

# Uday Venkatadri

## List of Publications by Year in descending order

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Version: 2024-02-01

60  
papers

1,262  
citations

331670

21  
h-index

377865

34  
g-index

60  
all docs

60  
docs citations

60  
times ranked

1016  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimal extended warranty pricing and retailing strategies in a closed-loop supply chain. International Journal of Production Research, 2023, 61, 3435-3458.	7.5	5
2	Optimization of the integrated fleet-level imperfect selective maintenance and repairpersons assignment problem. Journal of Intelligent Manufacturing, 2022, 33, 703-718.	7.3	10
3	Freight delivery in a Physical Internet Supply Chain: an applied optimisation model with peddling and shipment consolidation. International Journal of Production Research, 2022, 60, 4995-5011.	7.5	14
4	Understanding the Design Continuum Between Group Technology and Fractal Cell Designs for Manufacturing Systems Through the Central Backup Cellular Manufacturing System. SN Operations Research Forum, 2022, 3, 1.	1.0	0
5	Distributionally robust optimization of a Canadian healthcare supply chain to enhance resilience during the COVID-19 pandemic. Computers and Industrial Engineering, 2022, 168, 108051.	6.3	27
6	A New Direct Coefficient-Based Heuristic Algorithm for Set Covering Problems. International Journal of Fuzzy Systems, 2022, 24, 1131-1147.	4.0	6
7	Designing profitable and responsive supply chains under uncertainty. International Journal of Production Research, 2021, 59, 213-225.	7.5	25
8	Pricing and production decisions in a dual-channel closed-loop supply chain with (re)manufacturing. International Journal of Production Economics, 2021, 232, 107935.	8.9	49
9	A Model for Demand Planning in Supply Chains with Congestion Effects. Logistics, 2021, 5, 3.	4.3	0
10	Multicomponent multiproduct closed-loop supply chain design with transshipment and economies of scale considerations. Computers and Industrial Engineering, 2021, 153, 107073.	6.3	9
11	Mathematical Programming Models for Fresh Fruit Supply Chain Optimization: A Review of the Literature and Emerging Trends. AgriEngineering, 2021, 3, 519-541.	3.2	14
12	Robust closed-loop supply chain design with presorting, return quality and carbon emission considerations. Journal of Cleaner Production, 2020, 247, 119086.	9.3	59
13	Managing Environmental and Operational Risks for Sustainable Cotton Production Logistics: System Dynamics Modelling for a Textile Company. Logistics, 2020, 4, 34.	4.3	3
14	Integrated imperfect multimission selective maintenance and repairpersons assignment problem. Reliability Engineering and System Safety, 2020, 199, 106895.	8.9	40
15	Optimization Model for Fresh Fruit Supply Chains: Case-Study of Dragon Fruit in Vietnam. AgriEngineering, 2020, 2, 1-26.	3.2	9
16	Non-emergency Patient Transfer Scheduling and Assignment. Springer Proceedings in Mathematics and Statistics, 2020, , 3-12.	0.2	0
17	Optimal joint selective imperfect maintenance and multiple repairpersons assignment strategy for complex multicomponent systems. International Journal of Production Research, 2019, 57, 4098-4117.	7.5	32
18	Optimal (re)manufacturing strategies in the presence of spontaneous consumer returns. Journal of Cleaner Production, 2019, 237, 117642.	9.3	11

#	ARTICLE	IF	CITATIONS
19	Development of a Multimodal Microsimulation-Based Evacuation Model. <i>Transportation Research Record</i> , 2019, 2673, 477-488.	1.9	5
20	Optimizing a Bi-Objective Mathematical Model for Minimizing Spraying Time and Drift Proportion. <i>AgriEngineering</i> , 2019, 1, 418-433.	3.2	0
21	Joint optimization of the selective maintenance and repairperson assignment problem when using new and remanufactured spare parts. <i>IFAC-PapersOnLine</i> , 2019, 52, 1063-1068.	0.9	5
22	Designing Profitable and Responsive Supply Chains under Uncertainty. <i>IFAC-PapersOnLine</i> , 2019, 52, 2816-2820.	0.9	7
23	Developing a bi-objective imperfect selective maintenance optimization model for multicomponent systems. <i>IFAC-PapersOnLine</i> , 2019, 52, 1079-1084.	0.9	5
24	Integrated production quality and condition-based maintenance optimisation for a stochastically deteriorating manufacturing system. <i>International Journal of Production Research</i> , 2019, 57, 2480-2497.	7.5	49
25	Optimal selective maintenance decisions for large serial k-out-of-n: G systems under imperfect maintenance. <i>Reliability Engineering and System Safety</i> , 2018, 175, 234-245.	8.9	64
26	A Stochastic Approach for Designing Supply Chain Networks under Uncertainty. <i>IFAC-PapersOnLine</i> , 2018, 51, 1465-1469.	0.9	5
27	Outsourcing selective maintenance problem in failure prone multi-component systems. <i>IFAC-PapersOnLine</i> , 2018, 51, 525-530.	0.9	5
28	Optimization of the joint selective maintenance and repairperson assignment problem under imperfect maintenance. <i>Computers and Industrial Engineering</i> , 2018, 125, 413-422.	6.3	51
29	Optimizing Combination Warranty Policies Using Remanufactured Replacement Products from the Seller and Buyer's Perspectives. <i>Communications in Computer and Information Science</i> , 2018, , 224-239.	0.5	0
30	Condition-based selective maintenance for stochastically degrading multi-component systems under periodic inspection and imperfect maintenance. <i>Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability</i> , 2018, 232, 447-463.	0.7	16
31	State of the art review of quality, reliability and maintenance issues in closed-loop supply chains with remanufacturing. <i>International Journal of Production Research</i> , 2017, 55, 1277-1296.	7.5	98
32	Physical Internet, conventional and hybrid logistic systems: a routing optimisation-based comparison using the Eastern Canada road network case study. <i>International Journal of Production Research</i> , 2017, 55, 2703-2730.	7.5	62
33	A data-driven approach to multi-product production network planning. <i>International Journal of Production Research</i> , 2017, 55, 7110-7134.	7.5	6
34	A multi-commodity network flow-based formulation for the multi-period cell formation problem. <i>International Journal of Advanced Manufacturing Technology</i> , 2017, 91, 175-187.	3.0	7
35	Reverse logistics network design under greenness, reliability and refurbished product demand considerations. <i>International Journal of Automation and Logistics</i> , 2017, 3, 33.	0.2	2
36	Optimal Combination RebateWarranty Policy with Second-hand Products. , 2017, , .		1

