Sekar Vinodh

List of Publications by Year
in descending order

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217 papers	7,096 citations	57758 44 h-index	91884 69 g-index
222 all docs	222 docs citations	222 times ranked	4114 citing authors

#	Article	IF	Citations
1	Benchmarking Industry 4.0 readiness evaluation using fuzzy approaches. Benchmarking, 2023, 30, 281-306.	4.6	6
2	Impact of technical and social lean practices on SMEsâ€™ performance in automobile industry: a structural equation modelling (SEM) analysis. Total Quality Management and Business Excellence, 2022, 33, 28-54.	3.8	14
3	Evaluation of smart manufacturing performance using a grey theory-based approach: a case study. Grey Systems Theory and Application, 2022, 12, 522-550.	2.1	4
4	TISM-based analysis of important factors for additive manufacturing in healthcare:a case study. Rapid Prototyping Journal, 2022, 28, 268-284.	3.2	4
5	Analysis of barriers of cyber-physical system adoption in small and medium enterprises using interpretive ranking process. International Journal of Quality and Reliability Management, 2022, 39, 2323-2353.	2.0	13
6	Project selection for sustainable additive manufacturing: A case study. , 2022, , 61-80.		0
7	Development of a structural model based on ISM for analysis of barriers to integration of leanwith industry 4.0. TQM Journal, 2021, 33, 1201-1221.	3.3	12
8	Application of interpretive structural modelling for analysis of lean adoption barriers in heavy industry. International Journal of Lean Six Sigma, 2021, 12, 450-475.	3.3	6
9	Analysis of readiness factors for Industry 4.0 implementation in SMEs using COPRAS. International Journal of Quality and Reliability Management, 2021, 38, 1178-1192.	2.0	35
10	Parametric optimization of fused deposition modelling process using Grey based Taguchi and TOPSIS methods for an automotive component. Rapid Prototyping Journal, 2021, 27, 155-175.	3.2	17
11	Application of a hybrid selective inventory control technique in a hospital: a precursor for inventory reduction through lean thinking. TQM Journal, 2021, 33, 568-595.	3.3	9
12	Sustainable industry 4.0 â€“ an exploratory study for uncovering the drivers for integration. Journal of Modelling in Management, 2021, 16, 357-376.	1.9	23
13	Benchmarking smart manufacturing drivers using Grey TOPSIS and COPRAS-G approaches. Benchmarking, 2021, 28, 2916-2951.	4.6	19
14	Sustainable electronics product design and manufacturing: State of art review. International Journal of Sustainable Engineering, 2021, 14, 541-551.	3.5	7
15	Prioritisation of drivers of sustainable additive manufacturing using best worst method. International Journal of Sustainable Engineering, 2021, 14, 1587-1603.	3.5	17
16	Analysis of factors influencing energy consumption of material extrusion-based additive manufacturing using interpretive structural modelling. Rapid Prototyping Journal, 2021, 27, 1363-1377.	3.2	18
17	Application of total interpretive structural modeling for analyzing factors of additive manufacturing and industry 4.0 integration. Rapid Prototyping Journal, 2021, 27, 1591-1608.	3.2	13
18	Analysis of Industry 4.0 challenges using best worst method: A case study. Computers and Industrial Engineering, 2021, 159, 107487.	6.3	56

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19	Design Strategies Enabling Industry 4.0. Smart Innovation, Systems and Technologies, 2021, , 793-803.	0.6	1
20	Prioritizing Drivers of Industry 4.0 Enabling Additive Manufacturing: A Case Study. Lecture Notes in Mechanical Engineering, 2021, , 25-34.	0.4	4
21	Application of fuzzy DEMATEL and fuzzy CODAS for analysis of workforce attributes pertaining to Industry 4.0: a case study. International Journal of Quality and Reliability Management, 2021, 38, 1695-1721.	2.0	26
22	Sustainability evaluation of additive manufacturing processes using grey-based approach. Grey Systems Theory and Application, 2020, 10, 393-412.	2.1	15
23	Analysis of factors influencing AM application in food sector using ISM. Journal of Modelling in Management, 2020, 15, 919-932.	1.9	10
