Sekar Vinodh

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7039539/publications.pdf

Version: 2024-02-01

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	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
2	Application of fuzzy VIKOR and environmental impact analysis for material selection of an automotive component. Materials & Design, 2012, 37, 478-486.	5.1	195
3	Application of fuzzy analytic network process for supplier selection in a manufacturing organisation. Expert Systems With Applications, 2011, 38, 272-280.	7.6	186
4	Leanness assessment using multi-grade fuzzy approach. International Journal of Production Research, 2011, 49, 431-445.	7.5	167
5	Tools and techniques for enabling sustainability through lean initiatives. Clean Technologies and Environmental Policy, 2011, 13, 469-479.	4.1	167
6	Structural Equation Modelling of lean manufacturing practices. International Journal of Production Research, 2012, 50, 1598-1607.	7.5	146
7	Lean Six Sigma in SMEs: an exploration through literature review. Journal of Engineering, Design and Technology, 2013, 11, 224-250.	1.7	128
8	Integration of ECQFD and LCA for sustainable product design. Journal of Cleaner Production, 2010, 18, 833-842.	9.3	122
9	Integrated Fuzzy AHPâ€“TOPSIS for selecting the best plastic recycling method: A case study. Applied Mathematical Modelling, 2014, 38, 4662-4672.	4.2	114
10	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
11	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
12	Fuzzy logic based leanness assessment and its decision support system. International Journal of Production Research, 2011, 49, 4027-4041.	7.5	108
13	Implementing lean sigma in an Indian rotary switches manufacturing organisation. Production Planning and Control, 2014, 25, 288-302.	8.8	105
14	Application of value stream mapping in an Indian camshaft manufacturing organisation. Journal of Manufacturing Technology Management, 2010, 21, 888-900.	6.4	104
15	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
16	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
17	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
18	Thirty criteria based leanness assessment using fuzzy logic approach. International Journal of Advanced Manufacturing Technology, 2012, 60, 1185-1195.	3.0	94

#	Article	IF	Citations
19	PROMETHEE based sustainable concept selection. Applied Mathematical Modelling, 2012, 36, 5301-5308.	4.2	90
20	Deploying Lean Six Sigma framework in an automotive component manufacturing organization. International Journal of Lean Six Sigma, 2016, 7, 267-293.	3.3	89
21	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
22	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
23	Structural equation modeling of sustainable manufacturing practices. Clean Technologies and Environmental Policy, 2012, 14, 79-84.	4.1	74
24	Integration of ECQFD, TRIZ, and AHP for innovative and sustainable product development. Applied Mathematical Modelling, 2014, 38, 2758-2770.	4.2	74
25	Agility through rapid prototyping technology in a manufacturing environment using a 3D printer. Journal of Manufacturing Technology Management, 2009, 20, 1023-1041.	6.4	73
26	Application of fuzzy QFD for enabling leanness in a manufacturing organisation. International Journal of Production Research, 2011, 49, 1627-1644.	7.5	69
27	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
28	Lean Six Sigma with environmental focus: review and framework. International Journal of Advanced Manufacturing Technology, 2018, 94, 4023-4037.	3.0	68
29	AHPâ€based lean concept selection in a manufacturing organization. Journal of Manufacturing Technology Management, 2011, 23, 124-136.	6.4	64
30	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
31	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
32	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
33	Assessment of sustainability using multi-grade fuzzy approach. Clean Technologies and Environmental Policy, 2011, 13, 509-515.	4.1	60
34	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
35	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
36	DESSAC: a decision support system for quantifying and analysing agility. International Journal of Production Research, 2008, 46, 6759-6780.	7.5	58

#	Article	IF	Citations
37	Development of decision support system for sustainability evaluation: a case study. Clean Technologies and Environmental Policy, 2014, 16, 163-174.	4.1	57
38	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
39	Analysis of Industry 4.0 challenges using best worst method: A case study. Computers and Industrial Engineering, 2021, 159, 107487.	6.3	56
40	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
41	Twenty criteria based agility assessment using fuzzy logic approach. International Journal of Advanced Manufacturing Technology, 2011, 54, 1219-1231.	3.0	55
42	Computerâ€aided design and engineering as enablers of agile manufacturing. Journal of Manufacturing Technology Management, 2011, 22, 405-418.	6.4	54
43	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
44	Evaluation of agility in supply chains using multi-grade fuzzy approach. International Journal of Production Research, 2011, 49, 5263-5276.	7.5	49
45	Evaluation of leagility in supply chains using fuzzy logic approach. International Journal of Production Research, 2013, 51, 1186-1195.	7.5	49
46	State of art review on Life Cycle Assessment of polymers. International Journal of Sustainable Engineering, 2020, 13, 411-422.	3.5	45
47	Optimization of friction welding of tube to tube plate using an external tool. Structural and Multidisciplinary Optimization, 2010, 42, 449-457.	3.5	44
48	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
49	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
50	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
51	Measuring organisational agility before and after implementation of TADS. International Journal of Advanced Manufacturing Technology, 2010, 47, 809-818.	3.0	40
52	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
53	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
54	Application of fuzzy QFD for enabling agility in a manufacturing organization. TQM Journal, 2011, 23, 343-357.	3.3	38

