

Nachiappan Subramanian

List of Publications by Year in descending order

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Version: 2024-02-01

127
papers

6,468
citations

71102

41
h-index

74163

75
g-index

130
all docs

130
docs citations

130
times ranked

5120
citing authors

#	ARTICLE	IF	CITATIONS
1	A review of applications of Analytic Hierarchy Process in operations management. <i>International Journal of Production Economics</i> , 2012, 138, 215-241.	8.9	462
2	Green human resource management and the enablers of green organisational culture: Enhancing a firm's environmental performance for sustainable development. <i>Business Strategy and the Environment</i> , 2019, 28, 737-749.	14.3	400
3	The impact of marketing capability, operations capability and diversification strategy on performance: A resource-based view. <i>Industrial Marketing Management</i> , 2010, 39, 317-329.	6.7	341
4	Critical barriers in implementing reverse logistics in the Chinese manufacturing sectors. <i>International Journal of Production Economics</i> , 2014, 147, 460-471.	8.9	243
5	Factors for implementing end-of-life computer recycling operations in reverse supply chains. <i>International Journal of Production Economics</i> , 2012, 140, 239-248.	8.9	209
6	Indian textile suppliers' sustainability evaluation using the grey approach. <i>International Journal of Production Economics</i> , 2012, 135, 647-658.	8.9	187
7	Information technology for competitive advantage within logistics and supply chains: A review. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2017, 99, 14-33.	7.4	180
8	Supply chain resilience: role of complexities and strategies. <i>International Journal of Production Research</i> , 2015, 53, 6809-6819.	7.5	179
9	Role of social media in retail network operations and marketing to enhance customer satisfaction. <i>International Journal of Operations and Production Management</i> , 2017, 37, 105-123.	5.9	155
10	Green supply chain collaboration and incentives: Current trends and future directions. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2015, 74, 1-10.	7.4	146
11	Food supply chain in the era of Industry 4.0: blockchain technology implementation opportunities and impediments from the perspective of people, process, performance, and technology. <i>Production Planning and Control</i> , 2022, 33, 301-321.	8.8	143
12	Service supply chain environmental performance evaluation using grey based hybrid MCDM approach. <i>International Journal of Production Economics</i> , 2015, 166, 163-176.	8.9	131
13	Product delivery service provider selection and customer satisfaction in the era of internet of things: A Chinese e-retailers' perspective. <i>International Journal of Production Economics</i> , 2015, 159, 104-116.	8.9	127
14	Ambiguity and its coping mechanisms in supply chains lessons from the Covid-19 pandemic and natural disasters. <i>International Journal of Operations and Production Management</i> , 2020, 40, 1201-1223.	5.9	117
15	Cleaner supply-chain management practices for twenty-first-century organizational competitiveness: Practice-performance framework and research propositions. <i>International Journal of Production Economics</i> , 2015, 164, 216-233.	8.9	110
16	Customer satisfaction and competitiveness in the Chinese E-retailing: Structural equation modeling (SEM) approach to identify the role of quality factors. <i>Expert Systems With Applications</i> , 2014, 41, 69-80.	7.6	109
17	Viability of remanufacturing practice: a strategic decision making framework for Chinese auto-parts companies. <i>Journal of Cleaner Production</i> , 2015, 105, 311-323.	9.3	109
18	Composite particle algorithm for sustainable integrated dynamic ship routing and scheduling optimization. <i>Computers and Industrial Engineering</i> , 2016, 96, 201-215.	6.3	104