24	TISM for analysis of barriers affecting the adoption of lean concepts to electronics component manufacture. International Journal of Lean Six Sigma, 2020, 11, 1127-1159.	3.3	24
25	Development of structural equation model for Lean Six Sigma system incorporated with sustainability considerations. International Journal of Lean Six Sigma, 2020, 11, 687-710.	3.3	21
26	Integration of continuous improvement strategies with Industry 4.0: a systematic review and agenda for further research. TQM Journal, 2020, 33, 441-472.	3.3	59
27	State of art review on Life Cycle Assessment of polymers. International Journal of Sustainable Engineering, 2020, 13, 411-422.	3.5	45
28	State of art review on Smart Manufacturing. International Journal of Business Excellence, 2020, 1, 1.	0.3	1
29	Sustainable Design of Sprocket Through CAD and CAE: A Case Study. Lecture Notes in Mechanical Engineering, 2020, , 15-28.	0.4	2
30	State of art perspectives of lean and sustainable manufacturing. International Journal of Lean Six Sigma, 2019, 10, 234-256.	3.3	22
31	Application of environmentally conscious manufacturing strategies for an automotive component. International Journal of Sustainable Engineering, 2019, 12, 95-107.	3.5	4
32	Application of multi-grade fuzzy and ANFIS approaches for performance analysis of Lean Six Sigma system with sustainable considerations. International Journal of Services and Operations Management, 2019, 33, 239.	0.2	5
33	Application of system dynamics modelling for a sustainable manufacturing system of an Indian automotive component manufacturing organisation: a case study. Clean Technologies and Environmental Policy, 2019, 21, 1055-1071.	4.1	22
34	Application of fuzzy QFD for improving the process sustainability characteristics: a case study. International Journal of Services and Operations Management, 2019, 32, 173.	0.2	3
35	State of art review on sustainable additive manufacturing. Rapid Prototyping Journal, 2019, 25, 1045-1060.	3.2	38
36	Application of fuzzy axiomatic design for prioritisation of sustainable manufacturing strategies for an automotive component manufacturing scenario. International Journal of Services and Operations Management, 2019, 34, 323.	0.2	1

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37	A conceptual framework for the assessment of sustainability indicators using IF-THEN rules approach: a case study. International Journal of Services and Operations Management, 2019, 34, 361.	0.2	0
38	Application of total interpretive structural modelling (TISM) for analysis of factors influencing sustainable additive manufacturing: a case study. Rapid Prototyping Journal, 2019, 25, 1198-1223.	3.2	30
39	Modelling Factors Influencing Lean Concept Adoption in a Food Processing SME for Ensuring Sustainability. Managing the Asian Century, 2018, , 93-111.	0.2	0
40	Application of fuzzy AHP â€“ TOPSIS for ranking additive manufacturing processes for microfabrication. Rapid Prototyping Journal, 2018, 24, 424-435.	3.2	29
41	Modelling and analysis of sustainable manufacturing system using a digraph-based approach. International Journal of Sustainable Engineering, 2018, 11, 397-411.	3.5	13
42	Application of Structural Equation Modeling for Analysis of Lean Concepts Deployment in Healthcare Sector. Management and Industrial Engineering, 2018, , 91-103.	0.4	2
43	Application of interpretive structural modelling for analysing barriers to total quality management practices implementation in the automotive sector. Total Quality Management and Business Excellence, 2018, 29, 524-545.	3.8	32
44	Application of TISM and MICMAC for analysis of influential factors of sustainable development of tablet devices: a case study. International Journal of Sustainable Engineering, 2018, 11, 353-364.	3.5	34
45	Lean Six Sigma with environmental focus: review and framework. International Journal of Advanced Manufacturing Technology, 2018, 94, 4023-4037.	3.0	68
46	ISM and Fuzzy MICMAC application for analysis of Lean Six Sigma barriers with environmental considerations. International Journal of Lean Six Sigma, 2018, 9, 64-90.	3.3	59