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37	Reverse logistics network design under greenness, reliability and refurbished product demand considerations. International Journal of Automation and Logistics, 2017, 3, 33.	0.2	0
38	Modeling and analysis of a warranty policy using new and reconditioned parts. Applied Stochastic Models in Business and Industry, 2016, 32, 539-553.	1.5	15
39	Design of a reverse logistics network for recyclable collection in Nova Scotia using compaction trailers. Infor, 2016, 54, 1-18.	0.6	8
40	Supply chain modelling frameworks for forest products industry: a systematic literature review. Infor, 2016, 54, 52-75.	0.6	7
41	Estimating the Clearing Function for a Multi-Product Production Network Based on Mean-Value Analysis. IFAC-PapersOnLine, 2016, 49, 1755-1760.	0.9	1
42	On Physical Internet Logistics: Modeling the Impact of Consolidation on Transportation and Inventory Costs. IEEE Transactions on Automation Science and Engineering, 2016, 13, 1517-1527.	5.2	45
43	Production planning in the presence of remanufactured spare components: an application in the airline industry. International Journal of Advanced Manufacturing Technology, 2016, 87, 957-968.	3.0	10
44	Developing a bi-objective model of the closed-loop supply chain network with green supplier selection and disassembly of products: The impact of parts reliability and product greenness on the recovery network. Journal of Manufacturing Systems, 2015, 36, 76-86.	13.9	64
45	Quality, Reliability, Maintenance Issues in Closed-Loop Supply Chains: A Review. IFAC-PapersOnLine, 2015, 48, 460-465.	0.9	13
46	A framework for multi-objective facility layout design. Computers and Industrial Engineering, 2015, 90, 167-176.	6.3	46
47	Product placement within a fast-picking tunnel of a distribution centre. International Journal of Advanced Manufacturing Technology, 2015, 76, 1681-1690.	3.0	1
48	Applying lean manufacturing system to improving productivity of airconditioning coil manufacturing. International Journal of Advanced Manufacturing Technology, 2014, 71, 307-323.	3.0	64
49	A Metaheuristic Approach for Supply Chain Network Design Problems. Lecture Notes in Business Information Processing, 2012, , 114-122.	1.0	0
50	DSOPP: a platform for distributed simulation of order promising protocols in supply chain networks. Production Planning and Control, 2010, 21, 562-580.	8.8	7
51	RosettaNet-Based Implementation of CPFR Using Semantic Web Services. , 2009, , .		1
52	Promising orders in supply chain networks. International Journal of Industrial and Systems Engineering, 2008, 3, 211.	0.2	6
53	DSOPP: AN INTELLIGENT PLATFORM FOR DISTRIBUTED SIMULATION OF ORDER PROMISING PROTOCOLS IN SUPPLY CHAIN NETWORKS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2007, 40, 63-68.	0.4	1
54	Optimization-based decision support for order promising in supply chain networks. International Journal of Production Economics, 2006, 103, 117-130.	8.9	35

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55	A market-driven transfer price for distributed products using mathematical programming. European Journal of Operational Research, 2005, 162, 690-699.	5.7	10
56	Optimal disassembly configurations for single and multiple products. Journal of Manufacturing Systems, 1999, 18, 311-322.	13.9	49
57	A design methodology for fractal layout organization. IIE Transactions, 1997, 29, 911-924.	2.1	55
58	A design methodology for fractal layout organization. IIE Transactions, 1997, 29, 911-924.	2.1	23
59	GENERATING A LAYOUT FROM A DESIGN SKELETON. IIE Transactions, 1993, 25, 3-15.	2.1	44
60	Strategic Interpolative Design of Dynamic Manufacturing Systems Layouts. Management Science, 1991, 37, 682-694.	4.1	56