

S G Deshmukh

List of Publications by Year in descending order

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160
papers

8,973
citations

36303

51
h-index

48315

88
g-index

160
all docs

160
docs citations

160
times ranked

5237
citing authors

#	ARTICLE	IF	CITATIONS
1	Exploring the Impact of COVID-19 Pandemic on Medical Supply Chain Disruption. Journal of Industrial Integration and Management, 2021, 06, 235-255.	4.8	26
2	Unifying Efforts to Rebound Operational Excellence and Export Competitiveness. International Journal of Global Business and Competitiveness, 2021, 16, 1-15.	2.4	2
3	Framework for Manufacturing in Post-COVID-19 World Order: An Indian Perspective. International Journal of Global Business and Competitiveness, 2020, 15, 49-60.	2.4	52
4	Areas of academic research with the impact of COVID-19. American Journal of Emergency Medicine, 2020, 38, 1524-1526.	1.6	147
5	Product quality in an inclusive manufacturing system: some considerations. Journal of Intelligent Manufacturing, 2019, 30, 2871-2884.	7.3	1
6	Performance analysis of high technology collaborative networks: A case of medical device manufacturing. Computers and Industrial Engineering, 2019, 137, 106065.	6.3	2
7	Fault diagnosis of automobile systems using fault tree based on digraph modeling. International Journal of Systems Assurance Engineering and Management, 2018, 9, 494-508.	2.4	25
8	Assessment of failures in automobiles due to maintenance errors. International Journal of Systems Assurance Engineering and Management, 2017, 8, 719.	2.4	9
9	Knowledge management of automobile system failures through development of failure knowledge ontology from maintenance experience. Journal of Advances in Management Research, 2017, 14, 425-445.	3.0	16
10	Development of methodology for the disassemblability index of automobile systems using a structural approach. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2017, 231, 516-535.	1.9	15
11	An integrated approach for analysing the enablers and barriers of sustainable manufacturing. Journal of Cleaner Production, 2017, 142, 4412-4439.	9.3	179
12	Survey results for sustainable turning process parameters based on perceptions of researchers and industry professionals. International Journal of Advanced Operations Management, 2016, 8, 79.	0.3	0
13	An Assessment of Sustainability for Turning Process in an Automobile Firm. Procedia CIRP, 2016, 48, 538-543.	1.9	20
14	Identifying the perspectives for sustainability enhancement. Journal of Advances in Management Research, 2016, 13, 244-270.	3.0	8
15	An integrated sustainability assessment framework: a case of turning process. Clean Technologies and Environmental Policy, 2016, 18, 1475-1513.	4.1	29
16	Enablers and Barriers of Sustainable Manufacturing: Results from a Survey of Researchers and Industry Professionals. Procedia CIRP, 2015, 29, 562-567.	1.9	73
17	Just in time implementation issues in Indian Corrugated Packaging Industries an empirical study in national capital region (NCR). , 2015, , .		0
18	Screening of Process Parameters for Color Fast Finishing Process Using Fractional Factorial Design: A Textile Case Study. Prabandhan: Indian Journal of Management, 2015, 8, 7.	0.3	0