47	Development of software support for process FMEA: a case study. International Journal of Services and Operations Management, 2018, 31, 415.	0.2	2
48	Grey-based decision-making method for sustainable material selection of tablet device enclosure. Clean Technologies and Environmental Policy, 2018, 20, 2345-2356.	4.1	8
49	Optimization of process parameters of SMAW process using NN-FGRA from the sustainability view point. Journal of Intelligent Manufacturing, 2017, 28, 1459-1480.	7.3	17
50	Modeling and performance evaluation of agility coupled with sustainability for business planning. Journal of Management Development, 2017, 36, 109-128.	2.1	25
51	A review on composite materials and process parameters optimisation for the fused deposition modelling process. Virtual and Physical Prototyping, 2017, 12, 47-59.	10.4	303
52	Performance evaluation of lean sustainable systems using adaptive neuro fuzzy inference system: a case study. International Journal of Sustainable Engineering, 2017, 10, 158-175.	3.5	20
53	Application of lean approach for reducing weld defects in a valve component: a case study. International Journal of Lean Six Sigma, 2017, 8, .	3.3	5
54	Benchmarking fuzzy logic and ANFIS approaches for leanness evaluation in an Indian SME. Benchmarking, 2017, 24, 973-993.	4.6	15

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55	Implementation of Lean Six Sigma framework with environmental considerations in an Indian automotive component manufacturing firm: a case study. Production Planning and Control, 2017, 28, 1193-1211.	8.8	113
56	Application of fuzzy quality function deployment for sustainable design of consumer electronics products: a case study. Clean Technologies and Environmental Policy, 2017, 19, 1021-1030.	4.1	25
57	Application of Fuzzy QFD for Environmentally Conscious Design of Mobile Phones. Management and Industrial Engineering, 2017, , 149-160.	0.4	3
58	Application of analytical network process for analysis of product design characteristics of lean remanufacturing system: a case study. Clean Technologies and Environmental Policy, 2017, 19, 971-990.	4.1	12
59	Application of grey relational analysis for material and end of life strategy selection with multiple criteria. International Journal of Materials Engineering Innovation, 2017, 8, 250.	0.5	10
60	Life cycle assessment of an aircraft component: a case study. International Journal of Industrial and Systems Engineering, 2017, 27, 485.	0.2	4
61	MULTI-OBJECTIVE OPTIMIZATION OF TURNING PARAMETERS USING THE COMBINED MOORA AND ENTROPY METHOD. Transactions of the Canadian Society for Mechanical Engineering, 2016, 40, 101-111.	0.8	31
62	Application of interpretive structural modelling and structural equation modelling for analysis of sustainable manufacturing factors in Indian automotive component sector. International Journal of Production Research, 2016, 54, 6661-6682.	7.5	98
63	A case study on applying creative design concepts to brake rotor design. Journal of Engineering, Design and Technology, 2016, 14, 2-16.	1.7	7
64	Application of interpretative structural modelling integrated multi criteria decision making methods for sustainable supplier selection. Journal of Modelling in Management, 2016, 11, 358-388.	1.9	57
65	A case study on application of ORESTE for agile concept selection. Journal of Engineering, Design and Technology, 2016, 14, 781-801.	1.7	8
66	Application of design for Six Sigma methodology to an automotive component. International Journal of Six Sigma and Competitive Advantage, 2016, 10, 1.	0.4	9
67	Application of interpretive structural modelling for analysis of factors influencing lean remanufacturing practices. International Journal of Production Research, 2016, 54, 7439-7452.	7.5	68
68	Application of GRA for Sustainable Material Selection and Evaluation Using LCA. Journal of the Institution of Engineers (India): Series C, 2016, 97, 309-322.	1.2	9
