

Dimitrios M Vlachos

List of Publications by Year in descending order

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Version: 2024-02-01

57
papers

2,927
citations

218677

26
h-index

189892

50
g-index

64
all docs

64
docs citations

64
times ranked

2590
citing authors

#	ARTICLE	IF	CITATIONS
1	A system dynamics model for dynamic capacity planning of remanufacturing in closed-loop supply chains. <i>Computers and Operations Research</i> , 2007, 34, 367-394.	4.0	341
2	Waste biomass-to-energy supply chain management: A critical synthesis. <i>Waste Management</i> , 2010, 30, 1860-1870.	7.4	288
3	A system dynamics modeling framework for the strategic supply chain management of food chains. <i>Journal of Food Engineering</i> , 2005, 70, 351-364.	5.2	191
4	The effect of environmental parameters on product recovery. <i>European Journal of Operational Research</i> , 2004, 157, 449-464.	5.7	178
5	Sustainable supply chain management in the digitalisation era: The impact of Automated Guided Vehicles. <i>Journal of Cleaner Production</i> , 2017, 142, 3970-3984.	9.3	161
6	Return handling options and order quantities for single period products. <i>European Journal of Operational Research</i> , 2003, 151, 38-52.	5.7	145
7	A Periodic Review Inventory System with Emergency Replenishments. <i>Management Science</i> , 2001, 47, 415-429.	4.1	126
8	The impact of greening on supply chain design and cost: a case for a developing region. <i>Journal of Transport Geography</i> , 2012, 22, 118-128.	5.0	121
9	Optimal newsvendor policies for dual-sourcing supply chains: A disruption risk management framework. <i>Computers and Operations Research</i> , 2012, 39, 350-357.	4.0	115
10	Intelligent Autonomous Vehicles in digital supply chains: A framework for integrating innovations towards sustainable value networks. <i>Journal of Cleaner Production</i> , 2018, 181, 60-71.	9.3	105
11	The Impact of Product Lifecycle on Capacity Planning of Closed-Loop Supply Chains with Remanufacturing. <i>Production and Operations Management</i> , 2006, 15, 514-527.	3.8	103
12	On the necessity of a disposal option for returned items that can be remanufactured. <i>International Journal of Production Economics</i> , 2002, 75, 257-266.	8.9	93
13	The emerging role of water footprint in supply chain management: A critical literature synthesis and a hierarchical decision-making framework. <i>Journal of Cleaner Production</i> , 2016, 137, 1018-1037.	9.3	77
14	An analytical methodological framework for the optimal design of resilient supply chains. <i>International Journal of Logistics Economics and Globalisation</i> , 2007, 1, 1.	0.5	62
15	EFFECTIVENESS OF STOCK TRANSSHIPMENT UNDER VARIOUS DEMAND DISTRIBUTIONS AND NONNEGLECTIBLE TRANSSHIPMENT TIMES*. <i>Production and Operations Management</i> , 2002, 11, 183-198.	3.8	60
16	Data-driven secure, resilient and sustainable supply chains: gaps, opportunities, and a new generalised data sharing and data monetisation framework. <i>International Journal of Production Research</i> , 2022, 60, 4397-4417.	7.5	60
17	An inventory system with two supply modes and capacity constraints. <i>International Journal of Production Economics</i> , 2001, 72, 41-58.	8.9	53
18	A stochastic inventory management model for a dual sourcing supply chain with disruptions. <i>International Journal of Systems Science</i> , 2010, 41, 315-324.	5.5	53

