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	Supply chain coordination: Perspectives, empirical studies and research directions. International Journal of Production Economics, 2008, 115, 316-335.	8.9	669
2	Service quality models: a review. International Journal of Quality and Reliability Management, 2005, 22, 913-949.	2.0	560
3	Maintenance management: literature review and directions. Journal of Quality in Maintenance Engineering, 2006, 12, 205-238.	1.7	409
4	Manufacturing strategy. International Journal of Operations and Production Management, 2001, 21, 884-932.	5.9	342
5	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
6	A Multi-Criteria Group Decisionmaking Model for Supplier Rating. Journal of Supply Chain Management, 2002, 38, 22-33.	10.2	266
7	Strategy development by SMEs for competitiveness: a review. Benchmarking, 2008, 15, 525-547.	4.6	221
8	A literature review and future perspectives on maintenance optimization. Journal of Quality in Maintenance Engineering, 2011, 17, 5-25.	1.7	197
9	Interpretive structural modeling (ISM) of ITâ€enablers for Indian manufacturing SMEs. Information Management and Computer Security, 2008, 16, 113-136.	1.2	179
10	An integrated approach for analysing the enablers and barriers of sustainable manufacturing. Journal of Cleaner Production, 2017, 142, 4412-4439.	9.3	179
11	Development of a balanced scorecard. International Journal of Productivity and Performance Management, 2006, 56, 25-59.	3.7	175
12	Areas of academic research with the impact of COVID-19. American Journal of Emergency Medicine, 2020, 38, 1524-1526.	1.6	147
13	The competitiveness of SMEs in a globalized economy. Management Research Review, 2009, 33, 54-65.	2.7	144
14	Supply chain performance measurement framework for small and medium scale enterprises. Benchmarking, 2009, 16, 702-723.	4.6	121
15	Advanced manufacturing technology implementation. Journal of Manufacturing Technology Management, 2005, 16, 483-496.	6.4	118
16	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
17	Efficiency evaluation of the state owned electric utilities in India. Energy Policy, 2006, 34, 2788-2804.	8.8	111
18	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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19	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
20	Interpretive structural modelling of factors for improving competitiveness of SMEs. International Journal of Productivity and Quality Management, 2007, 2, 423.	0.2	102
21	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
22	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
23	A Review on Supply Chain Coordination: Coordination Mechanisms, Managing Uncertainty and Research Directions. , 2011, , 39-82.		95
24	Evidence of manufacturing strategies in Indian industry: a survey. International Journal of Production Economics, 2003, 83, 279-298.	8.9	92
25	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
26	Advanced manufacturing technology selection:A strategic model for learning and evaluation. International Journal of Production Economics, 1998, 55, 295-307.	8.9	87
27	A framework for measurement of quality of service in supply chains. Supply Chain Management, 2006, 11, 82-94.	6.4	87
28	Impact assessment of the Electricity Act 2003 on the Indian power sector. Energy Policy, 2005, 33, 1187-1198.	8.8	86
29	Evaluating petroleum supply chain performance. Asia Pacific Journal of Marketing and Logistics, 2008, 20, 343-356.	3.2	86
30	Evaluation of buyerâ€“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
31	Supply chain issues in Indian manufacturing SMEs: insights from six case studies. Journal of Manufacturing Technology Management, 2012, 23, 634-664.	6.4	79
32	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
33	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
34	Supply chain coordination issues: an SAPâ€ŁAP framework. Asia Pacific Journal of Marketing and Logistics, 2007, 19, 240-264.	3.2	75
35	Matching of technological forecasting technique to a technology. Technological Forecasting and Social Change, 2002, 69, 1-27.	11.6	74
36	Enablers and Barriers of Sustainable Manufacturing: Results from a Survey of Researchers and Industry Professionals. Procedia CIRP, 2015, 29, 562-567.	1.9	73