69	Comparison of sustainability characteristics of conventional and CNC turning processes. Journal of Engineering, Design and Technology, 2016, 14, 422-445.	1.7	4
70	Deploying Lean Six Sigma framework in an automotive component manufacturing organization. International Journal of Lean Six Sigma, 2016, 7, 267-293.	3.3	89
71	Application of fuzzy logic for leanness assessment in SMEs: a case study. Journal of Engineering, Design and Technology, 2016, 14, 78-103.	1.7	30
72	Rapid prototyping process selection using multi criteria decision making considering environmental criteria and its decision support system. Rapid Prototyping Journal, 2016, 22, 225-250.	3.2	36

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73	LCA Integrated ANP Framework for Selection of Sustainable Manufacturing Processes. Environmental Modeling and Assessment, 2016, 21, 507-516.	2.2	13
74	Application of interpretive structural modelling for analysing the factors influencing integrated lean sustainable system. Clean Technologies and Environmental Policy, 2016, 18, 413-428.	4.1	61
75	Life cycle assessment integrated value stream mapping framework to ensure sustainable manufacturing: a case study. Clean Technologies and Environmental Policy, 2016, 18, 279-295.	4.1	103
76	A hybrid MCDM approach for agile concept selection using fuzzy DEMATEL, fuzzy ANP and fuzzy TOPSIS. International Journal of Advanced Manufacturing Technology, 2016, 83, 1979-1987.	3.0	63
77	A Graph Theory approach to measure the performance of sustainability enablers in a manufacturing organization. International Journal of Sustainable Engineering, 2016, 9, 47-58.	3.5	17
78	Development of value stream map for an Indian automotive components manufacturing organization. Journal of Engineering, Design and Technology, 2015, 13, 380-399.	1.7	16
79	Lean Six Sigma project selection using hybrid approach based on fuzzy DEMATELâ€“ANPâ€“TOPSIS. International Journal of Lean Six Sigma, 2015, 6, 313-338.	3.3	77
80	A framework for VSM integrated with Fuzzy QFD. TQM Journal, 2015, 27, 616-632.	3.3	25
81	Grey rough set evaluation approach for agile concept selection. International Journal of Mass Customisation, 2015, 5, 55.	1.2	2
82	Development of a methodology to evaluate lean remanufacturing characteristics in a manufacturing organisation. International Journal of Services and Operations Management, 2015, 21, 187.	0.2	8
83	Modelling, assessment and deployment of strategies for ensuring sustainable shielded metal arc welding process â€“ a case study. Journal of Cleaner Production, 2015, 93, 364-377.	9.3	41
84	Benchmarking agility assessment approaches: a case study. Benchmarking, 2015, 22, 2-17.	4.6	33
85	An approach for evaluation of process sustainability using multi-grade fuzzy method. International Journal of Sustainable Engineering, 2015, 8, 40-54.	3.5	36
86	ANP based sustainable concept selection. Journal of Modelling in Management, 2015, 10, 118-136.	1.9	13
87	Application of fuzzy logic for social sustainability performance evaluation: a case study of an Indian automotive component manufacturing organization. Journal of Cleaner Production, 2015, 108, 1184-1192.	9.3	114
88	Application of fuzzy axiomatic design methodology for selection of design alternatives. Journal of Engineering, Design and Technology, 2015, 13, 2-22.	1.7	12
89	Lean Manufacturing: Recent Trends, Research & Development and Education Perspectives. , 2015, , 1-16.		2
90	A Case Study on Lean Product and Process Development. , 2015, , 17-30.		1

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91	Forty criteria based agility assessment using scoring approach in an Indian relays manufacturing organization. Journal of Engineering, Design and Technology, 2014, 12, 507-518.	1.7	20
92	Application of life cycle assessment and Monte Carlo simulation for enabling sustainable product design. Journal of Engineering, Design and Technology, 2014, 12, 307-315.	1.7	13
93	Financial feasibility and value engineering principles integrated quality function deployment for a manufacturing organization. Journal of Engineering, Design and Technology, 2014, 12, 71-88.	1.7	9