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19	Balancing task allocation in multi-robot systems using K -means clustering and auction based mechanisms. <i>Expert Systems With Applications</i> , 2011, 38, 6486-6491.	7.6	103
20	The Impact of Integrated Practices of Lean, Green, and Social Management Systems on Firm Sustainability Performance—Evidence from Chinese Fashion Auto-Parts Suppliers. <i>Sustainability</i> , 2015, 7, 3838-3858.	3.2	96
21	Missing link between sustainability collaborative strategy and supply chain performance: Role of dynamic capability. <i>International Journal of Production Economics</i> , 2018, 203, 96-109.	8.9	93
22	Decision-making in cold chain logistics using data analytics: a literature review. <i>International Journal of Logistics Management</i> , 2018, 29, 839-861.	6.6	92
23	A genetic algorithm for optimal operating parameters of VMI system in a two-echelon supply chain. <i>European Journal of Operational Research</i> , 2007, 182, 1433-1452.	5.7	90
24	Supply chain collaboration performance metrics: a conceptual framework. <i>Benchmarking</i> , 2011, 18, 856-872.	4.6	85
25	Examining the interrelationships between supply chain integration scope and supply chain management efforts. <i>International Journal of Production Research</i> , 2010, 48, 6837-6857.	7.5	73
26	Green competence framework: evidence from China. <i>International Journal of Human Resource Management</i> , 2016, 27, 151-172.	5.3	72
27	Blockchain technology’s impact on supply chain integration and sustainable supply chain performance: evidence from the automotive industry. <i>Annals of Operations Research</i> , 2023, 327, 575-600.	4.1	72
28	Circular economy and digital capabilities of SMEs for providing value to customers: Combined resource-based view and ambidexterity perspective. <i>Journal of Business Research</i> , 2022, 142, 32-44.	10.2	72
29	Composite sustainable manufacturing practice and performance framework: Chinese auto-parts suppliers’ perspective. <i>International Journal of Production Economics</i> , 2015, 170, 219-233.	8.9	71
30	Assessing the readiness to implement lean in healthcare institutions – A case study. <i>International Journal of Production Economics</i> , 2018, 197, 123-142.	8.9	68
31	Supply chain collaboration and eco-innovations: An institutional perspective from China. <i>Business Strategy and the Environment</i> , 2020, 29, 2734-2754.	14.3	67
32	Key success factors and their performance implications in the Indian third-party logistics (3PL) industry. <i>International Journal of Production Research</i> , 2012, 50, 2407-2422.	7.5	63
33	Barriers to coastal shipping development: An Indian perspective. <i>Transportation Research, Part D: Transport and Environment</i> , 2017, 52, 362-378.	6.8	63
34	Closed loop supply chain networks: Designs for energy and time value efficiency. <i>International Journal of Production Economics</i> , 2017, 183, 382-393.	8.9	62
35	Impact of ambidexterity of blockchain technology and social factors on new product development: A supply chain and Industry 4.0 perspective. <i>Technological Forecasting and Social Change</i> , 2021, 169, 120819.	11.6	62
36	Integration of logistics and cloud computing service providers: Cost and green benefits in the Chinese context. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2014, 70, 86-98.	7.4	56

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37	Impact of disruptions in agri-food supply chain due to COVID-19 pandemic: contextualised resilience framework to achieve operational excellence. <i>International Journal of Logistics Management</i> , 2022, 33, 926-954.	6.6	56
38	Influence of eco-innovation on Indian manufacturing sector sustainable performance. <i>International Journal of Sustainable Development and World Ecology</i> , 2014, 21, 198-209.	5.9	53
39	Reverse logistics network design: a review on strategic perspective. <i>International Journal of Logistics Systems and Management</i> , 2012, 12, 171.	0.2	51
40	Data driven hybrid evolutionary analytical approach for multi objective location allocation decisions: Automotive green supply chain empirical evidence. <i>Computers and Operations Research</i> , 2018, 98, 265-283.	4.0	48
41	An examination of the effect of supply chain disruption risk drivers on organizational performance: evidence from Chinese supply chains. <i>Supply Chain Management</i> , 2021, 26, 548-562.	6.4	45
42	Cold chain configuration design: location-allocation decision-making using coordination, value deterioration, and big data approximation. <i>Annals of Operations Research</i> , 2018, 270, 433-457.	4.1	44
43	Factors for implementing end-of-life product reverse logistics in the Chinese manufacturing sector. <i>International Journal of Sustainable Development and World Ecology</i> , 2014, 21, 235-245.	5.9	43
44	Sustainable production and consumption in the automotive sector: Integrated review framework and research directions. <i>Sustainable Production and Consumption</i> , 2015, 4, 47-61.	11.0	42
45	Innovative service satisfaction and customer promotion behaviour in the Chinese budget hotel: an empirical study. <i>International Journal of Production Economics</i> , 2016, 171, 201-210.	8.9	42
46	Dynamic temporary blood facility location-allocation during and post-disaster periods. <i>Annals of Operations Research</i> , 2019, 283, 705-736.	4.1	40
47	Natural disasters, PC supply chain and corporate performance. <i>International Journal of Operations and Production Management</i> , 2018, 38, 1796-1814.	5.9	39
48	Logistics and cloud computing service providers' cooperation: a resilience perspective. <i>Production Planning and Control</i> , 2017, 28, 919-928.	8.8	37
49	The relationship between supply chain manager capabilities and performance: empirical evidence. <i>Production Planning and Control</i> , 2016, 27, 198-211.	8.8	36
50	The dark side of supply chain digitalisation: supplier-perceived digital capability asymmetry, buyer opportunism and governance. <i>International Journal of Operations and Production Management</i> , 2021, 41, 1220-1247.	5.9	36
51	Sourcing complexity in the Chinese manufacturing sector: An assessment of intangible factors and contractual relationship strategies. <i>International Journal of Production Economics</i> , 2015, 166, 269-284.	8.9	32
52	Implementation of lean manufacturing and lean audit system in an auto parts manufacturing industry – an industrial case study. <i>International Journal of Computer Integrated Manufacturing</i> , 2018, 31, 579-594.	4.6	32
53	Logistics service provider selection for disaster preparation: a socio-technical systems perspective. <i>Annals of Operations Research</i> , 2019, 283, 1259-1282.	4.1	32
54	Returnable transport packaging in developing countries: drivers, barriers and business performance. <i>Production Planning and Control</i> , 2017, 28, 629-658.	8.8	30

