

Sameer Kumar

List of Publications by Year in descending order

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117
papers

3,834
citations

172457

29
h-index

144013

57
g-index

119
all docs

119
docs citations

119
times ranked

3316
citing authors

#	ARTICLE	IF	CITATIONS
1	Measuring supply chain resilience using a deterministic modeling approach. Computers and Industrial Engineering, 2014, 74, 11-25.	6.3	315
2	Designing an integrated AHP based decision support system for supplier selection in automotive industry. Expert Systems With Applications, 2016, 62, 273-283.	7.6	280
3	A comprehensive environment friendly approach for supplier selection. Omega, 2014, 42, 109-123.	5.9	255
4	Industry 4.0 adoption and 10R advance manufacturing capabilities for sustainable development. International Journal of Production Economics, 2021, 231, 107844.	8.9	255
5	A green supply chain is a requirement for profitability. International Journal of Production Research, 2012, 50, 1278-1296.	7.5	231
6	Supply chain resilience: model development and empirical analysis. International Journal of Production Research, 2017, 55, 6779-6800.	7.5	182
7	Strategic alliance in a closed-loop supply chain, a case of manufacturer and eco-non-profit organization. Technovation, 2006, 26, 1127-1135.	7.8	145
8	Supply chain disruptions and resilience: a major review and future research agenda. Annals of Operations Research, 2022, 319, 965-1002.	4.1	113
9	Big data analytics in health sector: Theoretical framework, techniques and prospects. International Journal of Information Management, 2020, 50, 206-216.	17.5	108
10	Prevention and management of product recalls in the processed food industry: a case study based on an exporter's perspective. Technovation, 2006, 26, 739-750.	7.8	107
11	Exploratory analysis of global cosmetic industry: major players, technology and market trends. Technovation, 2005, 25, 1263-1272.	7.8	96
12	Before and after disaster strikes: A relief supply chain decision support framework. International Journal of Production Economics, 2013, 145, 613-629.	8.9	86
13	Bridging and buffering: Strategies for mitigating supply risk and improving supply chain performance. International Journal of Production Economics, 2016, 180, 183-197.	8.9	84
14	Values, challenges and future directions of big data analytics in healthcare: A systematic review. Social Science and Medicine, 2019, 241, 112533.	3.8	84
15	Managing recalls in a consumer product supply chain – root cause analysis and measures to mitigate risks. International Journal of Production Research, 2011, 49, 235-253.	7.5	72
16	RFID in the healthcare supply chain: usage and application. International Journal of Health Care Quality Assurance, 2009, 22, 67-81.	0.9	69
17	Humanitarian operations and crisis/disaster management: A retrospective review of the literature and framework for development. International Journal of Disaster Risk Reduction, 2016, 20, 1-13.	3.9	66
18	Closed-loop supply chain network design and modelling under risks and demand uncertainty: an integrated robust optimization approach. Annals of Operations Research, 2020, 290, 837-864.	4.1	59

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19	The Evolution of Global Positioning System (GPS) Technology. Journal of Science Education and Technology, 2002, 11, 59-80.	3.9	53
20	Overcoming barriers to electronic medical record (EMR) implementation in the US healthcare system: A comparative study. Health Informatics Journal, 2010, 16, 306-318.	2.1	53
21	Eliminating US hospital medical errors. International Journal of Health Care Quality Assurance, 2008, 21, 444-471.	0.9	49
22	Globalization of Health Care Delivery in the United States through Medical Tourism. Journal of Health Communication, 2012, 17, 177-198.	2.4	43
23	A journey from normative to behavioral operations in supply chain management: A review using Latent Semantic Analysis. Expert Systems With Applications, 2015, 42, 796-809.	7.6	43
24	Strategies for ensuring required service level for COVID-19 herd immunity in Indian vaccine supply chain. European Journal of Operational Research, 2023, 304, 339-352.	5.7	43
25	Stage implementation of RFID in hospitals. Technology and Health Care, 2010, 18, 31-46.	1.2	42
26	An integrated buyer initiated decision-making process for green supplier selection. Journal of Manufacturing Systems, 2016, 41, 256-265.	13.9	40
27	Challenges with the introduction of radio-frequency identification systems into a manufacturer's supply chain – a pilot study. Enterprise Information Systems, 2011, 5, 235-253.	4.7	39
28	A knowledge based reliability engineering approach to manage product safety and recalls. Expert Systems With Applications, 2014, 41, 5323-5339.	7.6	39
29	Examining quality and efficiency of the US healthcare system. International Journal of Health Care Quality Assurance, 2011, 24, 366-388.	0.9	34
30	Current trends in disaster management simulation modelling research. Annals of Operations Research, 2019, 283, 1387-1411.	4.1	33
31	Social media effectiveness as a humanitarian response to mitigate influenza epidemic and COVID-19 pandemic. Annals of Operations Research, 2022, 319, 823-851.	4.1	30
32	A manufacturing decision framework for minimizing inventory costs of a configurable off-shored product using postponement. International Journal of Production Research, 2009, 47, 143-162.	7.5	29
33	A closed loop outsourcing decision model for developing effective manufacturing strategy. International Journal of Production Research, 2010, 48, 1873-1900.	7.5	27
34	Analyzing a lost-sale stochastic inventory model with Markov-modulated demands: A simulation-based optimization study. Journal of Manufacturing Systems, 2016, 38, 1-12.	13.9	23
35	Exploring benefits and ethical challenges in the rise of mHealth (mobile healthcare) technology for the common good: An analysis of mobile applications for health specialists. Technovation, 2023, 121, 102598.	7.8	23
36	Outsourcing and strategic alliances for product development: a case of Banta Digital Group. Technovation, 2004, 24, 1001-1010.	7.8	22