94	Lean concept selection using modified fuzzy TOPSIS: a case study. International Journal of Services and Operations Management, 2014, 18, 342.	0.2	9
95	Parametric optimisation of EDM on Al-Cu/TiB<SUB align="right">2 in-situ metal matrix composites using TOPSIS method. International Journal of Machining and Machinability of Materials, 2014, 16, 80.	0.1	40
96	Application of Fuzzy VIKOR for selection of rapid prototyping technologies in an agile environment. Rapid Prototyping Journal, 2014, 20, 523-532.	3.2	30
97	Development of decision support system for sustainability evaluation: a case study. Clean Technologies and Environmental Policy, 2014, 16, 163-174.	4.1	57
98	Integrated Fuzzy AHPâ€“TOPSIS for selecting the best plastic recycling method: A case study. Applied Mathematical Modelling, 2014, 38, 4662-4672.	4.2	114
99	Implementing lean sigma in an Indian rotary switches manufacturing organisation. Production Planning and Control, 2014, 25, 288-302.	8.8	105
100	Application of fuzzy compromise solution method for fit concept selection. Applied Mathematical Modelling, 2014, 38, 1052-1063.	4.2	32
101	Development of integrated ECQFD, LCA and sustainable analysis model. Journal of Engineering, Design and Technology, 2014, 12, 102-127.	1.7	16
102	AHP-PROMETHEE integrated approach for agile concept selection. International Journal of Services and Operations Management, 2014, 18, 449.	0.2	4
103	Integration of ECQFD, TRIZ, and AHP for innovative and sustainable product development. Applied Mathematical Modelling, 2014, 38, 2758-2770.	4.2	74
104	Application of hybrid MCDM techniques for prioritising the gaps in an agile manufacturing implementation project. International Journal of Services and Operations Management, 2014, 17, 421.	0.2	7
105	Sustainability in Mechanical Engineering Discipline. Materials Forming, Machining and Tribology, 2014, , 1-14.	1.1	0
106	Auditing for Measuring the Extent of Lean Implementation. Advances in Logistics, Operations, and Management Science Book Series, 2014, , 290-303.	0.4	0
107	Assessment of product sustainability and the associated risk/benefits for an automotive organisation. International Journal of Advanced Manufacturing Technology, 2013, 66, 733-740.	3.0	5
108	Application of fuzzy VIKOR for concept selection in an agile environment. International Journal of Advanced Manufacturing Technology, 2013, 65, 825-832.	3.0	37

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109	Compromise ranking approach for sustainable concept selection in an Indian modular switches manufacturing organization. International Journal of Advanced Manufacturing Technology, 2013, 64, 1709-1714.	3.0	14
110	A mathematical model to evaluate the role of agility enablers and criteria in a manufacturing environment. International Journal of Production Research, 2013, 51, 5971-5984.	7.5	54
111	Sustainable concept selection using modified fuzzy TOPSIS: a case study. International Journal of Sustainable Engineering, 2013, 6, 109-116.	3.5	23
112	Evaluation of leagility in supply chains using fuzzy logic approach. International Journal of Production Research, 2013, 51, 1186-1195.	7.5	49
113	Application of artificial neural network for fuzzy logic based leanness assessment. Journal of Manufacturing Technology Management, 2013, 24, 274-292.	6.4	38
114	Design of agile supply chain assessment model and its case study in an Indian automotive components manufacturing organization. Journal of Manufacturing Systems, 2013, 32, 620-631.	13.9	64
115	Evaluation of sustainability using an integrated approach at process and product level: a case study. International Journal of Sustainable Engineering, 2013, 6, 131-141.	3.5	9
116	Development of value stream map for achieving leanness in a manufacturing organization. Journal of Engineering, Design and Technology, 2013, 11, 129-141.	1.7	25
117	Lean Six Sigma in SMEs: an exploration through literature review. Journal of Engineering, Design and Technology, 2013, 11, 224-250.	1.7	128
