Angappa Gunasekaran

List of Publications by Year
in descending order

		50244	43868
93	9,542	46	91
papers	citations	h-index	g-index
96	96	96	5555
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Sustainable supply management: An empirical study. International Journal of Production Economics, 2012, 140, 168-182.	5.1	677
2	Understanding the Blockchain technology adoption in supply chains-Indian context. International Journal of Production Research, 2019, 57, 2009-2033.	4.9	524
3	Big Data and Predictive Analytics and Manufacturing Performance: Integrating Institutional Theory, Resource€Based View and Big Data Culture. British Journal of Management, 2019, 30, 341-361.	3.3	426
4	Manufacturing and service supply chain resilience to the COVID-19 outbreak: Lessons learned from the automobile and airline industries. Technological Forecasting and Social Change, 2021, 163, 120447.	6.2	396
5	Analysis of the driving and dependence power of barriers to adopt industry 4.0 in Indian manufacturing industry. Computers in Industry, 2018, 101, 107-119.	5.7	391
6	Empirical investigation of data analytics capability and organizational flexibility as complements to supply chain resilience. International Journal of Production Research, 2021, 59, 110-128.	4.9	371
7	A systematic literature review on machine learning applications for sustainable agriculture supply chain performance. Computers and Operations Research, 2020, 119, 104926.	2.4	342
8	Industry 4.0 and lean manufacturing practices for sustainable organisational performance in Indian manufacturing companies. International Journal of Production Research, 2020, 58, 1319-1337.	4.9	334
9	Blockchain technology for enhancing swift-trust, collaboration and resilience within a humanitarian supply chain setting. International Journal of Production Research, 2020, 58, 3381-3398.	4.9	316
10	The impact of big data on world-class sustainable manufacturing. International Journal of Advanced Manufacturing Technology, 2016, 84, 631-645.	1.5	252
11	Agility and resilience as antecedents of supply chain performance under moderating effects of organizational culture within the humanitarian setting: a dynamic capability view. Production Planning and Control, 2018, 29, 1158-1174.	5.8	246
12	Resilience and competitiveness of small and medium size enterprises: an empirical research. International Journal of Production Research, 2011, 49, 5489-5509.	4.9	239
13	Agriculture supply chain risks and COVID-19: mitigation strategies and implications for the practitioners. International Journal of Logistics Research and Applications, 0, , 1-27.	5.6	213
14	Big Data and supply chain management: a review and bibliometric analysis. Annals of Operations Research, 2018, 270, 313-336.	2.6	211
15	The sustainable humanitarian supply chain design: agility, adaptability and alignment. International Journal of Logistics Research and Applications, 2016, 19, 62-82.	5.6	188
16	Supply chain resilience: role of complexities and strategies. International Journal of Production Research, 2015, 53, 6809-6819.	4.9	179
17	Antecedents of Resilient Supply Chains: An Empirical Study. IEEE Transactions on Engineering Management, 2019, 66, 8-19.	2.4	171
18	Big data in lean six sigma: a review and further research directions. International Journal of Production Research, 2020, 58, 947-969.	4.9	146

#	ARTICLE	IF	CITATIONS
19	Big data-driven supply chain performance measurement system: a review and framework for implementation. International Journal of Production Research, 2020, 58, 65-86.	4.9	142
20	Third party logistics (3PL) selection for cold chain management: a fuzzy AHP and fuzzy TOPSIS approach. Annals of Operations Research, 2018, 267, 531-553.	2.6	140
21	Enablers and Barriers of Flexible Green Supply Chain Management: A Total Interpretive Structural Modeling Approach. Global Journal of Flexible Systems Management, 2016, 17, 171-188.	3.4	132
22	Lean manufacturing in Brazilian small and medium enterprises: implementation and effect on performance. International Journal of Production Research, 2016, 54, 7523-7545.	4.9	128
23	Artificial intelligence applications in supply chain: A descriptive bibliometric analysis and future research directions. Expert Systems With Applications, 2021, 173, 114702.	4.4	126
24	Agile manufacturing practices: the role of big data and business analytics with multiple case studies. International Journal of Production Research, 2018, 56, 385-397.	4.9	123
25	World-class sustainable manufacturing: framework and a performance measurement system. International Journal of Production Research, 2015, 53, 5207-5223.	4.9	115
26	Examining sustainable supply chain management of SMEs using resource based view and institutional theory. Annals of Operations Research, 2020, 290, 301-326.	2.6	115
27	A study on investments in the big data-driven supply chain, performance measures and organisational performance in Indian retail 4.0 context. International Journal of Production Research, 2020, 58, 1574-1593.	4.9	115
28	Digital supply chain: challenges and future directions. Supply Chain Forum, 2020, 21, 133-138.	2.7	115
29	Agile manufacturing: framework and its empirical validation. International Journal of Advanced Manufacturing Technology, 2015, 76, 2147-2157.	1.5	107
30	Exploring soft TQM dimensions and their impact on firm performance: some exploratory empirical results. International Journal of Production Research, 2015, 53, 371-382.	4.9	107
31	Digital twin for sustainable manufacturing supply chains: Current trends, future perspectives, and an implementation framework. Technological Forecasting and Social Change, 2022, 176, 121448.	6.2	99
32	Dynamic capabilities and institutional theories for Industry 4.0 and digital supply chain. Supply Chain Forum, 2020, 21, 139-157.	2.7	96
33	A hybrid data analytic methodology for 3PL transportation provider evaluation using fuzzy multi-criteria decision making. International Journal of Production Research, 2015, 53, 6097-6113.	4.9	89
34	Agile manufacturing: an evolutionary review of practices. International Journal of Production Research, 2019, 57, 5154-5174.	4.9	89
35	Radio frequency identification (RFID): research trends and framework. International Journal of Production Research, 2010, 48, 2485-2511.	4.9	80
36	Examining top management commitment to TQM diffusion using institutional and upper echelon theories. International Journal of Production Research, 2018, 56, 2988-3006.	4.9	78