#	ARTICLE	IF	CITATIONS
19	Development of a multi-objective model for the design of sustainable supply chains: the case of perishable food products. <i>Annals of Operations Research</i> , 2020, 294, 593-621.	4.1	50
20	Supply chain reconfiguration opportunities arising from additive manufacturing technologies in the digital era. <i>Production Planning and Control</i> , 2019, 30, 510-521.	8.8	49
21	Inventory strategies for systems with fast remanufacturing. <i>Journal of the Operational Research Society</i> , 2004, 55, 475-484.	3.4	44
22	A Blockchain Framework for Containerized Food Supply Chains. <i>Computer Aided Chemical Engineering</i> , 2019, 46, 1369-1374.	0.5	43
23	Design and planning for green global supply chains under periodic review replenishment policies. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2014, 72, 210-235.	7.4	40
24	Dual sourcing for mitigating humanitarian supply chain disruptions. <i>Journal of Humanitarian Logistics and Supply Chain Management</i> , 2014, 4, 245-264.	2.8	36
25	A water footprint management framework for supply chains under green market behaviour. <i>Journal of Cleaner Production</i> , 2018, 197, 592-606.	9.3	35
26	Managing the diffusion of biomass in the residential energy sector: An illustrative real-world case study. <i>Applied Energy</i> , 2014, 129, 56-69.	10.1	31
27	Sustainability Assessment of Goat and Sheep Farms: A Comparison between European Countries. <i>Sustainability</i> , 2020, 12, 3099.	3.2	26
28	The impact of slow steaming on the carriers' and shippers' costs: The case of a global logistics network. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2018, 111, 18-39.	7.4	25
29	An inventory system with periodic regular review and flexible emergency review. <i>IIE Transactions</i> , 2001, 33, 625-635.	2.1	18
30	Industry 4.0: Sustainable material handling processes in industrial environments. <i>Computer Aided Chemical Engineering</i> , 2017, 40, 2281-2286.	0.5	15
31	Development of a single period inventory planning model for perishable product redistribution. <i>Annals of Operations Research</i> , 2020, 294, 697-713.	4.1	15
32	VMI modelling in global and electronic markets. <i>International Journal of Logistics Systems and Management</i> , 2007, 3, 271.	0.2	14
33	A planning optimisation framework for construction and demolition waste management. <i>International Journal of Industrial and Systems Engineering</i> , 2012, 10, 257.	0.2	14
34	Building robust supply chains by reducing vulnerability and improving resilience. <i>International Journal of Agile Systems and Management</i> , 2012, 5, 59.	0.3	14
35	Cost and environmental trade-offs in supply chain network design and planning: the merit of a simulation-based approach. <i>Journal of Simulation</i> , 2017, 11, 20-29.	1.5	14
36	An Augmented Reality Symbiosis Software Tool for Sustainable Logistics Activities. <i>Sustainability</i> , 2021, 13, 10929.	3.2	14

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37	Managing supply chain disruption risks: a game-theoretical approach. International Journal of Mathematics in Operational Research, 2012, 4, 515.	0.2	9
38	Transportation cost analysis of the Hellenic system for alternative management of Waste Electrical and Electronic Equipment. International Journal of Environment and Waste Management, 2012, 10, 70.	0.3	8
39	A strategic methodological framework for the development of gastronomic tourism: a Greek region's experience. International Journal of Innovation and Regional Development, 2009, 1, 301.	0.1	7
40	Integrating waste biomass into thermal energy production systems: a strategic methodological framework. Civil Engineering and Environmental Systems, 2012, 29, 255-272.	0.9	7
41	A simulation methodology for evaluating emergency sourcing strategies of a discrete part manufacturer. International Journal of Data Analysis Techniques and Strategies, 2015, 7, 141.	0.2	5
42	OPTIMAL SOURCING DECISIONS FOR UNRELIABLE REVERSE SUPPLY CHAINS. Asia-Pacific Journal of Operational Research, 2011, 28, 125-146.	1.3	4
43	Water Footprint in Supply Chain Management: An Introduction. Sustainability, 2018, 10, 2045.	3.2	4
44	Unmanned Ground Vehicles in Precision Farming Services: An Integrated Emulation Modelling Approach. Communications in Computer and Information Science, 2019, , 177-190.	0.5	3
45	Optimal inventory control policies for avoiding food waste. Operational Research, 2022, 22, 685-701.	2.0	3
46	A comprehensive methodological framework for improving security and efficiency of port container logistics. International Journal of Logistics Economics and Globalisation, 2008, 1, 176.	0.5	2
47	A hierarchical taxonomy of decision-making models for container terminal operations. International Journal of Logistics Economics and Globalisation, 2008, 1, 365.	0.5	2
48	On the estimation of the necessary inventory for hellenic public cord blood banks using simulation. Operational Research, 2012, 12, 57-68.	2.0	2
49	Evaluation of emergency sourcing risk mitigation strategies for a discrete part manufacturer. International Journal of Advanced Logistics, 2015, 4, 37-46.	0.2	2
50	Development of a "Fair" Marketplace for On-Demand Capacity Matching. Transportation Research Record, 2020, 2674, 46-56.	1.9	2
51	Trade Facilitation and Supply Chain Network Design. Operations and Supply Chain Management, 0, , 99-107.	0.0	2
52	A Methodological Framework for Integrating Waste Biomass into a Portfolio of Thermal Energy Production Systems. Green Energy and Technology, 2012, , 59-82.	0.6	1
53	An Inventory System with Periodic Regular Review and Flexible Emergency Review. IIE Transactions, 2001, 33, 625-635.	2.1	0
54	A software tool for optimizing intra-logistic activities. Computer Aided Chemical Engineering, 2018, 43, 439-444.	0.5	0

#	ARTICLE	IF	CITATIONS
55	Design for Globalized Green Supply Chain Networks with Nearshored Production. , 2015, , 185-203.		0
56	Quantitative Risk Management Models for Newsvendor Supply Chains. , 0, , 347-362.		0
57	Quantitative Risk Management Models for Newsvendor Supply Chains. Advances in Logistics, Operations, and Management Science Book Series, 0, , 155-170.	0.4	0