Sachin Kumar Mangla

List of Publications by Year
in descending order

136 papers	10,304 citations	28274 55 h-index	39675 94 g-index
140 all docs	140 docs citations	140 times ranked	5248 citing authors

#	Article	IF	Citations
1	An integrated framework for sustainable supplier selection and evaluation in supply chains. Journal of Cleaner Production, 2017, 140, 1686-1698.	9.3	617
2	Evaluating challenges to Industry 4.0 initiatives for supply chain sustainability in emerging economies. Chemical Engineering Research and Design, 2018, 117, 168-179.	5.6	536
3	Risk analysis in green supply chain using fuzzy AHP approach: A case study. Resources, Conservation and Recycling, 2015, 104, 375-390.	10.8	351
4	Barriers to effective circular supply chain management in a developing country context. Production Planning and Control, 2018, 29, 551-569.	8.8	344
5	A framework to overcome sustainable supply chain challenges through solution measures of industry 4.0 and circular economy: An automotive case. Journal of Cleaner Production, 2020, 254, 120112.	9.3	326
6	Industry 4.0 as an enabler of sustainability diffusion in supply chain: an analysis of influential strength of drivers in an emerging economy. International Journal of Production Research, 2020, 58, 1505-1521.	7.5	230
7	Linking big data analytics and operational sustainability practices for sustainable business management. Journal of Cleaner Production, 2019, 224, 10-24.	9.3	222
8	Enablers to implement sustainable initiatives in agri-food supply chains. International Journal of Production Economics, 2018, 203, 379-393.	8.9	213
9	COVID-19 impact on sustainable production and operations management. Sustainable Operations and Computers, 2020, 1, 1-7.	13.1	211
10	Prioritizing the barriers to achieve sustainable consumption and production trends in supply chains using fuzzy Analytical Hierarchy Process. Journal of Cleaner Production, 2017, 151, 509-525.	9.3	207
11	Using AHP to evaluate barriers in adopting sustainable consumption and production initiatives in a supply chain. International Journal of Production Economics, 2016, 181, 342-349.	8.9	185
12	Procurement 4.0 and its implications on business process performance in a circular economy. Resources, Conservation and Recycling, 2020, 152, 104502.	10.8	169
13	Barriers to the Development of Smart Cities in Indian Context. Information Systems Frontiers, 2019, 21, 503-525.	6.4	154
14	A combined approach using AHP and DEMATEL for evaluating success factors in implementation of green supply chain management in Indian manufacturing industries. International Journal of Logistics Research and Applications, 2016, 19, 537-561.	8.8	150
15	Flexible Decision Approach for Analysing Performance of Sustainable Supply Chains Under Risks/Uncertainty. Global Journal of Flexible Systems Management, 2014, 15, 113-130.	6.3	146
16	Effects of technological changes on China's carbon emissions. Technological Forecasting and Social Change, 2020, 153, 119938.	11.6	145
17	Critical success factors for reverse logistics in Indian industries: a structural model. Journal of Cleaner Production, 2016, 129, 608-621.	9.3	142
18	SYNCHRONIZED BARRIERS FOR CIRCULAR SUPPLY CHAINS IN INDUSTRY 3.5/INDUSTRY 4.0 TRANSITION FOR SUSTAINABLE RESOURCE MANAGEMENT. Resources, Conservation and Recycling, 2020, 161, 104986.	10.8	137