118	Sustainability assessment of an automotive organisation using fuzzy Kano's model. International Journal of Sustainable Engineering, 2013, 6, 1-9.	3.5	9
119	Development of checklist for evaluating sustainability characteristics of manufacturing processes. International Journal of Process Management and Benchmarking, 2013, 3, 213.	0.2	35
120	Multiple Criterion Decision Making Application for Sustainable Material Selection. , 2013, , 419-425.		0
121	Determination of Leagile Supply Chain Index Using Fuzzy ANP Approach. Advanced Materials Research, 2012, 488-489, 1614-1618.	0.3	2
122	Eco-friendly aspects associated with friction welding of tube-to-tube plate using an external tool process. International Journal of Sustainable Engineering, 2012, 5, 120-127.	3.5	39
123	Application of fuzzy logic-based Eco-QFD for a disconnecting switch. International Journal of Sustainable Engineering, 2012, 5, 109-119.	3.5	4
124	Application of probabilistic finite element analysis for crane hook design. Journal of Engineering, Design and Technology, 2012, 10, 255-275.	1.7	5
125	Estimation of reliability and validity of agility constructs using structural equation modelling. International Journal of Production Research, 2012, 50, 6737-6745.	7.5	24
126	Axiomatic modeling of lean manufacturing system. Journal of Engineering, Design and Technology, 2012, 10, 199-216.	1.7	10

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127	Sustainable concept selection using ELECTRE. Clean Technologies and Environmental Policy, 2012, 14, 651-656.	4.1	19
128	Design and development of agile product development cycle for rotary switches. Journal of Engineering, Design and Technology, 2012, 10, 380-396.	1.7	9
129	Development of computerized decision support system for leanness assessment using multi grade fuzzy approach. Journal of Manufacturing Technology Management, 2012, 23, 503-516.	6.4	21
130	PROMETHEE based sustainable concept selection. Applied Mathematical Modelling, 2012, 36, 5301-5308.	4.2	90
131	Thirty-criteria-based agility assessment: a case study in an Indian pump manufacturing organisation. International Journal of Advanced Manufacturing Technology, 2012, 63, 915-929.	3.0	32
132	Scoring and multi-grade fuzzy assessment of agility in an Indian electric automotive car manufacturing organisation. International Journal of Production Research, 2012, 50, 647-660.	7.5	29
133	Application of FMEA to an automotive leaf spring manufacturing organization. TQM Journal, 2012, 24, 260-274.	3.3	37
134	Fuzzy assessment of FMEA for rotary switches: a case study. TQM Journal, 2012, 24, 461-475.	3.3	36
135	Agility evaluation using the IFâ€“THEN approach. International Journal of Production Research, 2012, 50, 7100-7109.	7.5	30
136	Structural Equation Modelling of lean manufacturing practices. International Journal of Production Research, 2012, 50, 1598-1607.	7.5	146
137	Leanness evaluation using IFâ€“THEN rules. International Journal of Advanced Manufacturing Technology, 2012, 63, 407-413.	3.0	35
138	Disassembly modeling, planning, and leveling for a cam-operated rotary switch assembly: a case study. International Journal of Advanced Manufacturing Technology, 2012, 62, 789-800.	3.0	8
139	Thirty criteria based leanness assessment using fuzzy logic approach. International Journal of Advanced Manufacturing Technology, 2012, 60, 1185-1195.	3.0	94
140	Application of analytical network process for the evaluation of sustainable business practices in an Indian relays manufacturing organization. Clean Technologies and Environmental Policy, 2012, 14, 309-317.	4.1	10
141	Application of fuzzy logic-based environmental conscious QFD to rotary switch: a case study. Clean Technologies and Environmental Policy, 2012, 14, 319-332.	4.1	8
142	Environmental impact assessment of an automotive component using eco-indicator and CML methodologies. Clean Technologies and Environmental Policy, 2012, 14, 333-344.	4.1	38
143	Application of fuzzy VIKOR and environmental impact analysis for material selection of an automotive component. Materials & Design, 2012, 37, 478-486.	5.1	195
