Insights from the Coronavirus Disease 2019 (COVID-19) Outbreak in Wuhan (China). International Journal of Environmental Research and Public Health, 2020, 17, 1770.	1.2	228
9	Challenges of Industry 4.0 in SME businesses. , 2020, , .		6
10	Proactive Learning for Intelligent Maintenance in Industry 4.0. Lecture Notes in Electrical Engineering, 2020, , 250-257.	0.3	2
11	An Introduction of the Role of Virtual Technologies and Digital Twin in Industry 4.0. Lecture Notes in Electrical Engineering, 2020, , 258-266.	0.3	4
12	Solving the Location Problem of Printers in a University Campus Using p-Median Location Model and AnyLogic Simulation. Lecture Notes in Electrical Engineering, 2020, , 577-584.	0.3	7
13	A Stochastic Closed-Loop Supply Chain Network Optimization Problem Considering Flexible Network Capacity. Lecture Notes in Electrical Engineering, 2020, , 567-576.	0.3	0
14	An Improved Bi-Objective Stochastic Model with SAA-based Solution Method for Reverse Logistics Design of Hazardous Materials. , 2019, , .		0
15	A trade-off model for green supply chain design: An efficiency-versus-emission analysis. , 2018, , .		0
16	Improving the Decision-Making of Reverse Logistics Network Design Part II: An Improved Scenario-Based Solution Method and Numerical Experimentation. Lecture Notes in Electrical Engineering, 2018, , 421-429.	0.3	0
17	Improving the Decision-Making of Reverse Logistics Network Design Part I: A MILP Model Under Stochastic Environment. Lecture Notes in Electrical Engineering, 2018, , 431-438.	0.3	1
18	A Value Chain Analysis for Bioenergy Production from Biomass and Biodegradable Waste: A Case Study in Northern Norway. , 2018, , .		2

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19	A Comparison of Two Location Models in Optimizing the Decision-making on the Relocation Problem of Post Offices at Narvik, Norway. , 2018, , .		1
20	Location-based analysis and optimization of service network performance: A case study. , 2018, , .		2
21	Incorporating flexible capacity in the planning of a multi-product multi-echelon sustainable reverse logistics network under uncertainty. Journal of Cleaner Production, 2018, 198, 285-303.	4.6	63
22	Innovations & industrial internet: Research for regional growth and competitiveness. , 2018, , .		4
23	A multi-objective location-allocation optimization for sustainable management of municipal solid waste. Environment Systems and Decisions, 2017, 37, 289-308.	1.9	33
24	Enhancing the competitiveness of manufacturers through Small-scale Intelligent Manufacturing System (SIMS): A supply chain perspective. , 2017, , .		14
25	A carbon-constrained stochastic optimization model with augmented multi-criteria scenario-based risk-averse solution for reverse logistics network design under uncertainty. Journal of Cleaner Production, 2017, 164, 1248-1267.	4.6	68
26	Strategic Operations Management in Healthcare: A Reference Model for Cardiac Rehabilitation. Springer Proceedings in Mathematics and Statistics, 2017, , 37-47.	0.1	0
27	A new two-stage stochastic model for reverse logistics network design under government subsidy and low-carbon emission requirement. , 2017, , .		4
28	A Stochastic Programming Approach with Improved Multi-Criteria Scenario-Based Solution Method for Sustainable Reverse Logistics Design of Waste Electrical and Electronic Equipment (WEEE). Sustainability, 2016, 8, 1331.	1.6	42
29	SMEs' challenges and needs in relation to innovation agendas and strategies. , 2016, , .		5
30	An Improved Multi-Objective Programming with Augmented Îµ-Constraint Method for Hazardous Waste Location-Routing Problems. International Journal of Environmental Research and Public Health, 2016, 13, 548.	1.2	59
31	An introduction of small-scale intelligent manufacturing system. , 2016, , .		7
32	A decision-support model for operational planning of surface coal mining considering equipment failure. , 2016, , .		1
33	A general reverse logistics network design model for product reuse and recycling with environmental considerations. International Journal of Advanced Manufacturing Technology, 2016, 87, 2693-2711.	1.5	69
34	Developing a Toolbox of supports for small and medium sized manufacturing companies. , 2016, , .		6
35	RFID-based communication in container ports. Intelligent Decision Technologies, 2014, 9, 3-16.	0.6	1
36	Developing automated and integrated flexible manufacturing system. , 2014, , .		3

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37	An integrated optimization model for single-product supply chain network design considering supplier selection. , 2014, , .		3
38	A scheduling approach for ship design project with fields constraint in tasks and human resources. , 2014, , .		0
39	CFD aided cognitive capabilities for analyzing snowdrift development around a porous fence. , 2014, , .		1
40	A decision aided system for sustainable waste management. Intelligent Decision Technologies, 2014, 9, 29-40.	0.6	12
41	A case of ship design tasks assignment and optimization. , 2014, , .		0
42	A reverse logistics network design model for sustainable treatment of multi-sourced Waste of Electrical and Electronic Equipment (WEEE). , 2013, , .		5
43	Container ports sustainability - a literature review. , 2013, , .		2
44	Design of a robotic arm for automatic cleaning of cargo containers. , 2013, , .		5
45	A decision support system for establishing a waste treatment plant for recycling organic waste into bio-energy in Northern Norway. , 2013, , .		2
46	Understanding cognitive aspects in measuring flexibility of a manufacturing supply chain. , 2012, , .		1
47	RFID communication in container ports. , 2012, , .		10
48	Benefit Analysis of the Energy Saving Reconstruction of the Office Building in Chagan Hada. Applied Mechanics and Materials, 2011, 71-78, 4976-4980.	0.2	0
49	Study on the demonstration effect evaluation indicator system of rural house energy-saving renovation. , 2011, , .		0
50	Study on fuzzy comprehensive evaluation of rural house energy-saving renovation demonstration effects. , 2011, , .		1
51	Logistics network in sparsely populated area - A case of logistics network between Southern and Northern parts of Norway with Narvik as conjunction point. , 2008, , .		1
52	Increasing Eco-efficiency through Holistic Green Supply Chain Management. , 2008, , .		2
53	A Framework for Holistic Greening of Value Chains. , 2006, , 350-355.		7
54	An online approach for distributor benchmarking. Benchmarking, 2004, 11, 385-402.	2.9	8

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55	Improving Accessibility and Efficiency of Service Facility through Location-Based Approach: A Case Study at Narvik University College. Advanced Materials Research, 0, 1039, 593-602.	0.3	5
56	Reverse Logistics Network Design for Effective Management of Medical Waste in Epidemic Outbreak: Insights from the Coronavirus Disease 2019 (COVID-19) in Wuhan. SSRN Electronic Journal, 0, , .	0.4	14