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55	Supplier assessment based on corporate social responsibility criteria in Indian automotive and textile industry sectors. <i>International Journal of Sustainable Engineering</i> , 2011, 4, 359-369.	3.5	28
56	Review of Full Truckload Transportation Service Procurement. <i>Transport Reviews</i> , 2015, 35, 599-621.	8.8	27
57	Prioritizing warehouse performance measures in contemporary supply chains. <i>International Journal of Productivity and Performance Management</i> , 2018, 67, 1703-1726.	3.7	25
58	Environmental improvement initiatives in the coal mining industry: maximisation of the triple bottom line. <i>Production Planning and Control</i> , 2019, 30, 426-436.	8.8	25
59	Blockchain and Supply Chain Logistics. , 2020, , .		24
60	Data-driven optimal dynamic pricing strategy for reducing perishable food waste at retailers. <i>Journal of Cleaner Production</i> , 2022, 344, 131068.	9.3	24
61	Integrated optimization model and methodology for plastics recycling: Indian empirical evidence. <i>Journal of Cleaner Production</i> , 2017, 153, 707-717.	9.3	23
62	Information technology governance in Internet of Things supply chain networks. <i>Industrial Management and Data Systems</i> , 2016, 116, .	3.7	23
63	A multi-echelon dynamic cold chain for managing vaccine distribution. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2021, 156, 102542.	7.4	23
64	Knowledge management system for operating parameters in two-echelon VMI supply chains. <i>International Journal of Production Research</i> , 2007, 45, 2479-2505.	7.5	22
65	An innovative framework for performance analysis of members of supply chains. <i>Benchmarking</i> , 2015, 22, 309-334.	4.6	22
66	Improving supply chain performance through management capabilities. <i>Production Planning and Control</i> , 2017, 28, 473-477.	8.8	22
67	Short-term versus long-term benefits: Balanced sustainability framework and research propositions. <i>Sustainable Production and Consumption</i> , 2017, 11, 18-30.	11.0	22
68	Combined location and routing problems for designing the quality-dependent and multi-product reverse logistics network. <i>Journal of the Operational Research Society</i> , 2014, 65, 873-887.	3.4	21
69	Impact of customer loyalty and service operations on customer behaviour and firm performance: empirical evidence from UK retail sector. <i>Production Planning and Control</i> , 2017, 28, 478-488.	8.8	21
70	4th party logistics service providers and industrial cluster competitiveness. <i>Industrial Management and Data Systems</i> , 2016, 116, 1303-1330.	3.7	20
71	Role of traditional Chinese philosophies and new product development under circular economy in private manufacturing enterprise performance. <i>International Journal of Production Research</i> , 2019, 57, 7219-7234.	7.5	20
72	The social preferences of local citizens and spontaneous volunteerism during disaster relief operations. <i>International Journal of Production Research</i> , 2018, 56, 6793-6808.	7.5	18

