

# Vipul Jain

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

76  
papers

2,286  
citations

24  
h-index

46  
g-index

84  
ext. papers

2,723  
ext. citations

4.2  
avg, IF

5.53  
L-index

#	Paper	IF	Citations
76	COVID19 epidemic outbreak: operating rooms scheduling, specialty teams timetabling and emergency patients' assignment using the robust optimization approach.. <i>Annals of Operations Research</i> , <b>2022</b> , 1-31	3.2	0
75	Sustainability performance evaluation of the E-waste closed-loop supply chain with the SCOR model. <i>Waste Management</i> , <b>2022</b> , 147, 36-47	8.6	3
74	The Interactive Weighting Method Concerning Consistency, Inadequacy, Complementary and Supplementary Properties of Criteria. <i>IEEE Transactions on Engineering Management</i> , <b>2020</b> , 1-12	2.6	1
73	Closed-loop supply chain network design and modelling under risks and demand uncertainty: an integrated robust optimization approach. <i>Annals of Operations Research</i> , <b>2020</b> , 290, 837-864	3.2	31
72	Measuring Supply Chain Reconfigurability using Integrated and Deterministic Assessment Models. <i>Journal of Manufacturing Systems</i> , <b>2019</b> , 52, 172-183	9.1	12
71	Forecasting municipal solid waste generation using artificial intelligence models— case study in India. <i>SN Applied Sciences</i> , <b>2019</b> , 1, 1	1.8	27
70	Modelling wholesale distribution operations: an artificial intelligence framework. <i>Industrial Management and Data Systems</i> , <b>2019</b> , 119, 698-718	3.6	16
69	Sustainable supply chain management. <i>Management of Environmental Quality</i> , <b>2019</b> , 30, 1001-1049	3.6	43
68	Modelling the inter-relationship between factors affecting coordination in a humanitarian supply chain: a case of Chennai flood relief. <i>Annals of Operations Research</i> , <b>2019</b> , 283, 1227-1258	3.2	19
67	Optimization of stochastic, (Q, R) inventory system in multi-product, multi-echelon, distributive supply chain. <i>Journal of Revenue and Pricing Management</i> , <b>2019</b> , 18, 405-418	0.9	2
66	Modelling and simulation of repairable mechanical systems reliability and availability. <i>International Journal of Systems Assurance Engineering and Management</i> , <b>2019</b> , 10, 1221-1233	1.3	3
65	Swarm intelligence approaches in supply chain management: potentials, challenges and future research directions. <i>Supply Chain Management</i> , <b>2019</b> , 24, 107-123	10	11
64	Supplier selection using fuzzy AHP and TOPSIS: a case study in the Indian automotive industry. <i>Neural Computing and Applications</i> , <b>2018</b> , 29, 555-564	4.8	111
63	Information system selection for a supply chain based on current trends: the BRIGS approach. <i>Neural Computing and Applications</i> , <b>2018</b> , 30, 1619-1633	4.8	4
62	Availability analysis of mechanical systems with condition-based maintenance using semi-Markov and evaluation of optimal condition monitoring interval. <i>Journal of Industrial Engineering International</i> , <b>2018</b> , 14, 119-131	2.6	17
61	Equilibrium analysis in multi-echelon supply chain with multi-dimensional utilities of inertial players. <i>Journal of Revenue and Pricing Management</i> , <b>2017</b> , 16, 417-436	0.9	2
60	Supply chain resilience: model development and empirical analysis. <i>International Journal of Production Research</i> , <b>2017</b> , 55, 6779-6800	7.8	94