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19	Lateral Collaboration in Semiconductor Industry Supply Networks. International Journal of Information Systems and Supply Chain Management, 2014, 7, 39-79.	0.9	3
20	Customer Needs and Customer Satisfaction Analysis in a Textile Dyeing Process. Clothing and Textiles Research Journal, 2014, 32, 282-295.	3.4	4
21	Message from honorary general chair. , 2014, , .		0
22	Attribute-based perceptual mapping using discriminant analysis in a public sector passenger bus transport company: A case study. Journal of Advanced Transportation, 2014, 48, 32-47.	1.7	13
23	Applying Value Stream Mapping Technique for Production Improvement in a Manufacturing Company: A Case Study. Journal of the Institution of Engineers (India): Series C, 2013, 94, 43-52.	1.2	22
24	Information security risk assessment in SCM. , 2013, , .		2
25	Supply chain issues in SMEs: select insights from cases of Indian origin. Production Planning and Control, 2013, 24, 47-71.	8.8	29
26	Information security in supply chains — A process framework. , 2012, , .		2
27	Supply chain issues in Indian manufacturing SMEs: insights from six case studies. Journal of Manufacturing Technology Management, 2012, 23, 634-664.	6.4	79
28	A conceptual framework for lateral collaboration in semiconductor industry supply networks. International Journal of Management and Enterprise Development, 2012, 12, 132.	0.3	2
29	Application of knowledge-based artificial immune system (KBAIS) for computer aided process planning in CIM context. International Journal of Production Research, 2012, 50, 4937-4954.	7.5	13
30	Designing balanced scorecard for multi echelon repair inventory systems. Journal of Modelling in Management, 2012, 7, 59-96.	1.9	10
31	A composite model for employees' performance appraisal and improvement. European Journal of Training and Development, 2012, 36, 448-480.	2.2	13
32	Vertical collaboration in the semiconductor industry: A decision framework for supply chain relationships. Computers and Industrial Engineering, 2012, 62, 504-526.	6.3	37
33	Network optimization in supply chain: A KBGA approach. Decision Support Systems, 2012, 52, 528-538.	5.9	25
34	E-markets and supply chain collaboration: a literature-based review of contributions with specific reference to the semiconductor industries. Logistics Research, 2012, 4, 19-38.	1.6	31
35	Maintenance, Repair, and Overhaul Performance Indicators for Military Aircraft. Defence Science Journal, 2012, 62, 83-89.	0.8	12
36	A literature review and future perspectives on maintenance optimization. Journal of Quality in Maintenance Engineering, 2011, 17, 5-25.	1.7	197

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37	A Review on Supply Chain Coordination: Coordination Mechanisms, Managing Uncertainty and Research Directions. , 2011, , 39-82.		95
38	Modelling of FMS control policy: AIS-based fuzzy expert system. International Journal of Industrial and Systems Engineering, 2011, 8, 38.	0.2	8
39	Development of a repair inventory model for effective maintenance of modular electronic equipment. Journal of Advances in Management Research, 2011, 8, 53-84.	3.0	0
40	A multi-criteria customer allocation problem in supply chain environment: An artificial immune system with fuzzy logic controller based approach. Expert Systems With Applications, 2011, 38, 3199-3208.	7.6	24
41	FMS scheduling with knowledge based genetic algorithm approach. Expert Systems With Applications, 2011, 38, 3161-3171.	7.6	62
42	An integrated fuzzy multi-attribute decision-making model for employees' performance appraisal. International Journal of Human Resource Management, 2011, 22, 722-745.	5.3	33
43	Mapping of supply chain learning: a framework for SMEs. Learning Organization, 2011, 18, 313-332.	1.4	20
44	Engineering support issues for flexibility in maintenance. Asia Pacific Journal of Marketing and Logistics, 2010, 22, 247-270.	3.2	19
45	Flexibility and Sustainability of Supply Chains: Are They Together?. Global Journal of Flexible Systems Management, 2010, 11, 25-37.	6.3	14
46	Measuring the effectiveness of success factors: a case of government funded R&D organisations in India. International Journal of Business Excellence, 2010, 3, 279.	0.3	2
47	Analyzing the interaction of performance appraisal factors using interpretive structural modeling. Performance Improvement, 2010, 49, 25-35.	0.4	18
48	Modelling the success factors for national R&D organizations: a case of India. Journal of Modelling in Management, 2010, 5, 158-175.	1.9	48
49	Lean manufacturing system for medium size manufacturing enterprises: an Indian case. International Journal of Management Science and Engineering Management, 2010, 5, 362-375.	3.1	70
50	Strategy development by small scale industries in India. Industrial Management and Data Systems, 2010, 110, 1073-1093.	3.7	48
51	Multi-echelon Repair Inventory Systems: Select Issues in Modular Electronic Equipment. Defence Science Journal, 2010, 60, 514-524.	0.8	2
52	Evaluating Petroleum Supply Chain Performance: Overcoming Shortcomings of Balanced Scorecard. Global Journal of Flexible Systems Management, 2009, 10, 11-22.	6.3	3
53	Memoirs " S. Wadhwa. Global Journal of Flexible Systems Management, 2009, 10, iii-v.	6.3	0
54	Enhancing flexibility in supply chains: Modelling random demands and non-stationary supply information. International Journal of Computer Integrated Manufacturing, 2009, 22, 812-822.	4.6	9