#	Article	IF	Citations
55	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
56	Application of artificial neural network for fuzzy logic based leanness assessment. Journal of Manufacturing Technology Management, 2013, 24, 274-292.	6.4	38
57	State of art review on sustainable additive manufacturing. Rapid Prototyping Journal, 2019, 25, 1045-1060.	3.2	38
58	Application of FMEA to an automotive leaf spring manufacturing organization. TQM Journal, 2012, 24, 260-274.	3.3	37
59	Application of fuzzy VIKOR for concept selection in an agile environment. International Journal of Advanced Manufacturing Technology, 2013, 65, 825-832.	3.0	37
60	Quantification of agility. Journal of Engineering, Design and Technology, 2008, 6, 48-64.	1.7	36
61	QFD integrated value stream mapping: an enabler of lean manufacturing. International Journal of Productivity and Quality Management, 2011, 7, 501.	0.2	36
62	Fuzzy assessment of FMEA for rotary switches: a case study. TQM Journal, 2012, 24, 461-475.	3.3	36
63	An approach for evaluation of process sustainability using multi-grade fuzzy method. International Journal of Sustainable Engineering, 2015, 8, 40-54.	3.5	36
64	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
65	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
66	Leanness evaluation using IFâ€“THEN rules. International Journal of Advanced Manufacturing Technology, 2012, 63, 407-413.	3.0	35
67	Development of checklist for evaluating sustainability characteristics of manufacturing processes. International Journal of Process Management and Benchmarking, 2013, 3, 213.	0.2	35
68	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
69	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
70	Benchmarking agility assessment approaches: a case study. Benchmarking, 2015, 22, 2-17.	4.6	33
71	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
72	Application of fuzzy compromise solution method for fit concept selection. Applied Mathematical Modelling, 2014, 38, 1052-1063.	4.2	32

#	Article	IF	Citations
73	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
74	Total agile design system model via literature exploration. Industrial Management and Data Systems, 2009, 109, 570-588.	3.7	31
75	Agility through CAD/CAM integration. Journal of Manufacturing Technology Management, 2009, 20, 197-217.	6.4	31
76	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
77	Evaluation of leanness using fuzzy association rules mining. International Journal of Advanced Manufacturing Technology, 2011, 57, 343-352.	3.0	31
78	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
79	Agility evaluation using the IFâ€“THEN approach. International Journal of Production Research, 2012, 50, 7100-7109.	7.5	30
80	Application of Fuzzy VIKOR for selection of rapid prototyping technologies in an agile environment. Rapid Prototyping Journal, 2014, 20, 523-532.	3.2	30
81	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
82	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
83	Environmental impact minimisation in an automotive component using alternative materials and manufacturing processes. Materials & Design, 2011, 32, 5082-5090.	5.1	29
84	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
85	Application of fuzzy AHP â€“ TOPSIS for ranking additive manufacturing processes for microfabrication. Rapid Prototyping Journal, 2018, 24, 424-435.	3.2	29
86	TADS-ABC: a system for costing total agile design system. International Journal of Production Research, 2009, 47, 6941-6966.	7.5	28
87	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
88	Agile ITQFD and its financial viability: a pilot project approach. TQM Journal, 2008, 20, 520-534.	3.3	27
89	Achieving agility in manufacturing through finite element mould analysis. Journal of Manufacturing Technology Management, 2010, 21, 604-623.	6.4	27
90	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

#	Article	IF	Citations
91	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
92	A framework for VSM integrated with Fuzzy QFD. TQM Journal, 2015, 27, 616-632.	3.3	25
93	Modeling and performance evaluation of agility coupled with sustainability for business planning. Journal of Management Development, 2017, 36, 109-128.	2.1	25
94	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
95	Estimation of reliability and validity of agility constructs using structural equation modelling. International Journal of Production Research, 2012, 50, 6737-6745.	7.5	24
96	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
97	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
98	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
99	Sustainable concept selection using modified fuzzy TOPSIS: a case study. International Journal of Sustainable Engineering, 2013, 6, 109-116.	3.5	23
100	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
101	Evaluation of agility in supply chains using fuzzy association rules mining. International Journal of Production Research, 2011, 49, 6651-6661.	7.5	22
102	State of art perspectives of lean and sustainable manufacturing. International Journal of Lean Six Sigma, 2019, 10, 234-256.	3.3	22
103	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
104	Agility through the interfacing of CAD and CAM. Journal of Engineering, Design and Technology, 2009, 7, 143-170.	1.7	21
105	CAD and DFM: enablers of sustainable product design. International Journal of Sustainable Engineering, 2010, 3, 292-298.	3.5	21
106	Axiomatic modelling of agile production system design. International Journal of Production Research, 2011, 49, 3251-3269.	7.5	21
107	Application of fuzzy QFD for enabling sustainability. International Journal of Sustainable Engineering, 2011, 4, 313-322.	3.5	21
108	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