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19	Evaluating factors in implementation of successful green supply chain management using DEMATEL: A case study. International Strategic Management Review, 2015, 3, 96-109.	2.3	136
20	When stakeholder pressure drives the circular economy. Management Decision, 2019, 57, 904-920.	3.9	134
21	When challenges impede the process. Management Decision, 2019, 57, 995-1017.	3.9	126
22	Circular economy and the policy: A framework for improving the corporate environmental management in supply chains. Business Strategy and the Environment, 2021, 30, 590-608.	14.3	125
23	Modelling critical success factors for sustainability initiatives in supply chains in Indian context using Grey-DEMATEL. Production Planning and Control, 2018, 29, 705-728.	8.8	124
24	Development of a lean manufacturing framework to enhance its adoption within manufacturing companies in developing economies. Journal of Cleaner Production, 2020, 245, 118726.	9.3	124
25	Analysis of flexible decision strategies for sustainability-focused green product recovery system. International Journal of Production Research, 2013, 51, 3428-3442.	7.5	123
26	Mitigate risks in perishable food supply chains: Learning from COVID-19. Technological Forecasting and Social Change, 2021, 166, 120643.	11.6	123
27	When strategies matter: Adoption of sustainable supply chain management practices in an emerging economyâ€™s context. Resources, Conservation and Recycling, 2018, 138, 194-206.	10.8	118
28	Applications of information and communication technology for sustainable growth of SMEs in India food industry. Resources, Conservation and Recycling, 2019, 147, 10-18.	10.8	117
29	Developing a sustainable smart city framework for developing economies: An Indian context. Sustainable Cities and Society, 2019, 47, 101462.	10.4	113
30	When risks need attention: adoption of green supply chain initiatives in the pharmaceutical industry. International Journal of Production Research, 2019, 57, 3554-3576.	7.5	109
31	Big Data Analytics as a mediator in Lean, Agile, Resilient, and Green (LARG) practices effects on sustainable supply chains. Transportation Research, Part E: Logistics and Transportation Review, 2021, 145, 102170.	7.4	109
32	Structural model for sustainable consumption and production adoptionâ€"A grey-DEMATEL based approach. Resources, Conservation and Recycling, 2017, 125, 198-207.	10.8	107
33	Evaluating the human resource related soft dimensions in green supply chain management implementation. Production Planning and Control, 2019, 30, 699-715.	8.8	97
34	Evaluating the enablers in solar power developments in the current scenario using fuzzy DEMATEL: An Indian perspective. Renewable and Sustainable Energy Reviews, 2016, 63, 379-397.	16.4	95
35	Modeling the Industry 4.0 adoption for sustainable production in Micro, Small & Medium Enterprises. Journal of Cleaner Production, 2021, 279, 123489.	9.3	93
36	What do we know about business strategy and environmental research? Insights from Business Strategy and the Environment. Business Strategy and the Environment, 2021, 30, 3454-3469.	14.3	93

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37	Sustainable assessment in energy planning and management in Indian perspective. Renewable and Sustainable Energy Reviews, 2015, 47, 58-73.	16.4	88
38	Examining the performance oriented indicators for implementing green management practices in the Indian agro sector. Journal of Cleaner Production, 2019, 215, 926-943.	9.3	88
39	A step to clean energy - Sustainability in energy system management in an emerging economy context. Journal of Cleaner Production, 2020, 242, 118462.	9.3	86
40	The adoption of operational environmental sustainability approaches in the Thai manufacturing sector. Journal of Cleaner Production, 2019, 220, 507-528.	9.3	83
41	Hybrid BWM-ELECTRE-based decision framework for effective offshore outsourcing adoption: a case study. International Journal of Production Research, 2018, 56, 6259-6278.	7.5	81
42	Past, present, and future of sustainable finance: insights from big data analytics through machine learning of scholarly research. Annals of Operations Research, 2022, , 1-44.	4.1	81
43	Challenges in perishable food supply chains for sustainability management: A developing economy perspective. Business Strategy and the Environment, 2020, 29, 1809-1831.	14.3	80
44	Change management for sustainability: Evaluating the role of human, operational and technological factors in leading Indian firms in home appliances sector. Journal of Cleaner Production, 2019, 213, 847-862.	9.3	78
45	Analyzing challenges to Internet of Things (IoT) adoption and diffusion: An Indian context. Procedia Computer Science, 2018, 125, 733-739.	2.0	77
46	Mobile wallet inhibitors: Developing a comprehensive theory using an integrated model. Journal of Retailing and Consumer Services, 2018, 45, 52-63.	9.4	76
47	A systematic literature review to integrate lean, agile, resilient, green and sustainable paradigms in the supply chain management. Business Strategy and the Environment, 2021, 30, 1191-1212.	14.3	73
48	Prioritizing the responses to manage risks in green supply chain: An Indian plastic manufacturer perspective. Sustainable Production and Consumption, 2015, 1, 67-86.	11.0	72
49	Flexible Decision Modeling for Evaluating the Risks in Green Supply Chain Using Fuzzy AHP and IRP Methodologies. Global Journal of Flexible Systems Management, 2015, 16, 19-35.	6.3	72
50	Logistics and distribution challenges to managing operations for corporate sustainability: Study on leading Indian diary organizations. Journal of Cleaner Production, 2019, 238, 117620.	9.3	72
51	Risk analysis of the agri-food supply chain: A multi-method approach. International Journal of Production Research, 2020, 58, 4851-4876.	7.5	72
52	Performance evaluation of reverse logistics in food supply chains in a circular economy using system dynamics. Business Strategy and the Environment, 2021, 30, 71-91.	14.3	72
53	A Flexible Decision Framework for Building Risk Mitigation Strategies in Green Supply Chain Using SAPâ€"LAP and IRP Approaches. Global Journal of Flexible Systems Management, 2014, 15, 203-218.	6.3	69
54	Green talent management to unlock sustainability in the oil and gas sector. Journal of Cleaner Production, 2019, 229, 850-862.	9.3	69