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55	An application of interpretative structural modeling of the compliance to food standards. International Journal of Productivity and Performance Management, 2009, 58, 136-159.	3.7	48
56	Developing a conceptual framework for assessing competitiveness of India's agrifood chain. International Journal of Emerging Markets, 2009, 4, 137-159.	2.2	40
57	Select supplier-related issues in modelling a dynamic supply chain: potential, challenges and direction for future research. International Journal of Production Research, 2009, 47, 3013-3039.	7.5	117
58	A framework for evaluation of coordination by contracts: A case of two-level supply chains. Computers and Industrial Engineering, 2009, 56, 1177-1191.	6.3	68
59	Revenue sharing in semiconductor industry supply chain: Cooperative game theoretic approach. Sadhana - Academy Proceedings in Engineering Sciences, 2009, 34, 501-527.	1.3	11
60	A coordination theoretic model for three level supply chains using contracts. Sadhana - Academy Proceedings in Engineering Sciences, 2009, 34, 767-798.	1.3	11
61	Analyzing the interaction of critical factors of supplier development using Interpretive Structural Modeling – an empirical study. International Journal of Advanced Manufacturing Technology, 2009, 43, 1081-1093.	3.0	68
62	Dynamic supply chain modeling using a new fuzzy hybrid negotiation mechanism. International Journal of Production Economics, 2009, 122, 319-328.	8.9	26
63	Horizontal collaboration in semiconductor manufacturing industry supply chain: An evaluation of collaboration intensity index. Computers and Industrial Engineering, 2009, 57, 880-895.	6.3	91
64	Revisiting information systems to support a dynamic supply chain: issues and perspectives. Production Planning and Control, 2009, 20, 17-29.	8.8	42
65	Supply chain performance measurement framework for small and medium scale enterprises. Benchmarking, 2009, 16, 702-723.	4.6	121
66	Supply chain management for SMEs: a research introduction. Management Research Review, 2009, 32, 970-993.	0.7	34
67	The competitiveness of SMEs in a globalized economy. Management Research Review, 2009, 33, 54-65.	2.7	144
68	Coordinated supply management: review, insights, and limitations. International Journal of Logistics Research and Applications, 2009, 12, 407-422.	8.8	22
69	A new approach for formation of virtual cells. International Journal of Manufacturing Research, 2009, 4, 171.	0.2	14
70	Environmentally responsive supply chains. Journal of Advances in Management Research, 2009, 6, 154-171.	3.0	58
71	Strategic supplier selection: some emerging issues and challenges. International Journal of Logistics Systems and Management, 2009, 5, 61.	0.2	28
72	Flexibility in Maintenance: A Framework. Global Journal of Flexible Systems Management, 2009, 10, 21-33.	6.3	7

