

# Angappa Gunasekaran

## List of Publications by Citations

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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.

85  
papers

5,247  
citations

39  
h-index

71  
g-index

96  
ext. papers

7,189  
ext. citations

5.3  
avg, IF

6.92  
L-index

#	Paper	IF	Citations
85	Sustainable supply management: An empirical study. <i>International Journal of Production Economics</i> , <b>2012</b> , 140, 168-182	9.3	538
84	Understanding the Blockchain technology adoption in supply chains-Indian context. <i>International Journal of Production Research</i> , <b>2019</b> , 57, 2009-2033	7.8	261
83	Analysis of the driving and dependence power of barriers to adopt industry 4.0 in Indian manufacturing industry. <i>Computers in Industry</i> , <b>2018</b> , 101, 107-119	11.6	223
82	Big Data and Predictive Analytics and Manufacturing Performance: Integrating Institutional Theory, Resource-Based View and Big Data Culture. <i>British Journal of Management</i> , <b>2019</b> , 30, 341-361	5.6	186
81	The impact of big data on world-class sustainable manufacturing. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2016</b> , 84, 631-645	3.2	184
80	Industry 4.0 and lean manufacturing practices for sustainable organisational performance in Indian manufacturing companies. <i>International Journal of Production Research</i> , <b>2020</b> , 58, 1319-1337	7.8	172
79	Empirical investigation of data analytics capability and organizational flexibility as complements to supply chain resilience. <i>International Journal of Production Research</i> , <b>2021</b> , 59, 110-128	7.8	168
78	Resilience and competitiveness of small and medium size enterprises: an empirical research. <i>International Journal of Production Research</i> , <b>2011</b> , 49, 5489-5509	7.8	162
77	A systematic literature review on machine learning applications for sustainable agriculture supply chain performance. <i>Computers and Operations Research</i> , <b>2020</b> , 119, 104926	4.6	147
76	Agility and resilience as antecedents of supply chain performance under moderating effects of organizational culture within the humanitarian setting: a dynamic capability view. <i>Production Planning and Control</i> , <b>2018</b> , 29, 1158-1174	4.3	137
75	Blockchain technology for enhancing swift-trust, collaboration and resilience within a humanitarian supply chain setting. <i>International Journal of Production Research</i> , <b>2020</b> , 58, 3381-3398	7.8	134
74	Manufacturing and service supply chain resilience to the COVID-19 outbreak: Lessons learned from the automobile and airline industries. <i>Technological Forecasting and Social Change</i> , <b>2021</b> , 163, 120447	9.5	133
73	Big Data and supply chain management: a review and bibliometric analysis. <i>Annals of Operations Research</i> , <b>2018</b> , 270, 313-336	3.2	130
72	The sustainable humanitarian supply chain design: agility, adaptability and alignment. <i>International Journal of Logistics Research and Applications</i> , <b>2016</b> , 19, 62-82	3.8	130
71	Supply chain resilience: role of complexities and strategies. <i>International Journal of Production Research</i> , <b>2015</b> , 53, 6809-6819	7.8	117
70	. <i>IEEE Transactions on Engineering Management</i> , <b>2019</b> , 66, 8-19	2.6	96
69	Agile manufacturing practices: the role of big data and business analytics with multiple case studies. <i>International Journal of Production Research</i> , <b>2018</b> , 56, 385-397	7.8	95

68	Agriculture supply chain risks and COVID-19: mitigation strategies and implications for the practitioners. <i>International Journal of Logistics Research and Applications</i> , <b>2020</b> , 1-27	3.8	94
67	Enablers and Barriers of Flexible Green Supply Chain Management: A Total Interpretive Structural Modeling Approach. <i>Global Journal of Flexible Systems Management</i> , <b>2016</b> , 17, 171-188	5.9	92
66	World-class sustainable manufacturing: framework and a performance measurement system. <i>International Journal of Production Research</i> , <b>2015</b> , 53, 5207-5223	7.8	90
65	Exploring soft TQM dimensions and their impact on firm performance: some exploratory empirical results. <i>International Journal of Production Research</i> , <b>2015</b> , 53, 371-382	7.8	87
64	Lean manufacturing in Brazilian small and medium enterprises: implementation and effect on performance. <i>International Journal of Production Research</i> , <b>2016</b> , 54, 7523-7545	7.8	87
63	Agile manufacturing: framework and its empirical validation. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2015</b> , 76, 2147-2157	3.2	79
62	Third party logistics (3PL) selection for cold chain management: a fuzzy AHP and fuzzy TOPSIS approach. <i>Annals of Operations Research</i> , <b>2018</b> , 267, 531-553	3.2	71
61	Big data in lean six sigma: a review and further research directions. <i>International Journal of Production Research</i> , <b>2020</b> , 58, 947-969	7.8	70
60	Radio frequency identification (RFID): research trends and framework. <i>International Journal of Production Research</i> , <b>2010</b> , 48, 2485-2511	7.8	68
59	A hybrid data analytic methodology for 3PL transportation provider evaluation using fuzzy multi-criteria decision making. <i>International Journal of Production Research</i> , <b>2015</b> , 53, 6097-6113	7.8	63
58	Towards a theory of sustainable consumption and production: Constructs and measurement. <i>Resources, Conservation and Recycling</i> , <b>2016</b> , 106, 78-89	11.9	59
57	Examining sustainable supply chain management of SMEs using resource based view and institutional theory. <i>Annals of Operations Research</i> , <b>2020</b> , 290, 301-326	3.2	57
56	Big data-driven supply chain performance measurement system: a review and framework for implementation. <i>International Journal of Production Research</i> , <b>2020</b> , 58, 65-86	7.8	55
55	A study on investments in the big data-driven supply chain, performance measures and organisational performance in Indian retail 4.0 context. <i>International Journal of Production Research</i> , <b>2020</b> , 58, 1574-1593	7.8	51
54	Key success factors and their performance implications in the Indian third-party logistics (3PL) industry. <i>International Journal of Production Research</i> , <b>2012</b> , 50, 2407-2422	7.8	50
53	Disaster relief operations: past, present and future. <i>Annals of Operations Research</i> , <b>2019</b> , 283, 1-8	3.2	49
52	Agile manufacturing: an evolutionary review of practices. <i>International Journal of Production Research</i> , <b>2019</b> , 57, 5154-5174	7.8	49
51	Examining top management commitment to TQM diffusion using institutional and upper echelon theories. <i>International Journal of Production Research</i> , <b>2018</b> , 56, 2988-3006	7.8	47