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37	Total quality management (TQM) in selfâ€financed technical institutions. Quality Assurance in Education, 2006, 14, 54-74.	1.5	72
38	Integrated procurement-production systems: A review. European Journal of Operational Research, 1992, 62, 1-10.	5.7	71
39	Supply chain management in SMEs: development of constructs and propositions. Asia Pacific Journal of Marketing and Logistics, 2008, 20, 97-131.	3.2	71
40	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
41	Critical success factors of TQM: A select study of Indian organizations. Production Planning and Control, 2003, 14, 3-14.	8.8	69
42	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
43	Analyzing the interaction of critical factors of supplier development using Interpretive Structural Modelingâ€"an empirical study. International Journal of Advanced Manufacturing Technology, 2009, 43, 1081-1093.	3.0	68
44	Vendor rating in purchasing scenario: a confidence interval approach. International Journal of Operations and Production Management, 2001, 21, 1305-1326.	5.9	67
45	An exploratory study of manufacturing strategy practices of machinery manufacturing companies in India. Omega, 2006, 34, 254-273.	5.9	65
46	Supplier selection using fuzzy association rules mining approach. International Journal of Production Research, 2007, 45, 1323-1353.	7.5	65
47	Use of Analytic Hierarchic Process for Evaluating Sources of Supply. International Journal of Physical Distribution and Logistics Management, 1993, 23, 22-28.	7.4	63
48	Practice of manufacturing strategy: Evidence from select Indian automobile companies. International Journal of Production Research, 2001, 39, 2353-2393.	7.5	62
49	FMS scheduling with knowledge based genetic algorithm approach. Expert Systems With Applications, 2011, 38, 3161-3171.	7.6	62
50	Selection and implementation of advanced manufacturing technologies. International Journal of Operations and Production Management, 1995, 15, 43-62.	5.9	60
51	Environmentally responsive supply chains. Journal of Advances in Management Research, 2009, 6, 154-171.	3.0	58
52	Implementing supply chain management in a firm: issues and remedies. Asia Pacific Journal of Marketing and Logistics, 2006, 18, 223-243.	3.2	57
53	Manufacturing strategy: Experiences from select indian organizations. Journal of Manufacturing Systems, 2000, 19, 134-148.	13.9	54
54	Multi-attribute decision model using the analytic hierarchy process for the justification of manufacturing systems. International Journal of Production Economics, 1992, 28, 227-234.	8.9	53

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55	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
56	A graph theoretic approach for supply chain coordination. International Journal of Logistics Systems and Management, 2006, 2, 321.	0.2	51
57	Evaluating performance of national R&D organizations using integrated DEAâ€AHP technique. International Journal of Productivity and Performance Management, 2008, 57, 370-388.	3.7	50
58	Managing green productivity: Some strategic directions. Production Planning and Control, 1998, 9, 624-633.	8.8	48
59	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
60	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
61	Strategy development by small scale industries in India. Industrial Management and Data Systems, 2010, 110, 1073-1093.	3.7	48
62	A decision support system for selection and justification of advanced manufacturing technologies. Production Planning and Control, 1997, 8, 270-284.	8.8	44
63	Coordination in supply chains: an evaluation using fuzzy logic. Production Planning and Control, 2007, 18, 420-435.	8.8	44
64	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
65	Evaluating manufacturing strategy for a learning organization: a case. International Journal of Operations and Production Management, 1999, 19, 308-328.	5.9	43
66	Revisiting information systems to support a dynamic supply chain: issues and perspectives. Production Planning and Control, 2009, 20, 17-29.	8.8	42
67	Developing a conceptual framework for assessing competitiveness of India's agrifood chain. International Journal of Emerging Markets, 2009, 4, 137-159.	2.2	40
68	Implementation of manufacturing strategy: A select study of Indian process companies. Production Planning and Control, 2001, 12, 89-105.	8.8	37
69	Vertical collaboration in the semiconductor industry: A decision framework for supply chain relationships. Computers and Industrial Engineering, 2012, 62, 504-526.	6.3	37
70	Discussion A note on â€˜The economic ordering quantity for jointly replenishing itemsâ€™. International Journal of Production Research, 1993, 31, 2959-2961.	7.5	36
71	Manufacturing strategy: Experiences from Indian manufacturing companies. Production Planning and Control, 2001, 12, 775-786.	8.8	34
72	Supply chain management for SMEs: a research introduction. Management Research Review, 2009, 32, 970-993.	0.7	34