59	Application of AHP in reverse logistics service provider selection: a case study. <i>International Journal of Business Innovation and Research</i> , <b>2017</b> , 12, 94	0.7	27
58	Fusion of Fuzzy Multi-Criteria Decision Making Approaches for Discriminating Risk with Relate to Software Project Performance. <i>Advances in Business Strategy and Competitive Advantage Book Series</i> , <b>2017</b> , 38-64	0.3	
57	A three-stage hybrid integrated decision making framework for modelling reverse logistics operations: a case of a textile company. <i>International Journal of Industrial and Systems Engineering</i> , <b>2016</b> , 23, 370	0.4	4
56	An integrated buyer initiated decision-making process for green supplier selection. <i>Journal of Manufacturing Systems</i> , <b>2016</b> , 41, 256-265	9.1	29
55	Designing an integrated AHP based decision support system for supplier selection in automotive industry. <i>Expert Systems With Applications</i> , <b>2016</b> , 62, 273-283	7.8	200
54	Green supplier selection: a new genetic/immune strategy with industrial application. <i>Enterprise Information Systems</i> , <b>2016</b> , 10, 911-943	3.5	17
53	Genetic algorithm based fuzzy time series tourism demand forecast model. <i>Industrial Management and Data Systems</i> , <b>2016</b> , 116, 483-507	3.6	27
52	Integrating analytical hierarchy process and quality function deployment in automotive supplier selection. <i>International Journal of Business Excellence</i> , <b>2016</b> , 9, 156	0.7	18
51	Linking procurement operations to power-influence in a supply chain. <i>Journal of Manufacturing Systems</i> , <b>2016</b> , 41, 201-210	9.1	
50	Coping with uncertainties via resilient supply chain framework. <i>International Journal of Procurement Management</i> , <b>2015</b> , 8, 182	0.6	3
49	Weight restrictions in Data Envelopment Analysis: A comprehensive Genetic Algorithm based approach for incorporating value judgments. <i>Expert Systems With Applications</i> , <b>2015</b> , 42, 1503-1512	7.8	20
48	Multidimensional utility analysis in a two-tier supply chain. <i>Journal of Manufacturing Systems</i> , <b>2015</b> , 37, 437-447	9.1	2
47	A journey from normative to behavioral operations in supply chain management: A review using Latent Semantic Analysis. <i>Expert Systems With Applications</i> , <b>2015</b> , 42, 796-809	7.8	34
46	Production planning forecasting method selection in a supply chain: a case study. <i>International Journal of Applied Management Science</i> , <b>2015</b> , 7, 38	0.7	11
45	Application of an integrated MCDM approach in selecting outsourcing strategies in hotel industry. <i>International Journal of Logistics Systems and Management</i> , <b>2015</b> , 20, 304	0.7	14
44	A Chaotic Bee Colony approach for supplier selection-order allocation with different discounting policies in a cooperative multi-echelon supply chain. <i>Journal of Intelligent Manufacturing</i> , <b>2015</b> , 26, 1131-1144	6.7	24
43	Steady-state availability analysis of repairable mechanical systems with opportunistic maintenance by using Semi-Markov process. <i>International Journal of Systems Assurance Engineering and Management</i> , <b>2014</b> , 5, 664-678	1.3	13
42	Universal supplier selection via multi-dimensional auction mechanisms for two-way competition in oligopoly market of supply chain. <i>Omega</i> , <b>2014</b> , 47, 127-137	7.2	12

41	A comprehensive environment friendly approach for supplier selection. <i>Omega</i> , <b>2014</b> , 42, 109-123	7.2	201
40	Structural investigation of a healthcare value chain: A social network analysis approach <b>2014</b> ,		2
39	Measuring supply chain resilience using a deterministic modeling approach. <i>Computers and Industrial Engineering</i> , <b>2014</b> , 74, 11-25	6.4	203
38	Availability Analysis of Repairable Mechanical Systems Using Analytical Semi-Markov Approach. <i>Quality Engineering</i> , <b>2013</b> , 25, 97-107	1.4	24
37	An ISM Approach to Model and Analyze Agility of a Supply Chain: A Case of Fashion Industry <b>2013</b> ,		1
36	A grey approach for forecasting in a supply chain during intermittent disruptions. <i>Engineering Applications of Artificial Intelligence</i> , <b>2013</b> , 26, 1044-1051	7.2	35
35	Quantifying risks in a supply chain through integration of fuzzy AHP and fuzzy TOPSIS. <i>International Journal of Production Research</i> , <b>2013</b> , 51, 2433-2442	7.8	184
34	A study on the interactions between supply chain risk management criteria using fuzzy DEMATEL method. <i>International Journal of Operational Research</i> , <b>2013</b> , 18, 255	0.9	12
33	Feasibility of analytical solution for transient availability using semi-Markov process. <i>International Journal of Reliability and Safety</i> , <b>2013</b> , 7, 388	0.9	1
32	A two-phase constrained Chaotic Bee Colony approach towards managing competition in supply chain <b>2012</b> ,		3
31	An integrated approach for machine tool selection using fuzzy analytical hierarchy process and grey relational analysis. <i>International Journal of Production Research</i> , <b>2012</b> , 50, 3211-3221	7.8	76
30	A framework of reverse logistics for the automobile industry. <i>International Journal of Production Research</i> , <b>2012</b> , 50, 1318-1331	7.8	52
29	RELIABILITY AND AVAILABILITY ANALYSIS OF MECHANICAL SYSTEMS USING STOCHASTIC PETRI NET MODELING BASED ON DECOMPOSITION APPROACH. <i>International Journal of Reliability, Quality and Safety Engineering</i> , <b>2012</b> , 19, 1250005	0.6	7
28	Effect of sharing forecast information on the performance of a supply chain experiencing disruptions. <i>International Journal of Logistics Systems and Management</i> , <b>2012</b> , 13, 509	0.7	8
27	Modeling an Agile Supply Chain: Research Challenges and Future Directions. <i>Advances in Intelligent and Soft Computing</i> , <b>2012</b> , 277-285		1
26	Minimizing the vulnerabilities of supply chain: A new framework for enhancing the resilience <b>2011</b> ,		24
25	A conceptual framework for modelling reverse logistics networks. <i>International Journal of Business Performance and Supply Chain Modelling</i> , <b>2011</b> , 3, 353	0.6	6
24	A review on select models for supply chain formation. <i>International Journal of Business Performance and Supply Chain Modelling</i> , <b>2011</b> , 3, 113	0.6	6