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55	Predicting changing pattern: building model for consumer decision making in digital market. Journal of Enterprise Information Management, 2018, 31, 674-703.	7.5	67
56	Using system dynamics to analyze the societal impacts of blockchain technology in milk supply chainsrefer. Transportation Research, Part E: Logistics and Transportation Review, 2021, 149, 102289.	7.4	66
57	Critical success factors influencing artificial intelligence adoption in food supply chains. International Journal of Production Research, 2022, 60, 4621-4640.	7.5	66
58	Operational excellence for improving sustainable supply chain performance. Resources, Conservation and Recycling, 2020, 162, 105025.	10.8	64
59	Prioritising indicators in improving supply chain performance using fuzzy AHP: insights from the case example of four Indian manufacturing companies. Production Planning and Control, 2017, 28, 552-573.	8.8	63
60	Environmental management and the â€œsoft sideâ€•of organisations: Discovering the most relevant behavioural factors in green supply chains. Business Strategy and the Environment, 2020, 29, 1647-1665.	14.3	63
61	Decision modeling of risks in pharmaceutical supply chains. Industrial Management and Data Systems, 2018, 118, 1388-1412.	3.7	61
62	Understanding choice behavior towards plastic consumption: An emerging market investigation. Resources, Conservation and Recycling, 2021, 174, 105828.	10.8	58
63	An analysis of causal relationships among challenges impeding redistributed manufacturing in emerging economies. Journal of Cleaner Production, 2019, 225, 949-962.	9.3	57
64	Critical factors to environment management in a closed loop supply chain. Journal of Cleaner Production, 2020, 255, 120239.	9.3	55
65	An integrated methodology of FTA and fuzzy AHP for risk assessment in green supply chain. International Journal of Operational Research, 2016, 25, 77.	0.2	54
66	Exploring indicators of circular economy adoption framework through a hybrid decision support approach. Journal of Cleaner Production, 2020, 277, 124186.	9.3	53
67	Identification and evaluation of critical factors to technology transfer using AHP approach. International Strategic Management Review, 2015, 3, 24-42.	2.3	52
68	Mediating effect of big data analytics on project performance of small and medium enterprises. Journal of Enterprise Information Management, 2021, 34, 168-198.	7.5	52
69	A conceptual framework for blockchainâ€based sustainable supply chain and evaluating implementation barriers: A case of the tea supply chain. Business Strategy and the Environment, 2022, 31, 3693-3716.	14.3	51
70	Analysis of Performance Focused Variables for Multi-Objective Flexible Decision Modeling Approach of Product Recovery Systems. Global Journal of Flexible Systems Management, 2012, 13, 77-86.	6.3	50
71	Benchmarking the risk assessment in green supply chain using fuzzy approach to FMEA. Benchmarking, 2018, 25, 2660-2687.	4.6	50
72	Is lean synergistic with sustainable supply chain? An empirical investigation from emerging economy. Resources, Conservation and Recycling, 2018, 139, 262-269.	10.8	50