144	Sustainability through disassembly modeling, planning, and leveling: a case study. Clean Technologies and Environmental Policy, 2012, 14, 55-67.	4.1	13

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145	Structural equation modeling of sustainable manufacturing practices. Clean Technologies and Environmental Policy, 2012, 14, 79-84.	4.1	74
146	Axiomatic modelling of agile production system design. International Journal of Production Research, 2011, 49, 3251-3269.	7.5	21
147	Application of fuzzy QFD for enabling agility in a manufacturing organization. TQM Journal, 2011, 23, 343-357.	3.3	38
148	Fuzzy logic based leanness assessment and its decision support system. International Journal of Production Research, 2011, 49, 4027-4041.	7.5	108
149	Evaluation of agility in supply chains using fuzzy association rules mining. International Journal of Production Research, 2011, 49, 6651-6661.	7.5	22
150	Leanness assessment using multi-grade fuzzy approach. International Journal of Production Research, 2011, 49, 431-445.	7.5	167
151	Application of fuzzy QFD for enabling leanness in a manufacturing organisation. International Journal of Production Research, 2011, 49, 1627-1644.	7.5	69
152	Implementing lean sigma framework in an Indian automotive valves manufacturing organisation: a case study. Production Planning and Control, 2011, 22, 708-722.	8.8	100
153	Application of fuzzy QFD for enabling sustainability. International Journal of Sustainable Engineering, 2011, 4, 313-322.	3.5	21
154	Evaluation of agility in supply chains using multi-grade fuzzy approach. International Journal of Production Research, 2011, 49, 5263-5276.	7.5	49
155	Optimization of friction welding of tube to tube plate using an external tool by hybrid approach. Journal of Alloys and Compounds, 2011, 509, 2758-2769.	5.5	35
156	Development of digital product catalogue for enabling agility in a manufacturing organisation. Journal of Engineering, Design and Technology, 2011, 9, 143-156.	1.7	16
157	Application of QFD for supplier selection in an Indian electronics switches manufacturing organisation. International Journal of Indian Culture and Business Management, 2011, 4, 181.	0.1	7
158	Agile product design through CAD: a case study in an Indian rotary switches manufacturing organisation. International Journal of Industrial and Systems Engineering, 2011, 8, 215.	0.2	2
159	Theory and practice of CAD/CAM infused agile characteristics in the traditional products. International Journal of Productivity and Quality Management, 2011, 8, 225.	0.2	4
160	Environmental impact minimisation in an automotive component using alternative materials and manufacturing processes. Materials & Design, 2011, 32, 5082-5090.	5.1	29
161	Sustainable design of sprocket using CAD and Design Optimisation. Environment, Development and Sustainability, 2011, 13, 939-951.	5.0	9
162	Environmental conscious product design using CAD and CAE. Clean Technologies and Environmental Policy, 2011, 13, 359-367.	4.1	18

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163	Application of ECQFD for enabling environmentally conscious design and sustainable development in an electric vehicle. Clean Technologies and Environmental Policy, 2011, 13, 381-396.	4.1	23
164	Tools and techniques for enabling sustainability through lean initiatives. Clean Technologies and Environmental Policy, 2011, 13, 469-479.	4.1	167
165	Assessment of sustainability using multi-grade fuzzy approach. Clean Technologies and Environmental Policy, 2011, 13, 509-515.	4.1	60
166	Evaluation of sustainability using fuzzy association rules mining. Clean Technologies and Environmental Policy, 2011, 13, 809-819.	4.1	5
167	Twenty criteria based agility assessment using fuzzy logic approach. International Journal of Advanced Manufacturing Technology, 2011, 54, 1219-1231.	3.0	55
168	Evaluation of leanness using fuzzy association rules mining. International Journal of Advanced Manufacturing Technology, 2011, 57, 343-352.	3.0	31