50	Influence of eco-innovation on Indian manufacturing sector sustainable performance. <i>International Journal of Sustainable Development and World Ecology</i> , <b>2014</b> , 21, 198-209	3.8	45
49	Big data and analytics in operations and supply chain management: managerial aspects and practical challenges. <i>Production Planning and Control</i> , <b>2017</b> , 28, 873-876	4.3	42
48	Analysing the interaction of factors for resilient humanitarian supply chain. <i>International Journal of Production Research</i> , <b>2018</b> , 56, 6809-6827	7.8	40
47	Big data analytics in operations and supply chain management. <i>Annals of Operations Research</i> , <b>2018</b> , 270, 1-4	3.2	39
46	Factors for implementing end-of-life product reverse logistics in the Chinese manufacturing sector. <i>International Journal of Sustainable Development and World Ecology</i> , <b>2014</b> , 21, 235-245	3.8	39
45	Determinants of RFID adoption intention by SMEs: an empirical investigation. <i>Production Planning and Control</i> , <b>2016</b> , 27, 979-990	4.3	37
44	Decision models for sustainable supply chain design and management. <i>Annals of Operations Research</i> , <b>2017</b> , 250, 277-278	3.2	34
43	Artificial intelligence applications in supply chain: A descriptive bibliometric analysis and future research directions. <i>Expert Systems With Applications</i> , <b>2021</b> , 173, 114702	7.8	33
42	Upstream supply chain visibility and complexity effect on focal company's sustainable performance: Indian manufacturers' perspective. <i>Annals of Operations Research</i> , <b>2020</b> , 290, 343-367	3.2	33
41	Formulating and solving sustainable stochastic dynamic facility layout problem: a key to sustainable operations. <i>Annals of Operations Research</i> , <b>2017</b> , 253, 621-655	3.2	31
40	Distribution network design with big data: model and analysis. <i>Annals of Operations Research</i> , <b>2018</b> , 270, 539-551	3.2	29
39	Dynamic capabilities and institutional theories for Industry 4.0 and digital supply chain. <i>Supply Chain Forum</i> , <b>2020</b> , 21, 139-157	3.5	29
38	The relationship between supply chain manager capabilities and performance: empirical evidence. <i>Production Planning and Control</i> , <b>2016</b> , 27, 198-211	4.3	28
37	Supply chain risk mitigation strategies during COVID-19: exploratory cases of 'make-to-order' handloom saree apparel industries. <i>International Journal of Physical Distribution and Logistics Management</i> , <b>2021</b> , ahead-of-print,	5.2	22
36	Enablers of Six Sigma: contextual framework and its empirical validation. <i>Total Quality Management and Business Excellence</i> , <b>2016</b> , 27, 1346-1372	2.7	21
35	Returnable transport packaging in developing countries: drivers, barriers and business performance. <i>Production Planning and Control</i> , <b>2017</b> , 28, 629-658	4.3	20
34	A systematic perspective on the applications of big data analytics in healthcare management. <i>International Journal of Healthcare Management</i> , <b>2019</b> , 12, 226-240	1.4	20
33	Modeling and analysis of sustainable supply chain dynamics. <i>Annals of Operations Research</i> , <b>2017</b> , 250, 521-536	3.2	19