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73	Modeling Buyer-Supplier Relationships in Dynamic Supply Chains. , 2009, , 288-316.		0
74	A new approach for evaluating agility in supply chains using Fuzzy Association Rules Mining. Engineering Applications of Artificial Intelligence, 2008, 21, 367-385.	8.1	102
75	Supply chain coordination: Perspectives, empirical studies and research directions. International Journal of Production Economics, 2008, 115, 316-335.	8.9	669
76	Evaluating petroleum supply chain performance. Asia Pacific Journal of Marketing and Logistics, 2008, 20, 343-356.	3.2	86
77	Interpretive structural modeling (ISM) of ITâ€enablers for Indian manufacturing SMEs. Information Management and Computer Security, 2008, 16, 113-136.	1.2	179
78	Supply chain management in SMEs: development of constructs and propositions. Asia Pacific Journal of Marketing and Logistics, 2008, 20, 97-131.	3.2	71
79	What's the buzz about moving from â€leanâ€™ to â€agileâ€™ integrated supply chains? A fuzzy intelligent agent-based approach. International Journal of Production Research, 2008, 46, 6649-6677.	7.5	99
80	An enquiry-analysis framework 'EBM-REP' for qualitative research. International Journal of Innovation and Learning, 2008, 5, 557.	0.4	1
81	Strategy development by SMEs for competitiveness: a review. Benchmarking, 2008, 15, 525-547.	4.6	221
82	Competency and performance analysis of Indian SMEs and large organizations. Competitiveness Review, 2008, 18, 308-321.	2.6	25
83	A conceptual role interaction model for supply chain management in SMEs. Journal of Small Business and Enterprise Development, 2008, 15, 74-95.	2.6	44
84	Evaluating performance of national R&D organizations using integrated DEAâ€CAHP technique. International Journal of Productivity and Performance Management, 2008, 57, 370-388.	3.7	50
85	Implementation of manufacturing strategy: a multisector study of the Indian manufacturing industry. International Journal of Services and Operations Management, 2008, 4, 1.	0.2	14
86	A decision algorithm for evaluating supply chain learning in small and medium-scale enterprises. International Journal of Value Chain Management, 2008, 2, 371.	0.2	1
87	Implementation of information technology: evidence from Indian SMEs. International Journal of Enterprise Network Management, 2008, 2, 248.	0.3	12
88	Challenges and strategies for competitiveness of SMEs: a case study in the Indian context. International Journal of Services and Operations Management, 2008, 4, 181.	0.2	28
89	Quality award dimensions: a strategic instrument for measuring health service quality. International Journal of Health Care Quality Assurance, 2007, 20, 363-378.	0.9	29
90	Modelling of critical success factors for implementation of AMTs. Journal of Modelling in Management, 2007, 2, 232-250.	1.9	107

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91	Interpretive structural modelling of factors for improving competitiveness of SMEs. International Journal of Productivity and Quality Management, 2007, 2, 423.	0.2	102
92	Manufacturing flexibility: a multisector study of Indian companies. International Journal of Manufacturing Research, 2007, 2, 225.	0.2	7
93	Assessing International Success and National Competitive Environment of Shrimp Industries of India and Thailand with Porter's Diamond Model and Flexibility Theory. Global Journal of Flexible Systems Management, 2007, 8, 31-43.	6.3	8
94	Supply chain coordination issues: an SAP-LAP framework. Asia Pacific Journal of Marketing and Logistics, 2007, 19, 240-264.	3.2	75
95	Evaluation of buyer-supplier relationships using an integrated mathematical approach of interpretive structural modeling (ISM) and graph theoretic matrix. Journal of Manufacturing Technology Management, 2007, 19, 92-124.	6.4	79
96	A new approach to model goal and plan conflicts in a dynamic supply chain. , 2007, , .		2
97	Supplier selection using fuzzy association rules mining approach. International Journal of Production Research, 2007, 45, 1323-1353.	7.5	65
98	Strategy development for competitiveness: a study on Indian auto component sector. International Journal of Productivity and Performance Management, 2007, 56, 285-304.	3.7	76
99	Coordination in supply chains: an evaluation using fuzzy logic. Production Planning and Control, 2007, 18, 420-435.	8.8	44
100	A Negotiation-to-Coordinate (N2C) Mechanism for Modeling Buyer-Supplier Relationship in Dynamic Environment. International Journal of Enterprise Information Systems, 2007, 3, 1-22.	1.0	10
101	Development of a balanced scorecard. International Journal of Productivity and Performance Management, 2006, 56, 25-59.	3.7	175
102	SSQSC: a tool to measure supplier service quality in supply chain. Production Planning and Control, 2006, 17, 448-463.	8.8	29
103	Total quality management (TQM) in self-financed technical institutions. Quality Assurance in Education, 2006, 14, 54-74.	1.5	72
104	A framework for measurement of quality of service in supply chains. Supply Chain Management, 2006, 11, 82-94.	6.4	87
105	A conceptual model for quality of service in the supply chain. International Journal of Physical Distribution and Logistics Management, 2006, 36, 547-575.	7.4	78
106	Implementing Six Sigma in service sector using AHP and Alderfer's motivational model - a case of educational services. International Journal of Six Sigma and Competitive Advantage, 2006, 2, 353.	0.4	5
107	A coordination-based perspective on the procurement process in the supply chain. International Journal of Value Chain Management, 2006, 1, 117.	0.2	25
108	Measuring service quality in technical education and healthcare services. International Journal of Services and Operations Management, 2006, 2, 222.	0.2	19