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73	Past, present, and future of knowledge management for business sustainability. Journal of Cleaner Production, 2021, 328, 129592.	9.3	50
74	Evaluating the Drivers to Information and Communication Technology for Effective Sustainability Initiatives in Supply Chains. International Journal of Information Technology and Decision Making, 2018, 17, 311-338.	3.9	45
75	Lateral inventory share-based models for IoT-enabled E-commerce sustainable food supply networks. Computers and Operations Research, 2021, 130, 105237.	4.0	44
76	Role of flexibility, agility and responsiveness for sustainable supply chain resilience during COVID-19. Journal of Cleaner Production, 2022, 362, 132431.	9.3	40
77	Exploring the application of Industry 4.0 technologies in the agricultural food supply chain: A systematic literature review. Computers and Industrial Engineering, 2022, 169, 108304.	6.3	40
78	Stakeholder pressure for sustainability: Can â€˜innovative capabilitiesâ€™ explain the idiosyncratic response in the manufacturing firms?. Business Strategy and the Environment, 2020, 29, 2635-2653.	14.3	35
79	A fuzzy based hybrid decision framework to circularity in dairy supply chains through big data solutions. Technological Forecasting and Social Change, 2021, 170, 120927.	11.6	34
80	Managing healthcare waste for sustainable environmental development: A hybrid decision approach. Business Strategy and the Environment, 2021, 30, 357-373.	14.3	33
81	Exploring the green waste management problem in food supply chains: A circular economy context. Journal of Cleaner Production, 2022, 351, 131355.	9.3	33
82	Using system dynamics to assess the environmental management of cement industry in streaming data context. Science of the Total Environment, 2020, 715, 136948.	8.0	32
83	Operational excellence in a green supply chain for environmental management: A case study. Business Strategy and the Environment, 2020, 29, 1532-1547.	14.3	32
84	Industry 4.0 impacts on responsible environmental and societal management in the family business. Technological Forecasting and Social Change, 2021, 173, 121108.	11.6	32
85	An integrated literature review on sustainable food supply chains: Exploring research themes and future directions. Science of the Total Environment, 2022, 821, 153411.	8.0	31
86	Resources melioration and the circular economy: Sustainability potentials for mineral, mining and extraction sector in emerging economies. Resources Policy, 2022, 77, 102652.	9.6	31
87	ICT as â€œKnowledge Managementâ€•for Assessing Sustainable Consumption and Production in Supply Chains. Journal of Global Information Management, 2021, 29, 164-198.	2.8	30
88	Technological interventions in social business: Mapping current research and establishing future research agenda. Technological Forecasting and Social Change, 2021, 169, 120818.	11.6	30
89	A Green Dual-Channel Closed-Loop Supply Chain Network Design Model. Journal of Cleaner Production, 2022, 332, 130062.	9.3	30
90	Impact of information hiding on circular food supply chains in business-to-business context. Journal of Business Research, 2021, 135, 1-18.	10.2	29

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91	Benchmarking the logistics management implementation using Delphi and fuzzy DEMATEL. Benchmarking, 2018, 25, 1795-1828.	4.6	28
92	Mapping the human resource focused enablers with sustainability viewpoints in Indian power sector. Journal of Cleaner Production, 2019, 210, 1311-1323.	9.3	28
93	Risk assessment for sustainability in e-waste recycling in circular economy. Clean Technologies and Environmental Policy, 2022, 24, 1145-1157.	4.1	28
94	Modeling the emergency health-care supply chains: responding to the COVID-19 pandemic. Journal of Business and Industrial Marketing, 2022, 37, 1623-1639.	3.0	28
95	Assessing dairy supply chain vulnerability during the Covid-19 pandemic. International Journal of Logistics Research and Applications, 0, , 1-19.	8.8	27
96	The Impact of IoT on the Performance of Vaccine Supply Chain Distribution in the COVID-19 Context. IEEE Transactions on Engineering Management, 2024, , 1-11.	3.5	27
97	Integration of green and lean practices for sustainable business management. Business Strategy and the Environment, 2022, 31, 353-370.	14.3	26
98	Barriers to organic waste management in a circular economy. Journal of Cleaner Production, 2022, 362, 132282.	9.3	26
99	Impact of information technology and knowledge sharing on circular food supply chains for green business growth. Business Strategy and the Environment, 2022, 31, 1875-1904.	14.3	25
100	Monte Carlo Simulation Based Approach to Manage Risks in Operational Networks in Green Supply Chain. Procedia Engineering, 2014, 97, 2186-2194.	1.2	24
101	Data-driven optimal dynamic pricing strategy for reducing perishable food waste at retailers. Journal of Cleaner Production, 2022, 344, 131068.	9.3	24
102	Key operational and institutional factors for improving food safety: a case study from Chile. Production Planning and Control, 2021, 32, 1248-1264.	8.8	23
103	Using emerging technologies to improve the sustainability and resilience of supply chains in a fuzzy environment in the context of COVID-19. Annals of Operations Research, 2023, 322, 217-240.	4.1	23
104	Ranking the Success Factors to Improve Safety and Security in Sustainable Food Supply Chain Management Using Fuzzy AHP. Materials Today: Proceedings, 2018, 5, 12187-12196.	1.8	22
105	Barriers for adoption of Industry 4.0 in sustainable food supply chain: a circular economy perspective. International Journal of Productivity and Performance Management, 2024, 73, 385-411.	3.7	22
106	A framework to assess the challenges to food safety initiatives in an emerging economy. Journal of Cleaner Production, 2021, 284, 124709.	9.3	21
107	Data analytics for quality management in Industry 4.0 from a MSME perspective. Annals of Operations Research, 0, , 1.	4.1	20
108	Leveraging big data analytics capabilities in making reverse logistics decisions and improving remanufacturing performance. International Journal of Logistics Management, 2021, 32, 742-765.	6.6	19