23	Reliability and Availability Modeling of Mechanical Systems Using Stochastic Petri Net <b>2011</b> ,		1
22	Studying the impact of various inventory policies on a supply chain with intermittent supply disruptions <b>2011</b> ,		4
21	Enhancing flexibility in supply chains: Modelling random demands and non-stationary supply information. <i>International Journal of Computer Integrated Manufacturing</i> , <b>2009</b> , 22, 812-822	4.3	8
20	A knowledge-based discrete event simulation approach for supplier selection with order allocation <b>2009</b> ,		1
19	Select supplier-related issues in modelling a dynamic supply chain: potential, challenges and direction for future research. <i>International Journal of Production Research</i> , <b>2009</b> , 47, 3013-3039	7.8	93
18	Dynamic supply chain modeling using a new fuzzy hybrid negotiation mechanism. <i>International Journal of Production Economics</i> , <b>2009</b> , 122, 319-328	9.3	19
17	Editorial note for the special issue on Artificial Intelligence Techniques for Supply Chain Management <i>Engineering Applications of Artificial Intelligence</i> , <b>2009</b> , 22, 829-831	7.2	6
16	Revisiting information systems to support a dynamic supply chain: issues and perspectives. <i>Production Planning and Control</i> , <b>2009</b> , 20, 17-29	4.3	34
15	Strategic supplier selection: some emerging issues and challenges. <i>International Journal of Logistics Systems and Management</i> , <b>2009</b> , 5, 61	0.7	17
14	Modeling Buyer-Supplier Relationships in Dynamic Supply Chains <b>2009</b> , 288-316		
13	What's the buzz about moving from Lean to Agile Integrated supply chains? A fuzzy intelligent agent-based approach. <i>International Journal of Production Research</i> , <b>2008</b> , 46, 6649-6677	7.8	86
12	Managing long supply chain networks: some emerging issues and challenges. <i>Journal of Manufacturing Technology Management</i> , <b>2008</b> , 19, 469-496	7.1	32
11	A new approach for evaluating agility in supply chains using Fuzzy Association Rules Mining. <i>Engineering Applications of Artificial Intelligence</i> , <b>2008</b> , 21, 367-385	7.2	82
10	<b>2007</b> ,		1
9	Supplier selection using fuzzy association rules mining approach. <i>International Journal of Production Research</i> , <b>2007</b> , 45, 1323-1353	7.8	57
8	A Negotiation-to-Coordinate (N2C) Mechanism for Modeling Buyer-Supplier Relationship in Dynamic Environment. <i>International Journal of Enterprise Information Systems</i> , <b>2007</b> , 3, 1-22	1.1	5
7	Production planning in an assembly system with social and industrial constraints: a dynamic programming approach. <i>International Journal of Services Operations and Informatics</i> , <b>2007</b> , 2, 131	1.1	4
6	Modelling and analysis of supply chain dynamics: a High Intelligent Time (HIT) petri net based approach. <i>International Journal of Industrial and Systems Engineering</i> , <b>2006</b> , 1, 59	0.4	16

5	e-Commerce and supply chains: Modelling of dynamics through fuzzy enhanced high level petri net. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , <b>2005</b> , 30, 403-429	1	7
4	Evaluation of the supplier performance using an evolutionary fuzzy-based approach. <i>Journal of Manufacturing Technology Management</i> , <b>2004</b> , 15, 735-744	7.1	70
3	Modelling and analysis of wafer fabrication scheduling via generalized stochastic Petri net and simulated annealing. <i>International Journal of Production Research</i> , <b>2003</b> , 41, 3501-3527	7.8	34
2	Impact of agri-fresh food supply chain quality practices on organizational sustainability. <i>Operations Management Research</i> ,1	3.6	3
1	Assessing supply chain resilience to the outbreak of COVID-19 in Indian manufacturing firms. <i>Operations Management Research</i> ,1	3.6	2