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73	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
74	Reengineering of a supply chain management system: A case study. Production Planning and Control, 2000, 11, 90-104.	8.8	32
75	Simulation for analysis of scheduling rules for a flexible manufacturing system. Journal of Manufacturing Technology Management, 1995, 6, 21-26.	0.5	31
76	JIT purchasing: Literature review and implications for Indian industry. Production Planning and Control, 1999, 10, 276-285.	8.8	31
77	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
78	Quality initiatives in the service sector: A case. Total Quality Management and Business Excellence, 1999, 10, 5-16.	0.5	30
79	Application of principles of event related open systems to business process reengineering. Computers and Industrial Engineering, 2003, 45, 347-374.	6.3	30
80	SSQSC: a tool to measure supplier service quality in supply chain. Production Planning and Control, 2006, 17, 448-463.	8.8	29
81	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
82	Supply chain issues in SMEs: select insights from cases of Indian origin. Production Planning and Control, 2013, 24, 47-71.	8.8	29
83	An integrated sustainability assessment framework: a case of turning process. Clean Technologies and Environmental Policy, 2016, 18, 1475-1513.	4.1	29
84	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
85	Strategic supplier selection: some emerging issues and challenges. International Journal of Logistics Systems and Management, 2009, 5, 61.	0.2	28
86	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
87	Dynamic supply chain modeling using a new fuzzy hybrid negotiation mechanism. International Journal of Production Economics, 2009, 122, 319-328.	8.9	26
88	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
89	A coordination-based perspective on the procurement process in the supply chain. International Journal of Value Chain Management, 2006, 1, 117.	0.2	25
90	Competency and performance analysis of Indian SMEs and large organizations. Competitiveness Review, 2008, 18, 308-321.	2.6	25

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91	Network optimization in supply chain: A KBGA approach. Decision Support Systems, 2012, 52, 528-538.	5.9	25
92	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
93	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
94	Advanced manufacturing technologies: evidences from Indian automobile companies. International Journal of Manufacturing Technology and Management, 2004, 6, 426.	0.1	23
95	Coordinated supply management: review, insights, and limitations. International Journal of Logistics Research and Applications, 2009, 12, 407-422.	8.8	22
96	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
97	Reengineering of materials management system: A case study. International Journal of Production Economics, 2001, 70, 267-278.	8.9	21
98	Mapping of supply chain learning: a framework for SMEs. Learning Organization, 2011, 18, 313-332.	1.4	20
99	An Assessment of Sustainability for Turning Process in an Automobile Firm. Procedia CIRP, 2016, 48, 538-543.	1.9	20
100	Measuring service quality in technical education and healthcare services. International Journal of Services and Operations Management, 2006, 2, 222.	0.2	19
101	Engineering support issues for flexibility in maintenance. Asia Pacific Journal of Marketing and Logistics, 2010, 22, 247-270.	3.2	19
102	Analyzing the interaction of performance appraisal factors using interpretive structural modeling. Performance Improvement, 2010, 49, 25-35.	0.4	18
103	Evolution of a decision support system for human resource planning in a petroleum company. International Journal of Production Economics, 1997, 51, 251-261.	8.9	16
104	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
105	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
106	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
107	A new approach for formation of virtual cells. International Journal of Manufacturing Research, 2009, 4, 171.	0.2	14
108	Flexibility and Sustainability of Supply Chains: Are They Together?. Global Journal of Flexible Systems Management, 2010, 11, 25-37.	6.3	14

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109	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
110	A composite model for employees' performance appraisal and improvement. European Journal of Training and Development, 2012, 36, 448-480.	2.2	13
111	Attributeâ€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
112	Integrated procurement- production system in a just-in-time environment-modelling and analysis. Production Planning and Control, 1997, 8, 31-36.	8.8	12
113	Implementation of information technology: evidence from Indian SMEs. International Journal of Enterprise Network Management, 2008, 2, 248.	0.3	12
114	Maintenance, Repair, and Overhaul Performance Indicators for Military Aircraft. Defence Science Journal, 2012, 62, 83-89.	0.8	12
115	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
116	Revenue sharing in semiconductor industry supply chain: Cooperative game theoretic approach. Sadhana - Academy Proceedings in Engineering Sciences, 2009, 34, 501-527.	1.3	11
117	A coordination theoretic model for three level supply chains using contracts. Sadhana - Academy Proceedings in Engineering Sciences, 2009, 34, 767-798.	1.3	11
118	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
119	Designing balanced scorecard for multi echelon repair inventory systems. Journal of Modelling in Management, 2012, 7, 59-96.	1.9	10
120	Strategic adoption of a flexible manufacturing system: Case study of an Indian electronics enterprise. Production Planning and Control, 1997, 8, 797-805.	8.8	9
121	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
122	Assessment of failures in automobiles due to maintenance errors. International Journal of Systems Assurance Engineering and Management, 2017, 8, 719.	2.4	9
123	Assessing International Success and National Competitive Environment of Shrimp Industries of India and Thailand with Porterâ€™s Diamond Model and Flexibility Theory. Global Journal of Flexible Systems Management, 2007, 8, 31-43.	6.3	8
124	Modelling of FMS control policy: AIS-based fuzzy expert system. International Journal of Industrial and Systems Engineering, 2011, 8, 38.	0.2	8
125	Identifying the perspectives for sustainability enhancement. Journal of Advances in Management Research, 2016, 13, 244-270.	3.0	8
126	A Model for Integrated Procurement-Production Systems. Journal of the Operational Research Society, 1990, 41, 1029-1035.	3.4	7