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109	Efficiency evaluation of the state owned electric utilities in India. Energy Policy, 2006, 34, 2788-2804.	8.8	111
110	Maintenance management: literature review and directions. Journal of Quality in Maintenance Engineering, 2006, 12, 205-238.	1.7	409
111	An exploratory study of manufacturing strategy practices of machinery manufacturing companies in India. Omega, 2006, 34, 254-273.	5.9	65
112	A graph theoretic approach for supply chain coordination. International Journal of Logistics Systems and Management, 2006, 2, 321.	0.2	51
113	Implementing supply chain management in a firm: issues and remedies. Asia Pacific Journal of Marketing and Logistics, 2006, 18, 223-243.	3.2	57
114	Modelling and analysis of supply chain dynamics: a High Intelligent Time (HIT) petri net based approach. International Journal of Industrial and Systems Engineering, 2006, 1, 59.	0.2	26
115	Impact assessment of the Electricity Act 2003 on the Indian power sector. Energy Policy, 2005, 33, 1187-1198.	8.8	86
116	e-Commerce and supply chains: Modelling of dynamics through fuzzy enhanced high level petri net. Sadhana - Academy Proceedings in Engineering Sciences, 2005, 30, 403-429.	1.3	11
117	Advanced manufacturing technology implementation. Journal of Manufacturing Technology Management, 2005, 16, 483-496.	6.4	118
118	Selection of Third-Party Logistics (3PL): A Hybrid Approach Using Interpretive Structural Modeling (ISM) and Analytic Network Process (ANP). Supply Chain Forum, 2005, 6, 32-46.	4.2	102
119	Service quality models: a review. International Journal of Quality and Reliability Management, 2005, 22, 913-949.	2.0	560
120	Advanced manufacturing technologies: evidences from Indian automobile companies. International Journal of Manufacturing Technology and Management, 2004, 6, 426.	0.1	23
121	Exploring linkages between manufacturing competence and business performance. International Journal of Business Performance Management, 2004, 6, 211.	0.3	6
122	Application of principles of event related open systems to business process reengineering. Computers and Industrial Engineering, 2003, 45, 347-374.	6.3	30
123	Evidence of manufacturing strategies in Indian industry: a survey. International Journal of Production Economics, 2003, 83, 279-298.	8.9	92
124	Critical success factors of TQM: A select study of Indian organizations. Production Planning and Control, 2003, 14, 3-14.	8.8	69
125	Technological Forecasting Applications: Framework and Case Study on Combat Vehicles. Defence Science Journal, 2003, 53, 371-391.	0.8	3
126	Multi-attribute decision model for assessing components of total quality management. Total Quality Management and Business Excellence, 2002, 13, 779-796.	0.5	4