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73	Reverse logistics in the Chinese auto-parts firms: implementation framework development through multiple case studies. <i>International Journal of Sustainable Development and World Ecology</i> , 2014, 21, 223-234.	5.9	17
74	Reprint of "Integration of logistics and cloud computing service providers: Cost and green benefits in the Chinese context". <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2015, 74, 81-93.	7.4	17
75	Influence of non-price and environmental sustainability factors on truckload procurement process. <i>Annals of Operations Research</i> , 2017, 250, 363-388.	4.1	17
76	Sustainable decision model for liner shipping industry. <i>Computers and Operations Research</i> , 2018, 89, 213-229.	4.0	17
77	Can Your Network Make You Happy? <i>Entrepreneur's™ Business Network Utilization and Subjective Well-being</i> . <i>British Journal of Management</i> , 2018, 29, 613-633.	5.0	16
78	An Optimization Model for Sustainability Program. <i>Annals of Operations Research</i> , 2017, 250, 389-425.	4.1	15
79	A two-dimensional, two-level framework for achieving corporate sustainable development: Assessing the return on sustainability initiatives. <i>Business Strategy and the Environment</i> , 2018, 27, 1117-1130.	14.3	14
80	Optimisation of transportation service network using \hat{p} -node large neighbourhood search. <i>Computers and Operations Research</i> , 2018, 89, 193-205.	4.0	14
81	The soft side of knowledge transfer partnerships between universities and small to medium enterprises: an exploratory study to understand process improvement. <i>Production Planning and Control</i> , 2019, 30, 907-918.	8.8	14
82	Disturbances to the supply chains of high-value manufacturing firms: comparison of the perceptions of product managers and supply chain managers. <i>International Journal of Production Research</i> , 2021, 59, 3916-3934.	7.5	14
83	Sustainable operations modeling and data analytics. <i>Computers and Operations Research</i> , 2018, 89, 163-167.	4.0	13
84	Performance analysis of clustering methods for balanced multi-robot task allocations. <i>International Journal of Production Research</i> , 2022, 60, 4576-4591.	7.5	13
85	Stakeholder engagement in a sustainable sales and operations planning process. <i>Business Strategy and the Environment</i> , 2020, 29, 3526-3541.	14.3	12
86	Review of sustainable service-based business models in the Chinese truck sector. <i>Sustainable Production and Consumption</i> , 2017, 11, 31-45.	11.0	11
87	Port sustainable services innovation: Ningbo port users'™ expectation. <i>Sustainable Production and Consumption</i> , 2017, 11, 58-67.	11.0	10
88	Strategic and operational remanufacturing mental models. <i>International Journal of Operations and Production Management</i> , 2020, 40, 173-195.	5.9	10
89	Gender diversity for sustainability management: developing a research agenda from a supply chain perspective. <i>Logistique & Management</i> , 2020, 28, 224-239.	0.6	10
90	Multi-agent system with iterative auction mechanism for master bay plan problem in marine logistics. <i>Maritime Policy and Management</i> , 2017, 44, 705-726.	3.8	9

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91	An examination of drivers and barriers to reducing carbon emissions in China's manufacturing sector. <i>International Journal of Logistics Management</i> , 2017, 28, 1168-1195.	6.6	9
92	Data driven safe vehicle routing analytics: a differential evolution algorithm to reduce CO ₂ emissions and hazardous risks. <i>Annals of Operations Research</i> , 2018, 270, 515-538.	4.1	9
93	Fit between humanitarian professionals and project requirements: hybrid group decision procedure to reduce uncertainty in decision-making. <i>Annals of Operations Research</i> , 2019, 283, 471-496.	4.1	9
94	Out-in, in-out buyer quality innovation pathways for new product outcome: Empirical evidence from the Chinese consumer goods industry. <i>International Journal of Production Economics</i> , 2019, 207, 183-194.	8.9	9
95	Pricing in a vendor managed inventory system. <i>International Journal of Logistics Systems and Management</i> , 2006, 2, 19.	0.2	8
96	A design of experiment based procedure for real-time forecasting. <i>International Journal of Industrial and Systems Engineering</i> , 2007, 2, 61.	0.2	8
97	Sourcing complexity factors on contractual relationship: Chinese suppliers' perspective. <i>Production and Manufacturing Research</i> , 2014, 2, 558-585.	1.5	7
98	Strategies and practices for inclusive manufacturing: twenty-first-century sustainable manufacturing competitiveness. <i>International Journal of Computer Integrated Manufacturing</i> , 2018, 31, 490-493.	4.6	7
99	The impact of TQM and information communication technology (ICT) as an enabler in the quality management assessment framework (QMAF) on business outcomes. <i>International Journal of Systems Science: Operations and Logistics</i> , 2019, 6, 69-85.	3.0	7
100	Optimal allocation of near-expiry food in a retailer-foodbank supply network with economic and environmental considerations: An aggregator's perspective. <i>Journal of Cleaner Production</i> , 2021, 318, 128481.	9.3	7
101	Distributed hybrid multiagent task allocation approach for dual-nozzle 3D printers in microfactories. <i>International Journal of Production Research</i> , 2016, 54, 7014-7026.	7.5	6
102	A multi-dimensional decision framework for modular value transfer activity. <i>Production Planning and Control</i> , 2021, 32, 368-381.	8.8	6
103	Efficient mechanism development for multirobot coordination. <i>International Journal of Industrial and Systems Engineering</i> , 2008, 3, 149.	0.2	4
104	Operating parameters for a single-vendor multiple-buyers Vendor Managed Inventory System with Outsourcing. <i>International Journal of Operational Research</i> , 2008, 3, 336.	0.2	3
105	Development of efficient combinatorial auction mechanism for airport slot allocation. <i>International Journal of Services and Operations Management</i> , 2007, 3, 427.	0.2	2
106	Linking Success Factors to Financial Performance. <i>American Journal of Applied Sciences</i> , 2011, 8, 284-289.	0.2	2
107	Balancing multi-robot prioritized task allocation: A simulation approach. , 2011, , .		2
108	Composite practices to improve sustainability: A framework and evidence from Chinese auto-parts company. , 2013, , .		2