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37	Towards a theory of sustainable consumption and production: Constructs and measurement. Resources, Conservation and Recycling, 2016, 106, 78-89.	5.3	77
38	Big data analytics in operations and supply chain management. Annals of Operations Research, 2018, 270, 1-4.	2.6	75
39	Disaster relief operations: past, present and future. Annals of Operations Research, 2019, 283, 1-8.	2.6	75
40	Blockchain technologyâ€™s impact on supply chain integration and sustainable supply chain performance: evidence from the automotive industry. Annals of Operations Research, 2023, 327, 575-600.	2.6	72
41	Upstream supply chain visibility and complexity effect on focal companyâ€™s sustainable performance: Indian manufacturersâ€™ perspective. Annals of Operations Research, 2020, 290, 343-367.	2.6	70
42	Analysing the interaction of factors for resilient humanitarian supply chain. International Journal of Production Research, 2018, 56, 6809-6827.	4.9	69
43	Big data and analytics in operations and supply chain management: managerial aspects and practical challenges. Production Planning and Control, 2017, 28, 873-876.	5.8	65
44	Key success factors and their performance implications in the Indian third-party logistics (3PL) industry. International Journal of Production Research, 2012, 50, 2407-2422.	4.9	63
45	Towards the next generation of manufacturing: implications of big data and digitalization in the context of industry 4.0. Production Planning and Control, 2022, 33, 101-104.	5.8	60
46	A sustainable-resilience healthcare network for handling COVID-19 pandemic. Annals of Operations Research, 2022, 312, 761-825.	2.6	59
47	Bridging humanitarian operations management and organisational theory. International Journal of Production Research, 2018, 56, 6735-6740.	4.9	58
48	Supply chain risk mitigation strategies during COVID-19: exploratory cases of â€œmake-to-orderâ€• handloom saree apparel industries. International Journal of Physical Distribution and Logistics Management, 2022, 52, 109-129.	4.4	54
49	Influence of eco-innovation on Indian manufacturing sector sustainable performance. International Journal of Sustainable Development and World Ecology, 2014, 21, 198-209.	3.2	53
50	Determinants of RFID adoption intention by SMEs: an empirical investigation. Production Planning and Control, 2016, 27, 979-990.	5.8	49
51	Decision models for sustainable supply chain design and management. Annals of Operations Research, 2017, 250, 277-278.	2.6	48
52	A systematic perspective on the applications of big data analytics in healthcare management. International Journal of Healthcare Management, 2019, 12, 226-240.	1.2	46
53	Factors for implementing end-of-life product reverse logistics in the Chinese manufacturing sector. International Journal of Sustainable Development and World Ecology, 2014, 21, 235-245.	3.2	43
54	Distribution network design with big data: model and analysis. Annals of Operations Research, 2018, 270, 539-551.	2.6	42

