

# 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	Optimal inventory control policies for avoiding food waste. <i>Operational Research</i> , 2022, 22, 685-701.	2.0	3
2	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
3	An Augmented Reality Symbiosis Software Tool for Sustainable Logistics Activities. <i>Sustainability</i> , 2021, 13, 10929.	3.2	14
4	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
5	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
6	Development of a "Fair" Marketplace for On-Demand Capacity Matching. <i>Transportation Research Record</i> , 2020, 2674, 46-56.	1.9	2
7	Sustainability Assessment of Goat and Sheep Farms: A Comparison between European Countries. <i>Sustainability</i> , 2020, 12, 3099.	3.2	26
8	A Blockchain Framework for Containerized Food Supply Chains. <i>Computer Aided Chemical Engineering</i> , 2019, 46, 1369-1374.	0.5	43
9	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
10	Unmanned Ground Vehicles in Precision Farming Services: An Integrated Emulation Modelling Approach. <i>Communications in Computer and Information Science</i> , 2019, , 177-190.	0.5	3
11	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
12	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
13	A software tool for optimizing intra-logistic activities. <i>Computer Aided Chemical Engineering</i> , 2018, 43, 439-444.	0.5	0
14	Water Footprint in Supply Chain Management: An Introduction. <i>Sustainability</i> , 2018, 10, 2045.	3.2	4
15	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
16	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
17	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
18	Industry 4.0: Sustainable material handling processes in industrial environments. <i>Computer Aided Chemical Engineering</i> , 2017, 40, 2281-2286.	0.5	15

#	ARTICLE	IF	CITATIONS
19	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
20	A simulation methodology for evaluating emergency sourcing strategies of a discrete part manufacturer. <i>International Journal of Data Analysis Techniques and Strategies</i> , 2015, 7, 141.	0.2	5
21	Evaluation of emergency sourcing risk mitigation strategies for a discrete part manufacturer. <i>International Journal of Advanced Logistics</i> , 2015, 4, 37-46.	0.2	2
22	Design for Globalized Green Supply Chain Networks with Nearshored Production. , 2015, , 185-203.		0
23	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
24	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
25	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
26	Integrating waste biomass into thermal energy production systems: a strategic methodological framework. <i>Civil Engineering and Environmental Systems</i> , 2012, 29, 255-272.	0.9	7
27	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
28	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
29	Transportation cost analysis of the Hellenic system for alternative management of Waste Electrical and Electronic Equipment. <i>International Journal of Environment and Waste Management</i> , 2012, 10, 70.	0.3	8
30	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
31	A Methodological Framework for Integrating Waste Biomass into a Portfolio of Thermal Energy Production Systems. <i>Green Energy and Technology</i> , 2012, , 59-82.	0.6	1
32	Managing supply chain disruption risks: a game-theoretical approach. <i>International Journal of Mathematics in Operational Research</i> , 2012, 4, 515.	0.2	9
33	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
34	On the estimation of the necessary inventory for hellenic public cord blood banks using simulation. <i>Operational Research</i> , 2012, 12, 57-68.	2.0	2
35	OPTIMAL SOURCING DECISIONS FOR UNRELIABLE REVERSE SUPPLY CHAINS. <i>Asia-Pacific Journal of Operational Research</i> , 2011, 28, 125-146.	1.3	4
36	Waste biomass-to-energy supply chain management: A critical synthesis. <i>Waste Management</i> , 2010, 30, 1860-1870.	7.4	288

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37	A stochastic inventory management model for a dual sourcing supply chain with disruptions. International Journal of Systems Science, 2010, 41, 315-324.	5.5	53
38	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
39	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
40	A hierarchical taxonomy of decision-making models for container terminal operations. International Journal of Logistics Economics and Globalisation, 2008, 1, 365.	0.5	2
41	An analytical methodological framework for the optimal design of resilient supply chains. International Journal of Logistics Economics and Globalisation, 2007, 1, 1.	0.5	62
42	VMI modelling in global and electronic markets. International Journal of Logistics Systems and Management, 2007, 3, 271.	0.2	14
43	A system dynamics model for dynamic capacity planning of remanufacturing in closed-loop supply chains. Computers and Operations Research, 2007, 34, 367-394.	4.0	341
44	The Impact of Product Lifecycle on Capacity Planning of Closed-Loop Supply Chains with Remanufacturing. Production and Operations Management, 2006, 15, 514-527.	3.8	103
45	A system dynamics modeling framework for the strategic supply chain management of food chains. Journal of Food Engineering, 2005, 70, 351-364.	5.2	191
46	The effect of environmental parameters on product recovery. European Journal of Operational Research, 2004, 157, 449-464.	5.7	178
47	Inventory strategies for systems with fast remanufacturing. Journal of the Operational Research Society, 2004, 55, 475-484.	3.4	44
48	Return handling options and order quantities for single period products. European Journal of Operational Research, 2003, 151, 38-52.	5.7	145
49	On the necessity of a disposal option for returned items that can be remanufactured. International Journal of Production Economics, 2002, 75, 257-266.	8.9	93
50	EFFECTIVENESS OF STOCK TRANSSHIPMENT UNDER VARIOUS DEMAND DISTRIBUTIONS AND NONNEGLECTIBLE TRANSSHIPMENT TIMES*. Production and Operations Management, 2002, 11, 183-198.	3.8	60
51	A Periodic Review Inventory System with Emergency Replenishments. Management Science, 2001, 47, 415-429.	4.1	126
52	An Inventory System with Periodic Regular Review and Flexible Emergency Review. IIE Transactions, 2001, 33, 625-635.	2.1	0
53	An inventory system with two supply modes and capacity constraints. International Journal of Production Economics, 2001, 72, 41-58.	8.9	53
54	An inventory system with periodic regular review and flexible emergency review. IIE Transactions, 2001, 33, 625-635.	2.1	18

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55	Trade Facilitation and Supply Chain Network Design. Operations and Supply Chain Management, 0, , 99-107.	0.0	2
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