32	Service quality and its impact on customers' behavioural intentions and satisfaction: an empirical study of the Indian life insurance sector. <i>Total Quality Management and Business Excellence</i> , <b>2018</b> , 29, 834-847	2.7	19
31	Towards the next generation of manufacturing: implications of big data and digitalization in the context of industry 4.0. <i>Production Planning and Control</i> , 1-4	4.3	18
30	Influence of non-price and environmental sustainability factors on truckload procurement process. <i>Annals of Operations Research</i> , <b>2017</b> , 250, 363-388	3.2	15
29	A sustainable-resilience healthcare network for handling COVID-19 pandemic. <i>Annals of Operations Research</i> , <b>2021</b> , 1-65	3.2	14
28	Ubiquitous manufacturing: overview, framework and further research directions. <i>International Journal of Computer Integrated Manufacturing</i> , <b>2015</b> , 1-14	4.3	13
27	Energy sustainability in operations: an optimization study. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2016</b> , 86, 2873-2884	3.2	13
26	An Optimization Model for Sustainability Program. <i>Annals of Operations Research</i> , <b>2017</b> , 250, 389-425	3.2	12
25	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> , <b>2014</b> , 21, 223-234	3.8	12
24	Logical reconfiguration of reconfigurable manufacturing systems with stream of variations modelling: a stochastic two-stage programming and shortest path model. <i>International Journal of Production Research</i> , <b>2014</b> , 52, 1401-1418	7.8	12
23	Evolution of innovation and its strategies: from ecological niche models of supply chain clusters. <i>Journal of the Operational Research Society</i> , <b>2014</b> , 65, 888-903	2	12
22	Product returns management: a comprehensive review and future research agenda. <i>International Journal of Production Research</i> , 1-25	7.8	12
21	A comparative study of schedule nervousness among high-tech manufacturers across the Straits. <i>International Journal of Production Research</i> , <b>2010</b> , 48, 6015-6036	7.8	11
20	Digital twin for sustainable manufacturing supply chains: Current trends, future perspectives, and an implementation framework. <i>Technological Forecasting and Social Change</i> , <b>2022</b> , 176, 121448	9.5	11
19	Blockchain technology's impact on supply chain integration and sustainable supply chain performance: evidence from the automotive industry. <i>Annals of Operations Research</i> , 1	3.2	11
18	Role of decoupling point in examining manufacturing flexibility: an empirical study for different business strategies. <i>Total Quality Management and Business Excellence</i> , <b>2019</b> , 30, 1126-1150	2.7	11
17	Analysing the implementation barriers of dual cycling in port container terminal using interpretive structural modeling- Indian context. <i>International Journal of Logistics Research and Applications</i> , <b>2019</b> , 22, 119-137	3.8	10
16	Role of traditional Chinese philosophies and new product development under circular economy in private manufacturing enterprise performance. <i>International Journal of Production Research</i> , <b>2019</b> , 57, 7219-7234	7.8	10
15	A simulated annealing algorithm to the multi-period fixed charge distribution problem associated with backorder and inventory. <i>International Journal of Production Research</i> , <b>2012</b> , 50, 2533-2554	7.8	9

14	Multi-agent system with iterative auction mechanism for master bay plan problem in marine logistics. <i>Maritime Policy and Management</i> , <b>2017</b> , 44, 705-726	2.5	8
13	A two-dimensional, two-level framework for achieving corporate sustainable development: Assessing the return on sustainability initiatives. <i>Business Strategy and the Environment</i> , <b>2018</b> , 27, 1117-1130	8.6	8
12	Outsourcing and offshoring decision making. <i>International Journal of Production Research</i> , <b>2019</b> , 57, 4187-41938	8.1	8
11	Cloud platforms for remote monitoring system: a comparative case study. <i>Production Planning and Control</i> , <b>2020</b> , 31, 186-202	4.3	8
10	An integrated Delphi-MCDM-Bayesian Network framework for production system selection. <i>International Journal of Production Economics</i> , <b>2021</b> , 242, 108296	9.3	8
9	Analysing the role of Industry 4.0 technologies and circular economy practices in improving sustainable performance in Indian manufacturing organisations. <i>Production Planning and Control</i> , 1-15	4.3	7
8	COVID-19 and supply chain risk mitigation: a case study from India. <i>International Journal of Logistics Management</i> , <b>2021</b> , ahead-of-print,	4.5	6
7	Testing an adoption model for Industry 4.0 and sustainability: A Malaysian scenario. <i>Sustainable Production and Consumption</i> , <b>2022</b> , 31, 313-330	8.2	6
6	A design of experiment based procedure for real-time forecasting. <i>International Journal of Industrial and Systems Engineering</i> , <b>2007</b> , 2, 61	0.4	5
5	Unlocking adoption challenges of IoT in Indian Agricultural and Food Supply Chain. <i>Smart Agricultural Technology</i> , <b>2022</b> , 2, 100035		5
4	A pragmatic decision model for inventory management with heterogeneous suppliers. <i>Enterprise Information Systems</i> , <b>2018</b> , 12, 603-619	3.5	3
3	A Big Data Analytics-driven Lean Six Sigma framework for enhanced green performance: a case study of chemical company. <i>Production Planning and Control</i> , 1-24	4.3	3
2	A Special Issue on Tools and Techniques for Dynamic Manufacturing Environments. <i>International Journal of Computer Integrated Manufacturing</i> , <b>2006</b> , 19, 1-3	4.3	2
1	Managing project scope creep in construction industry. <i>Engineering, Construction and Architectural Management</i> , <b>2021</b> , ahead-of-print,	3.1	2