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37	Modeling hospital surgical delivery process design using system simulation: Optimizing patient flow and bed capacity as an illustration. <i>Technology and Health Care</i> , 2011, 19, 1-20.	1.2	19
38	Impacts of Exploration and Exploitation on Firm's Performance and the Moderating Effects of Slack: A Panel Data Analysis. <i>IEEE Transactions on Engineering Management</i> , 2019, 66, 613-620.	3.5	19
39	Identification and ranking of the risk factors involved in PLM implementation. <i>International Journal of Production Economics</i> , 2020, 222, 107496.	8.9	19
40	Modeling the effects of labor on housing reconstruction: A system perspective. <i>International Journal of Disaster Risk Reduction</i> , 2015, 12, 154-162.	3.9	18
41	Green supplier selection: a new genetic/immune strategy with industrial application. <i>Enterprise Information Systems</i> , 2016, 10, 911-943.	4.7	18
42	Improved new product development through enhanced design architecture for engineer-to-order companies. <i>International Journal of Production Research</i> , 2009, 47, 4235-4254.	7.5	17
43	Utilizing DMAIC Six Sigma and Evidence-Based Medicine to Streamline Diagnosis in Chest Pain. <i>Quality Management in Health Care</i> , 2010, 19, 107-116.	0.8	17
44	Reverse auctions: How much total supply chain cost savings are there? – A conceptual overview. <i>Journal of Revenue and Pricing Management</i> , 2007, 6, 77-85.	1.1	16
45	Universal supplier selection via multi-dimensional auction mechanisms for two-way competition in oligopoly market of supply chain. <i>Omega</i> , 2014, 47, 127-137.	5.9	16
46	Specialty hospitals emulating focused factories. <i>International Journal of Health Care Quality Assurance</i> , 2010, 23, 94-109.	0.9	15
47	Decision framework for the analysis and selection of appropriate transfer pricing for a resilient global SME manufacturing operation – a business case. <i>International Journal of Production Research</i> , 2011, 49, 5431-5448.	7.5	15
48	The business case for implementing electronic health records in primary care settings in the United States. <i>Journal of Revenue and Pricing Management</i> , 2011, 10, 119-131.	1.1	15
49	Reducing the cost of humanitarian operations through disaster preparation and preparedness. <i>Annals of Operations Research</i> , 2019, 283, 1139-1152.	4.1	15
50	Quantifying Supply Chain Trade-Offs Using Six Sigma, Simulation, and Designed Experiments to Develop a Flexible Distribution Network. <i>Quality Engineering</i> , 2011, 23, 180-203.	1.1	14
51	Calculating trust in domain analysis: Theoretical trust model. <i>International Journal of Information Management</i> , 2019, 48, 1-11.	17.5	13
52	The medical and societal impact of big data analytics and artificial intelligence applications in combating pandemics: A review focused on Covid-19. <i>Social Science and Medicine</i> , 2022, 301, 114973.	3.8	13
53	A comparative analysis of key information technology players. <i>Technovation</i> , 2006, 26, 836-846.	7.8	12
54	Impact of agri-fresh food supply chain quality practices on organizational sustainability. <i>Operations Management Research</i> , 2022, 15, 146-165.	8.5	12