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109	Unlocking causal relations of barriers to big data analytics in manufacturing firms. Industrial Management and Data Systems, 2021, 121, 1939-1968.	3.7	18
110	Identify and prioritise the critical factors in implementing the reverse logistics practices: a case of Indian auto component manufacturer. International Journal of Business and Systems Research, 2017, 11, 42.	0.3	17
111	Fifteen years of international journal of productivity and performance management (2004â€"2018). International Journal of Productivity and Performance Management, 2021, 70, 1092-1117.	3.7	17
112	Social responsibility and cost-learning in dyadic supply chain coordination. Transportation Research, Part E: Logistics and Transportation Review, 2021, 156, 102549.	7.4	17
113	Mediating role of cloud of things in improving performance of small and medium enterprises in the Indian context. Annals of Operations Research, 2020, , 1.	4.1	16
114	Smart circular supply chains toÂachieving SDGs for post-pandemic preparedness. Journal of Enterprise Information Management, 2022, 35, 237-265.	7.5	16
115	Resilience and complexity measurement for energy efficient global supply chains in disruptive events. Technological Forecasting and Social Change, 2022, 179, 121634.	11.6	16
116	The derived demand for advertising expenses and implications on sustainability: a comparative study using deep learning and traditional machine learning methods. Annals of Operations Research, 2022, , 1-31.	4.1	14
117	A fuzzy DEMATEL-based approach for evaluation of risks in green initiatives in supply chain. International Journal of Logistics Systems and Management, 2016, 24, 226.	0.2	13
118	Risks to Big Data Analytics and Blockchain Technology Adoption in Supply Chains. Annals of Operations Research, 2023, 327, 339-374.	4.1	13
119	Uncovering interrelationships between barriers to unmanned aerial vehicles in humanitarian logistics. Operations Management Research, 2022, 15, 1134-1160.	8.5	12
120	A decision framework for incorporating the coordination and behavioural issues in sustainable supply chains in digital economy. Annals of Operations Research, 2023, 326, 721-749.	4.1	12
121	Optimal number of remanufacturing in a circular economy platform. International Journal of Logistics Research and Applications, 2022, 25, 454-470.	8.8	11
122	A circular business cluster model for sustainable operations management. International Journal of Logistics Research and Applications, 0, , 1-19.	8.8	10
123	Socio-technological framework for selecting suppliers of pharmaceuticals in a pandemic environment. Journal of Enterprise Information Management, 2022, 35, 1570-1591.	7.5	10
124	Sustainable Food Supply Chain Management Implementation Using DEMATEL Approach. Springer Transactions in Civil and Environmental Engineering, 2018, , 115-125.	0.4	8
125	A proposed framework for multi-tier supplier performance in sustainable supply chains. International Journal of Production Research, 2023, 61, 4742-4764.	7.5	7
126	When practices count. Management of Environmental Quality, 2019, 31, 1207-1222.	4.3	6

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127	When challenges need an evaluation: for operational excellence and sustainability orientation in humanitarian supply and logistics management. Production Planning and Control, 2022, 33, 539-557.	8.8	4
128	Identify and prioritise the critical factors in implementing the reverse logistics practices: a case of Indian auto component manufacturer. International Journal of Business and Systems Research, 2017, 11, 42.	0.3	4
129	Management of Risks in Sustainable Supply Chain Using AHP and Monte Carlo Simulation. Advances in Business Strategy and Competitive Advantage Book Series, 2018, , 58-76.	0.3	3
130	Implementation of Sustainable Consumption and Production Using DEMATEL. Springer Transactions in Civil and Environmental Engineering, 2018, , 133-144.	0.4	2
131	Supply chain network redesign problem for major beverage organization in ASEAN region. Annals of Operations Research, 2023, 324, 1067-1098.	4.1	2
132	Risks in Sustainable Food Supply Chain Management. , 2021, , 265-280.		1
133	Management of Risks in Sustainable Supply Chain Using AHP and Monte Carlo Simulation. , 0, , 1633-1652.		1
134	Investigating Enablers to Improve Transparency in Sustainable Food Supply Chain Using F-BWM. Advances in Intelligent Systems and Computing, 2021, , 567-575.	0.6	1
135	Risks in Sustainable Food Supply Chain Management. Advances in Mechatronics and Mechanical Engineering, 2019, , 117-131.	1.0	0
136	ICT as â€œKnowledge Managementâ€•for Assessing Sustainable Consumption and Production in Supply Chains. , 2022, , 889-925.		0