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109	Supply Chain Complexity and Strategy. , 2014, , 1-27.		2
110	Knowledge management in the Chinese local beer market: A case study. , 2013, , .		1
111	Sustainable global operations management and frugal innovative sustainable production methods: Advancing theory and practice for a truly sustainable society. Sustainable Production and Consumption, 2017, 11, 1-4.	11.0	1
112	Impact of High-Performance Work Practices on Efficiency and Effectiveness of Multispecialty Healthcare Service Delivery in an Emerging Economy”Role of Relational Coordination. IEEE Transactions on Engineering Management, 2023, 70, 2656-2667.	3.5	1
113	Big Data Analytics. Advances in Logistics, Operations, and Management Science Book Series, 2017, , 13-23.	0.4	1
114	An Exploratory Study on Blockchain Application in a Food Processing Supply Chain to Reduce Waste. Advances in Logistics, Operations, and Management Science Book Series, 2019, , 61-85.	0.4	1
115	Systematic Literature Review on Remanufacturing Trade Based on Bibliometric Analysis. Processes, 2022, 10, 596.	2.8	1
116	A new fast large neighbourhood search for service network design with asset balance constraints. , 2016, , .		0
117	A heuristics approach for computing the largest eigenvalue of a pairwise comparison matrix. International Journal of Operational Research, 2019, 34, 524.	0.2	0
118	An Exploratory Study on Blockchain Application in a Food Processing Supply Chain to Reduce Waste. , 2021, , 1146-1164.		0
119	An Exploratory Study on Blockchain Application in a Food Processing Supply Chain to Reduce Waste. , 2021, , 376-394.		0
120	Exploring the Blockchain Technology Application in the Chinese New Retail Business Model. , 2021, , 559-571.		0
121	Sustainable Supply Chain Management: Research Pathways Based on Empirical Evidence from Chinese Automotive Companies. Profiles in Operations Research, 2021, , 171-197.	0.4	0
122	A Heuristic for Heterogeneous Capacitated Pick-up and Delivery Logistics Problems with Time Windows in Agile Manufacturing and the Distribution Supply Chain. , 2010, , 311-331.		0
123	Can Your Network Make You Happy? Entrepreneurs' Networks and their Subjective Well-being. Proceedings - Academy of Management, 2015, 2015, 14365.	0.1	0
124	Big Data Analytics. Advances in Logistics, Operations, and Management Science Book Series, 2017, , 1-12.	0.4	0
125	Exploring the Blockchain Technology Application in the Chinese New Retail Business Model. Advances in Logistics, Operations, and Management Science Book Series, 2019, , 86-102.	0.4	0
126	A heuristics approach for computing the largest eigenvalue of a pairwise comparison matrix. International Journal of Operational Research, 2019, 34, 524.	0.2	0

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127	Assessing the GHG Emissions and Savings during the Recycling of NMC Lithium-Ion Batteries Used in Electric Vehicles in China. Processes, 2022, 10, 342.	2.8	0