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55	Business process redesign as a tool for organizational development. Technovation, 2004, 24, 853-861.	7.8	11
56	Measuring and mitigating the effects of cost disturbance propagation in multi-echelon apparel supply chains. European Journal of Operational Research, 2020, 282, 148-160.	5.7	11
57	Using Six Sigma DMAIC to design a high-quality summer lodge operation. Journal of Retail and Leisure Property, 2009, 8, 173-191.	0.4	10
58	Managing risks in a relief supply chain in the wake of an adverse event. OR Insight, 2011, 24, 131-157.	0.1	10
59	Planning for avian flu disruptions on global operations: a DMAIC case study. International Journal of Health Care Quality Assurance, 2012, 25, 197-215.	0.9	10
60	A novel TOPSISâ€‘CBR goal programming approach to sustainable healthcare treatment. Annals of Operations Research, 2022, 312, 1403-1425.	4.1	10
61	Pouring cement down one of your oil wells: Relationship between the supply chain disruption orientation and performance. Production and Operations Management, 2022, 31, 2084-2106.	3.8	10
62	Studying the operational efficiencies of a multi-product supply chain using excel spreadsheet model. Technovation, 2006, 26, 1186-1200.	7.8	9
63	Revenue management for a home construction products manufacturer. Journal of Revenue and Pricing Management, 2007, 5, 256-270.	1.1	9
64	Effects of product postponement on the distribution network: a case study. Journal of the Operational Research Society, 2009, 60, 471-480.	3.4	9
65	An Explorative Study of the Relationship of Export Intermediaries and Their Trading Partners. Supply Chain Forum, 2007, 8, 12-31.	4.2	8
66	Phase reviews versus fast product development: a business case. Journal of Engineering Design, 2007, 18, 279-291.	2.3	8
67	A Profit And Loss Analysis For Make-To-Order Versus Make-To-Stock Policyâ€‘a Supply Chain Case Study. Engineering Economist, 2007, 52, 141-156.	1.1	8
68	Supply chain analysis of e-tailing versus retailing operation â€‘ a case study. Enterprise Information Systems, 2016, 10, 639-665.	4.7	8
69	Critical Barriers to PLM Institutionalization in Manufacturing Organizations. IEEE Transactions on Engineering Management, 2021, 68, 1436-1448.	3.5	8
70	Reverse auctions: How much total supply chain cost savings are there? â€‘ A business simulation model. Journal of Revenue and Pricing Management, 2007, 6, 229-240.	1.1	7
71	Flexible capacity design for the Focus Factoryâ€‘a case study. International Journal of Production Research, 2009, 47, 1269-1286.	7.5	7
72	Six sigma tools in integrating internal operations of a retail pharmacy: A case study. Technology and Health Care, 2011, 19, 115-133.	1.2	7

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73	Risk Assessment and Operational Approaches to Manage Risk in Global Supply Chains. Transportation Journal, 2013, 52, 391-411.	0.7	7
74	U.S. healthcare fix: Leveraging the lessons from the food supply chain. Technology and Health Care, 2013, 21, 125-141.	1.2	7
75	The Hexopater™, from birth to market: innovative product development challenges. Journal of Engineering Design, 2006, 17, 271-289.	2.3	6
76	A decision modelling framework to analyse offshore outsourcing changes for US manufacturers. Journal of Revenue and Pricing Management, 2009, 8, 424-437.	1.1	6
77	Review of the Semiconductor Industry and Technology Roadmap. Journal of Science Education and Technology, 2002, 11, 229-236.	3.9	5
78	Is Your Supply Chain Business Operation a Good Fit for Online Reverse Auctions?. Transportation Journal, 2013, 52, 121-133.	0.7	5
79	Achieving Excellence in Exploration and Exploitation by Matching Appropriate Resources. IEEE Engineering Management Review, 2018, 46, 103-107.	1.3	5
80	Scenario-robust pre-disaster planning for multiple relief items. Annals of Operations Research, 2021, , 1-26.	4.1	5
81	Measuring technical efficiency of specialty hospitals in the US. Journal of Revenue and Pricing Management, 2008, 7, 139-152.	1.1	4
82	HIPAA's effects on US healthcare. International Journal of Health Care Quality Assurance, 2009, 22, 183-197.	0.9	4
83	Knowledge for sale – the benefits and effects of off-shoring knowledge-based jobs in engineering, design, and R&D – a case study. Knowledge Management Research and Practice, 2010, 8, 351-368.	4.1	4
84	Modeling patient flow operation of a US urban county hospital. Technology and Health Care, 2011, 19, 247-260.	1.2	4
85	Institutionalization of Product Lifecycle Management in Manufacturing Firms. IEEE Transactions on Engineering Management, 2023, 70, 3465-3480.	3.5	4
86	What affects consumer behavior in mobile health professional diagnosis applications. Decision Sciences, 2023, 54, 315-333.	4.5	4
87	Supply Chain Integration Challenges For a Storage Technology Leader. Supply Chain Forum, 2002, 3, 34-43.	4.2	3
88	Developing a Global Health Diplomacy Supply Chain – A Viable Option for the United States to Curb Extremism. Journal of Health Communication, 2009, 14, 674-689.	2.4	3
89	The Effects of China's Economic Growth on Domestic and International Supply Chains: Assessing the Risks. Supply Chain Forum, 2009, 10, 10-21.	4.2	3
90	Exploring the impact of management of chronic illnesses through prevention on the U.S. healthcare delivery system – A closed loop system's modeling study. Information, Knowledge, Systems Management, 2010, 9, 127-152.	0.3	3