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127	Matching of technological forecasting technique to a technology. Technological Forecasting and Social Change, 2002, 69, 1-27.	11.6	74
128	A Multi-Criteria Group Decisionmaking Model for Supplier Rating. Journal of Supply Chain Management, 2002, 38, 22-33.	10.2	266
129	A genetic algorithmic approach for optimization of surface roughness prediction model. International Journal of Machine Tools and Manufacture, 2002, 42, 675-680.	13.4	272
130	Manufacturing strategy. International Journal of Operations and Production Management, 2001, 21, 884-932.	5.9	342
131	Implementation of manufacturing strategy: A select study of Indian process companies. Production Planning and Control, 2001, 12, 89-105.	8.8	37
132	Practice of manufacturing strategy: Evidence from select Indian automobile companies. International Journal of Production Research, 2001, 39, 2353-2393.	7.5	62
133	Business process reengineering : value innovation in industrial engineering practices. International Journal of Computer Applications in Technology, 2001, 14, 119.	0.5	6
134	Vendor rating in purchasing scenario: a confidence interval approach. International Journal of Operations and Production Management, 2001, 21, 1305-1326.	5.9	67
135	Reengineering of materials management system: A case study. International Journal of Production Economics, 2001, 70, 267-278.	8.9	21
136	Development of an integrated information management model: A case of textile industry. Production Planning and Control, 2001, 12, 629-645.	8.8	7
137	Manufacturing strategy: Experiences from Indian manufacturing companies. Production Planning and Control, 2001, 12, 775-786.	8.8	34
138	Manufacturing strategy: Experiences from select indian organizations. Journal of Manufacturing Systems, 2000, 19, 134-148.	13.9	54
139	Reengineering of a supply chain management system: A case study. Production Planning and Control, 2000, 11, 90-104.	8.8	32
140	Quality initiatives in the service sector: A case. Total Quality Management and Business Excellence, 1999, 10, 5-16.	0.5	30
141	JIT purchasing: Literature review and implications for Indian industry. Production Planning and Control, 1999, 10, 276-285.	8.8	31
142	Application of control charts in analytic hierarchy process. Production Planning and Control, 1999, 10, 200-204.	8.8	6
143	Evaluating manufacturing strategy for a learning organization: a case. International Journal of Operations and Production Management, 1999, 19, 308-328.	5.9	43
144	Advanced manufacturing technology selection:A strategic model for learning and evaluation. International Journal of Production Economics, 1998, 55, 295-307.	8.9	87

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145	Managing green productivity: Some strategic directions. <i>Production Planning and Control</i> , 1998, 9, 624-633.	8.8	48
146	Integrated procurement- production system in a just-in-time environment-modelling and analysis. <i>Production Planning and Control</i> , 1997, 8, 31-36.	8.8	12
147	Strategic adoption of a flexible manufacturing system: Case study of an Indian electronics enterprise. <i>Production Planning and Control</i> , 1997, 8, 797-805.	8.8	9
148	A decision support system for selection and justification of advanced manufacturing technologies. <i>Production Planning and Control</i> , 1997, 8, 270-284.	8.8	44
149	Evolution of a decision support system for human resource planning in a petroleum company. <i>International Journal of Production Economics</i> , 1997, 51, 251-261.	8.9	16
150	Simulation for analysis of scheduling rules for a flexible manufacturing system. <i>Journal of Manufacturing Technology Management</i> , 1995, 6, 21-26.	0.5	31
151	Selection and implementation of advanced manufacturing technologies. <i>International Journal of Operations and Production Management</i> , 1995, 15, 43-62.	5.9	60
152	Discussion A note on "The economic ordering quantity for jointly replenishing items". <i>International Journal of Production Research</i> , 1993, 31, 2959-2961.	7.5	36
153	Use of Analytic Hierarchic Process for Evaluating Sources of Supply. <i>International Journal of Physical Distribution and Logistics Management</i> , 1993, 23, 22-28.	7.4	63
154	Effects of cycle time on integrated procurement-production systems - Sensitivity analysis. <i>International Journal of Production Economics</i> , 1992, 27, 119-126.	8.9	1
155	Multi-attribute decision model using the analytic hierarchy process for the justification of manufacturing systems. <i>International Journal of Production Economics</i> , 1992, 28, 227-234.	8.9	53
156	Integrated procurement-production systems: A review. <i>European Journal of Operational Research</i> , 1992, 62, 1-10.	5.7	71
157	Policy alternatives for western and southern power systems in India. <i>Utilities Policy</i> , 1992, 2, 240-247.	4.0	6
158	Analysis of integrated procurement " production systems using mathematical and simulation modelling approaches. <i>Production Planning and Control</i> , 1991, 2, 257-264.	8.8	3
159	A Model for Integrated Procurement-Production Systems. <i>Journal of the Operational Research Society</i> , 1990, 41, 1029-1035.	3.4	7
160	Some studies on integrated multistage production-inventory systems. <i>Engineering Costs and Production Economics</i> , 1989, 15, 163-167.	0.2	0