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127	Development of an integrated information management model: A case of textile industry. Production Planning and Control, 2001, 12, 629-645.	8.8	7
128	Manufacturing flexibility: a multisector study of Indian companies. International Journal of Manufacturing Research, 2007, 2, 225.	0.2	7
129	Flexibility in Maintenance: A Framework. Global Journal of Flexible Systems Management, 2009, 10, 21-33.	6.3	7
130	Policy alternatives for western and southern power systems in India. Utilities Policy, 1992, 2, 240-247.	4.0	6
131	Application of control charts in analytic hierarchy process. Production Planning and Control, 1999, 10, 200-204.	8.8	6
132	Business process reengineering : value innovation in industrial engineering practices. International Journal of Computer Applications in Technology, 2001, 14, 119.	0.5	6
133	Exploring linkages between manufacturing competence and business performance. International Journal of Business Performance Management, 2004, 6, 211.	0.3	6
134	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
135	Multi-attribute decision model for assessing components of total quality management. Total Quality Management and Business Excellence, 2002, 13, 779-796.	0.5	4
136	Customer Needs and Customer Satisfaction Analysis in a Textile Dyeing Process. Clothing and Textiles Research Journal, 2014, 32, 282-295.	3.4	4
137	Analysis of integrated procurement â€" production systems using mathematical and simulation modelling approaches. Production Planning and Control, 1991, 2, 257-264.	8.8	3
138	Evaluating Petroleum Supply Chain Performance: Overcoming Shortcomings of Balanced Scorecard. Global Journal of Flexible Systems Management, 2009, 10, 11-22.	6.3	3
139	Lateral Collaboration in Semiconductor Industry Supply Networks. International Journal of Information Systems and Supply Chain Management, 2014, 7, 39-79.	0.9	3
140	Technological Forecasting Applications: Framework and Case Study on Combat Vehicles. Defence Science Journal, 2003, 53, 371-391.	0.8	3
141	A new approach to model goal and plan conflicts in a dynamic supply chain. , 2007, , .		2
142	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
143	Information security in supply chains — A process framework. , 2012, , .		2
144	A conceptual framework for lateral collaboration in semiconductor industry supply networks. International Journal of Management and Enterprise Development, 2012, 12, 132.	0.3	2

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145	Information security risk assessment in SCM. , 2013, , .		2
146	Performance analysis of high technology collaborative networks: A case of medical device manufacturing. Computers and Industrial Engineering, 2019, 137, 106065.	6.3	2
147	Multi-echelon Repair Inventory Systems: Select Issues in Modular Electronic Equipment. Defence Science Journal, 2010, 60, 514-524.	0.8	2
148	Unifying Efforts to Rebound Operational Excellence and Export Competitiveness. International Journal of Global Business and Competitiveness, 2021, 16, 1-15.	2.4	2
149	Effects of cycle time on integrated procurement-production systems - Sensitivity analysis. International Journal of Production Economics, 1992, 27, 119-126.	8.9	1
150	An enquiry-analysis framework 'EBM-REP' for qualitative research. International Journal of Innovation and Learning, 2008, 5, 557.	0.4	1
151	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
152	Product quality in an inclusive manufacturing system: some considerations. Journal of Intelligent Manufacturing, 2019, 30, 2871-2884.	7.3	1
153	Some studies on integrated multistage production-inventory systems. Engineering Costs and Production Economics, 1989, 15, 163-167.	0.2	0
154	Memoirs â€" S. Wadhwa. Global Journal of Flexible Systems Management, 2009, 10, iii-v.	6.3	0
155	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
156	Message from honorary general chair. , 2014, , .		0
157	Just in time implementation issues in Indian Corrugated Packaging Industries an empirical study in natioanl capital region (NCR). , 2015, , .		0
158	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
159	Modeling Buyer-Supplier Relationships in Dynamic Supply Chains. , 2009, , 288-316.		0
160	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