Uday Venkatadri

List of Publications by Year
in descending order

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	State of the art review of quality, reliability and maintenance issues in closed-loop supply chains with remanufacturing. International Journal of Production Research, 2017, 55, 1277-1296.	7.5	98
2	Applying lean manufacturing system to improving productivity of airconditioning coil manufacturing. International Journal of Advanced Manufacturing Technology, 2014, 71, 307-323.	3.0	64
3	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
4	Optimal selective maintenance decisions for large serial k-out-of-n: G systems under imperfect maintenance. Reliability Engineering and System Safety, 2018, 175, 234-245.	8.9	64
5	Physical Internet, conventional and hybrid logistic systems: a routing optimisation-based comparison using the Eastern Canada road network case study. International Journal of Production Research, 2017, 55, 2703-2730.	7.5	62
6	Robust closed-loop supply chain design with presorting, return quality and carbon emission considerations. Journal of Cleaner Production, 2020, 247, 119086.	9.3	59
7	Strategic Interpolative Design of Dynamic Manufacturing Systems Layouts. Management Science, 1991, 37, 682-694.	4.1	56
8	A design methodology for fractal layout organization. IIE Transactions, 1997, 29, 911-924.	2.1	55
9	Optimization of the joint selective maintenance and repairperson assignment problem under imperfect maintenance. Computers and Industrial Engineering, 2018, 125, 413-422.	6.3	51
10	Optimal disassembly configurations for single and multiple products. Journal of Manufacturing Systems, 1999, 18, 311-322.	13.9	49
11	Integrated production quality and condition-based maintenance optimisation for a stochastically deteriorating manufacturing system. International Journal of Production Research, 2019, 57, 2480-2497.	7.5	49
12	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
13	A framework for multi-objective facility layout design. Computers and Industrial Engineering, 2015, 90, 167-176.	6.3	46
14	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
15	GENERATING A LAYOUT FROM A DESIGN SKELETON. IIE Transactions, 1993, 25, 3-15.	2.1	44
16	Integrated imperfect multimission selective maintenance and repairpersons assignment problem. Reliability Engineering and System Safety, 2020, 199, 106895.	8.9	40
17	Optimization-based decision support for order promising in supply chain networks. International Journal of Production Economics, 2006, 103, 117-130.	8.9	35
18	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

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19	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
20	Designing profitable and responsive supply chains under uncertainty. International Journal of Production Research, 2021, 59, 213-225.	7.5	25
21	A design methodology for fractal layout organization. IIE Transactions, 1997, 29, 911-924.	2.1	23
22	Condition-based selective maintenance for stochastically degrading multi-component systems under periodic inspection and imperfect maintenance. Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability, 2018, 232, 447-463.	0.7	16
23	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
24	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
25	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
26	Quality, Reliability, Maintenance Issues in Closed-Loop Supply Chains: A Review. IFAC-PapersOnLine, 2015, 48, 460-465.	0.9	13
27	Optimal (re)manufacturing strategies in the presence of spontaneous consumer returns. Journal of Cleaner Production, 2019, 237, 117642.	9.3	11
28	A market-driven transfer price for distributed products using mathematical programming. European Journal of Operational Research, 2005, 162, 690-699.	5.7	10
29	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
30	Optimization of the integrated fleet-level imperfect selective maintenance and repairpersons assignment problem. Journal of Intelligent Manufacturing, 2022, 33, 703-718.	7.3	10
31	Optimization Model for Fresh Fruit Supply Chains: Case-Study of Dragon Fruit in Vietnam. AgriEngineering, 2020, 2, 1-26.	3.2	9
32	Multicomponent multiproduct closed-loop supply chain design with transshipment and economies of scale considerations. Computers and Industrial Engineering, 2021, 153, 107073.	6.3	9
33	Design of a reverse logistics network for recyclable collection in Nova Scotia using compaction trailers. Infor, 2016, 54, 1-18.	0.6	8
34	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
35	Supply chain modelling frameworks for forest products industry: a systematic literature review. Infor, 2016, 54, 52-75.	0.6	7
36	A multi-commodity network flow-based formulation for the multi-period cell formation problem. International Journal of Advanced Manufacturing Technology, 2017, 91, 175-187.	3.0	7

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37	Designing Profitable and Responsive Supply Chains under Uncertainty. IFAC-PapersOnLine, 2019, 52, 2816-2820.	0.9	7
38	Promising orders in supply chain networks. International Journal of Industrial and Systems Engineering, 2008, 3, 211.	0.2	6
39	A data-driven approach to multi-product production network planning. International Journal of Production Research, 2017, 55, 7110-7134.	7.5	6
40	A New Direct Coefficient-Based Heuristic Algorithm for Set Covering Problems. International Journal of Fuzzy Systems, 2022, 24, 1131-1147.	4.0	6
41	A Stochastic Approach for Designing Supply Chain Networks under Uncertainty. IFAC-PapersOnLine, 2018, 51, 1465-1469.	0.9	5
42	Outsourcing selective maintenance problem in failure prone multi-component systems. IFAC-PapersOnLine, 2018, 51, 525-530.	0.9	5
43	Development of a Multimodal Microsimulation-Based Evacuation Model. Transportation Research Record, 2019, 2673, 477-488.	1.9	5
44	Joint optimization of the selective maintenance and repairperson assignment problem when using new and remanufactured spare parts. IFAC-PapersOnLine, 2019, 52, 1063-1068.	0.9	5
45	Developing a bi-objective imperfect selective maintenance optimization model for multicomponent systems. IFAC-PapersOnLine, 2019, 52, 1079-1084.	0.9	5
46	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
47	Managing Environmental and Operational Risks for Sustainable Cotton Production Logistics: System Dynamics Modelling for a Textile Company. Logistics, 2020, 4, 34.	4.3	3
48	Reverse logistics network design under greenness, reliability and refurbished product demand considerations. International Journal of Automation and Logistics, 2017, 3, 33.	0.2	2
49	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
50	RosettaNet-Based Implementation of CPFR Using Semantic Web Services. , 2009, , .		1
51	Product placement within a fast-picking tunnel of a distribution centre. International Journal of Advanced Manufacturing Technology, 2015, 76, 1681-1690.	3.0	1
52	Estimating the Clearing Function for a Multi-Product Production Network Based on Mean-Value Analysis. IFAC-PapersOnLine, 2016, 49, 1755-1760.	0.9	1
53	Optimal Combination RebateWarranty Policy with Second-hand Products. , 2017, , .		1
54	A Metaheuristic Approach for Supply Chain Network Design Problems. Lecture Notes in Business Information Processing, 2012, , 114-122.	1.0	0

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55	Optimizing Combination Warranty Policies Using Remanufactured Replacement Products from the Seller and Buyerâ€™s Perspectives. Communications in Computer and Information Science, 2018, , 224-239.	0.5	0
56	Optimizing a Bi-Objective Mathematical Model for Minimizing Spraying Time and Drift Proportion. AgriEngineering, 2019, 1, 418-433.	3.2	0
57	A Model for Demand Planning in Supply Chains with Congestion Effects. Logistics, 2021, 5, 3.	4.3	0
58	Reverse logistics network design under greenness, reliability and refurbished product demand considerations. International Journal of Automation and Logistics, 2017, 3, 33.	0.2	0
59	Non-emergency Patient Transfer Scheduling and Assignment. Springer Proceedings in Mathematics and Statistics, 2020, , 3-12.	0.2	0
60	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