169	Optimization of friction welding of tube-to-tube plate using an external tool by Taguchi method and genetic algorithm. International Journal of Advanced Manufacturing Technology, 2011, 57, 167-182.	3.0	42
170	Application of fuzzy analytic network process for supplier selection in a manufacturing organisation. Expert Systems With Applications, 2011, 38, 272-280.	7.6	186
171	Integration of ECQFD and LCA for enabling sustainable product design in an electric vehicle manufacturing organisation. International Journal of Sustainable Engineering, 2011, 4, 202-214.	3.5	23
172	AHPâ€based lean concept selection in a manufacturing organization. Journal of Manufacturing Technology Management, 2011, 23, 124-136.	6.4	64
173	Computerâ€aided design and engineering as enablers of agile manufacturing. Journal of Manufacturing Technology Management, 2011, 22, 405-418.	6.4	54
174	Application of fuzzy SMART approach for supplier selection. International Journal of Services and Operations Management, 2011, 9, 365.	0.2	16
175	Supplier selection using combined AHP and GRA for a pump manufacturing industry. International Journal of Logistics Systems and Management, 2011, 10, 40.	0.2	17
176	QFD integrated value stream mapping: an enabler of lean manufacturing. International Journal of Productivity and Quality Management, 2011, 7, 501.	0.2	36
177	Wireless/mobile communication aegis taciturn. , 2011, , .		0
178	Application of creative design concept to braking system synchronization in two wheeler bikes. Journal of Engineering, Design and Technology, 2010, 8, 354-368.	1.7	3
179	Implementation of agile supply chain model in an electronic switches manufacturing company. International Journal of Services and Operations Management, 2010, 6, 452.	0.2	12
180	Design agility through computer aided design. Journal of Engineering, Design and Technology, 2010, 8, 94-106.	1.7	16

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181	Optimization of friction welding of tube to tube plate using an external tool. Structural and Multidisciplinary Optimization, 2010, 42, 449-457.	3.5	44
182	Agile product development through CAD and rapid prototyping technologies: an examination in a traditional pump-manufacturing company. International Journal of Advanced Manufacturing Technology, 2010, 46, 663-679.	3.0	43
183	Measuring organisational agility before and after implementation of TADS. International Journal of Advanced Manufacturing Technology, 2010, 47, 809-818.	3.0	40
184	Improvement of agility and sustainability: A case study in an Indian rotary switches manufacturing organisation. Journal of Cleaner Production, 2010, 18, 1015-1020.	9.3	55
185	Integration of ECQFD and LCA for sustainable product design. Journal of Cleaner Production, 2010, 18, 833-842.	9.3	122
186	Amalgamation of mass customisation and agile manufacturing concepts: the theory and implementation study in an electronics switches manufacturing company. International Journal of Production Research, 2010, 48, 2141-2164.	7.5	31
187	Sustainable product design using CAD: a case study in an Indian rotary switches manufacturing organisation. International Journal of Sustainable Engineering, 2010, 3, 181-188.	3.5	7
188	Application of value stream mapping in an Indian camshaft manufacturing organisation. Journal of Manufacturing Technology Management, 2010, 21, 888-900.	6.4	104
189	Achieving agility in manufacturing through finite element mould analysis. Journal of Manufacturing Technology Management, 2010, 21, 604-623.	6.4	27
190	Agility index measurement using multi-grade fuzzy approach integrated in a 20 criteria agile model. International Journal of Production Research, 2010, 48, 7159-7176.	7.5	87
191	Application of fuzzy analytic network process for agile concept selection in a manufacturing organisation. International Journal of Production Research, 2010, 48, 7243-7264.	7.5	28
192	CAD and DFM: enablers of sustainable product design. International Journal of Sustainable Engineering, 2010, 3, 292-298.	3.5	21
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