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91	Multidimensional utility analysis in a two-tier supply chain. Journal of Manufacturing Systems, 2015, 37, 437-447.	13.9	3
92	What are the Stumbling Blocks to Making Product Lifecycle Management Routine in Organizations?. IEEE Engineering Management Review, 2019, 47, 123-127.	1.3	3
93	A Perspective on Improving the Multicriteria Decision-Making Environment. IEEE Engineering Management Review, 2021, 49, 196-203.	1.3	3
94	CPG Food and Beverage Market Dynamics and Supporting Supply Chain Systems. Supply Chain Forum, 2004, 5, 50-63.	4.2	2
95	Supply chain management challenges for aerospace control technologies leader. Technovation, 2005, 25, 53-58.	7.8	2
96	Decision support model based on risk “ return tradeoff for examining viability of a business venture. Journal of Revenue and Pricing Management, 2009, 8, 81-95.	1.1	2
97	An ounce of prevention: Revenue and cost economics of partnering with health and wellness services. Journal of Revenue and Pricing Management, 2011, 10, 401-423.	1.1	2
98	Utilizing contract theory to reduce double marginalization for pre-recorded music products within the retail supply chain “ A case study. Journal of Revenue and Pricing Management, 2011, 10, 382-391.	1.1	2
99	Will aging voting machines cause more voters to experience long waits?. International Journal of Production Economics, 2018, 198, 1-10.	8.9	2
100	US adults with unmet mental health treatment needs: Profiling and underlying causes using machine learning techniques. IJSE Transactions on Healthcare Systems Engineering, 2019, 9, 186-199.	1.7	2
101	An Exploratory Analysis of Competing Supply Chains in the Personal Computer Industry. Supply Chain Forum, 2005, 6, 16-31.	4.2	1
102	Development of a hospital based menu driven clinician coding tool to implement quality reimbursement process in the U.S. “ A cardiologist's diagnoses as an illustration. Technology and Health Care, 2011, 19, 423-434.	1.2	1
103	Leveraging product design and development in manufacturing using technology function deployment approach. International Journal of Computer Integrated Manufacturing, 2012, 25, 578-593.	4.6	1
104	Lessons for strategic organizational growth “ performance challenges for U.S. automakers. Human Systems Management, 2012, 31, 203-218.	1.1	1
105	Supply chain analysis methodology “ Leveraging optimization and simulation software. OR Insight, 2013, 26, 87-119.	0.1	1
106	Service delivery of care to children who have had strokes: Review of the initial diagnosis and ongoing treatments. Journal of Pediatric Neurology, 2015, 07, 231-249.	0.2	1
107	The Interactive Weighting Method Concerning Consistency, Inadequacy, Complementary and Supplementary Properties of Criteria. IEEE Transactions on Engineering Management, 2022, 69, 2014-2025.	3.5	1
108	Modeling patient flow operation of a US urban county hospital. Technology and Health Care, 2011, 19, 247-60.	1.2	1

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109	E-management of scalable cooperative supply chains: Conceptual modelling and information technologies. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2000, 33, 463-468.	0.4	0
110	Global Operations and Logistics Trends in the Household and Personal Care Products Market. Supply Chain Forum, 2003, 4, 10-20.	4.2	0
111	Exploring Operational and Logistical Challenges in the Department Stores Industry. Supply Chain Forum, 2004, 5, 42-58.	4.2	0
112	Educating rational decision-makers about uncertainty using US social security investment economics. Journal of the Operational Research Society, 2007, 58, 1294-1305.	3.4	0
113	Leading cost accounting students on a journey from naïve analysis to realistic analysis – A probabilistic systems thinking. Human Systems Management, 2010, 29, 11-26.	1.1	0
114	Linking procurement operations to power-influence in a supply chain. Journal of Manufacturing Systems, 2016, 41, 201-210.	13.9	0
115	Why do many diabetic patients not take the A1C test as recommended?. IJSE Transactions on Healthcare Systems Engineering, 2017, 7, 145-154.	1.7	0
116	What does it take for your organization to institutionalize product lifecycle management. IEEE Engineering Management Review, 2022, , 1-1.	1.3	0
117	Responsible health technology. Are we there yet The case of mHealth apps for medical practitioners. IEEE Engineering Management Review, 2022, , 1-1.	1.3	0