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55	Product returns management: a comprehensive review and future research agenda. International Journal of Production Research, 2022, 60, 3920-3944.	4.9	42
56	The relationship between supply chain manager capabilities and performance: empirical evidence. Production Planning and Control, 2016, 27, 198-211.	5.8	36
57	Formulating and solving sustainable stochastic dynamic facility layout problem: a key to sustainable operations. Annals of Operations Research, 2017, 253, 621-655.	2.6	35
58	COVID-19 and supply chain risk mitigation: a case study from India. International Journal of Logistics Management, 2023, 34, 417-442.	4.1	31
59	Testing an adoption model for Industry 4.0 and sustainability: A Malaysian scenario. Sustainable Production and Consumption, 2022, 31, 313-330.	5.7	31
60	Flexible Sustainable Supply Chain Network Design: Current Trends, Opportunities and Future. Global Journal of Flexible Systems Management, 2016, 17, 109-112.	3.4	30
61	Returnable transport packaging in developing countries: drivers, barriers and business performance. Production Planning and Control, 2017, 28, 629-658.	5.8	30
62	Reviewing the applications of artificial intelligence in sustainable supply chains: Exploring research propositions for future directions. Business Strategy and the Environment, 2022, 31, 2400-2423.	8.5	29
63	Analysing the role of Industry 4.0 technologies and circular economy practices in improving sustainable performance in Indian manufacturing organisations. Production Planning and Control, 2023, 34, 887-901.	5.8	28
64	An integrated Delphi-MCDM-Bayesian Network framework for production system selection. International Journal of Production Economics, 2021, 242, 108296.	5.1	27
65	Modeling and analysis of sustainable supply chain dynamics. Annals of Operations Research, 2017, 250, 521-536.	2.6	25
66	Unlocking adoption challenges of IoT in Indian Agricultural and Food Supply Chain. Smart Agricultural Technology, 2022, 2, 100035.	3.1	24
67	Enablers of Six Sigma: contextual framework and its empirical validation. Total Quality Management and Business Excellence, 2016, 27, 1346-1372.	2.4	23
68	Service quality and its impact on customers' behavioural intentions and satisfaction: an empirical study of the Indian life insurance sector. Total Quality Management and Business Excellence, 2018, 29, 834-847.	2.4	23
69	Improving supply chain performance through management capabilities. Production Planning and Control, 2017, 28, 473-477.	5.8	22
70	A Big Data Analytics-driven Lean Six Sigma framework for enhanced green performance: a case study of chemical company. Production Planning and Control, 2023, 34, 767-790.	5.8	22
71	Role of traditional Chinese philosophies and new product development under circular economy in private manufacturing enterprise performance. International Journal of Production Research, 2019, 57, 7219-7234.	4.9	20
72	Role of decoupling point in examining manufacturing flexibility: an empirical study for different business strategies. Total Quality Management and Business Excellence, 2019, 30, 1126-1150.	2.4	18

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73	Reverse logistics in the Chinese auto-parts firms: implementation framework development through multiple case studies. International Journal of Sustainable Development and World Ecology, 2014, 21, 223-234.	3.2	17
74	Influence of non-price and environmental sustainability factors on truckload procurement process. Annals of Operations Research, 2017, 250, 363-388.	2.6	17
75	Cloud platforms for remote monitoring system: a comparative case study. Production Planning and Control, 2020, 31, 186-202.	5.8	17
76	Logical reconfiguration of reconfigurable manufacturing systems with stream of variations modelling: a stochastic two-stage programming and shortest path model. International Journal of Production Research, 2014, 52, 1401-1418.	4.9	16
77	Evolution of innovation and its strategies: from ecological niche models of supply chain clusters. Journal of the Operational Research Society, 2014, 65, 888-903.	2.1	16
78	Examining the barriers to operationalization of humanitarian supply chains: lessons learned from COVID-19 crisis. Annals of Operations Research, 0, , .	2.6	16
79	Ubiquitous manufacturing: overview, framework and further research directions. International Journal of Computer Integrated Manufacturing, 0, , 1-14.	2.9	15
80	Energy sustainability in operations: an optimization study. International Journal of Advanced Manufacturing Technology, 2016, 86, 2873-2884.	1.5	15
81	An Optimization Model for Sustainability Program. Annals of Operations Research, 2017, 250, 389-425.	2.6	15
82	Analysing the implementation barriers of dual cycling in port container terminal using interpretive structural modeling- Indian context. International Journal of Logistics Research and Applications, 2019, 22, 119-137.	5.6	15
83	A two-dimensional, two-level framework for achieving corporate sustainable development: Assessing the return on sustainability initiatives. Business Strategy and the Environment, 2018, 27, 1117-1130.	8.5	14
84	Outsourcing and offshoring decision making. International Journal of Production Research, 2019, 57, 4187-4193.	4.9	14
85	Sustainable supply chain management of automotive sector in context to the circular economy: A strategic framework. Business Strategy and the Environment, 2022, 31, 3635-3648.	8.5	14
86	A comparative study of schedule nervousness among high-tech manufacturers across the Straits. International Journal of Production Research, 2010, 48, 6015-6036.	4.9	13
87	A simulated annealing algorithm to the multi-period fixed charge distribution problem associated with backorder and inventory. International Journal of Production Research, 2012, 50, 2533-2554.	4.9	12
88	Multi-agent system with iterative auction mechanism for master bay plan problem in marine logistics. Maritime Policy and Management, 2017, 44, 705-726.	1.9	9
89	A design of experiment based procedure for real-time forecasting. International Journal of Industrial and Systems Engineering, 2007, 2, 61.	0.1	8
90	Strategies and practices for inclusive manufacturing: twenty-first-century sustainable manufacturing competitiveness. International Journal of Computer Integrated Manufacturing, 2018, 31, 490-493.	2.9	7

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91	A Special Issue on Tools and Techniques for Dynamic Manufacturing Environments. International Journal of Computer Integrated Manufacturing, 2006, 19, 1-3.	2.9	4
92	A pragmatic decision model for inventory management with heterogeneous suppliers. Enterprise Information Systems, 2018, 12, 603-619.	3.3	4
93	Managing project scope creep in construction industry. Engineering, Construction and Architectural Management, 2022, 29, 2786-2809.	1.8	4