#	Article	IF	Citations
109	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
110	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
111	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
112	Agile Innovative Total Quality Function Deployment and its financial accountability in an Indian company. International Journal of Indian Culture and Business Management, 2007, 1, 244.	0.1	19
113	Sustainable concept selection using ELECTRE. Clean Technologies and Environmental Policy, 2012, 14, 651-656.	4.1	19
114	Benchmarking smart manufacturing drivers using Grey TOPSIS and COPRAS-G approaches. Benchmarking, 2021, 28, 2916-2951.	4.6	19
115	Environmental conscious product design using CAD and CAE. Clean Technologies and Environmental Policy, 2011, 13, 359-367.	4.1	18
116	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
117	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
118	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
119	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
120	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
121	Prioritisation of drivers of sustainable additive manufacturing using best worst method. International Journal of Sustainable Engineering, 2021, 14, 1587-1603.	3.5	17
122	Computer-aided design of experiments: an enabler of agile manufacturing. International Journal of Advanced Manufacturing Technology, 2009, 44, 940-954.	3.0	16
123	Design agility through computer aided design. Journal of Engineering, Design and Technology, 2010, 8, 94-106.	1.7	16
124	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
125	Application of fuzzy SMART approach for supplier selection. International Journal of Services and Operations Management, 2011, 9, 365.	0.2	16
126	Development of integrated ECQFD, LCA and sustainable analysis model. Journal of Engineering, Design and Technology, 2014, 12, 102-127.	1.7	16

#	Article	IF	Citations
127	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
128	ISO 9001:2000 based Quality Information Management Responsibility System. International Journal of Business Information Systems, 2007, 2, 217.	0.2	15
129	Benchmarking fuzzy logic and ANFIS approaches for leanness evaluation in an Indian SME. Benchmarking, 2017, 24, 973-993.	4.6	15
130	Sustainability evaluation of additive manufacturing processes using grey-based approach. Grey Systems Theory and Application, 2020, 10, 393-412.	2.1	15
131	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
132	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
133	Enhancing competitiveness through CAD phase of Total Agile Design System. International Journal of Process Management and Benchmarking, 2008, 2, 197.	0.2	13
134	Application of QFD for enabling environmentally conscious design in an Indian rotary switch manufacturing organisation. International Journal of Sustainable Engineering, 2010, 3, 95-105.	3.5	13
135	Sustainability through disassembly modeling, planning, and leveling: a case study. Clean Technologies and Environmental Policy, 2012, 14, 55-67.	4.1	13
136	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
137	ANP based sustainable concept selection. Journal of Modelling in Management, 2015, 10, 118-136.	1.9	13
138	LCA Integrated ANP Framework for Selection of Sustainable Manufacturing Processes. Environmental Modeling and Assessment, 2016, 21, 507-516.	2.2	13
139	Modelling and analysis of sustainable manufacturing system using a digraph-based approach. International Journal of Sustainable Engineering, 2018, 11, 397-411.	3.5	13
140	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
141	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
142	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
143	Application of fuzzy axiomatic design methodology for selection of design alternatives. Journal of Engineering, Design and Technology, 2015, 13, 2-22.	1.7	12
144	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

#	Article	IF	Citations
145	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
146	Design and implementation study of innovative total quality function deployment and its financial accounting system. International Journal of Business Innovation and Research, 2006, 1, 204.	0.2	11
147	Axiomatic modeling of lean manufacturing system. Journal of Engineering, Design and Technology, 2012, 10, 199-216.	1.7	10
148	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
149	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
150	Analysis of factors influencing AM application in food sector using ISM. Journal of Modelling in Management, 2020, 15, 919-932.	1.9	10
151	Sustainable design of sprocket using CAD and Design Optimisation. Environment, Development and Sustainability, 2011, 13, 939-951.	5.0	9
152	Design and development of agile product development cycle for rotary switches. Journal of Engineering, Design and Technology, 2012, 10, 380-396.	1.7	9
153	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
154	Sustainability assessment of an automotive organisation using fuzzy Kano's model. International Journal of Sustainable Engineering, 2013, 6, 1-9.	3.5	9
155	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
156	Lean concept selection using modified fuzzy TOPSIS: a case study. International Journal of Services and Operations Management, 2014, 18, 342.	0.2	9
157	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
158	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
159	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
160	The case of implementing innovative total quality function deployment for preventing the sticking of the latching star in electronic switches. Production Planning and Control, 2008, 19, 754-769.	8.8	8
161	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
162	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

#	Article	IF	Citations
163	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
164	A case study on application of ORESTE for agile concept selection. Journal of Engineering, Design and Technology, 2016, 14, 781-801.	1.7	8
165	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
166	Innovative quality circle: a technique for coupling innovation and quality through employee participation. International Journal of Services and Operations Management, 2007, 3, 478.	0.2	7
167	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
168	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
169	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
170	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
171	Sustainable electronics product design and manufacturing: State of art review. International Journal of Sustainable Engineering, 2021, 14, 541-551.	3.5	7
172	Innovations by preventing the breaking of electronic switches using Innovative Total Quality Function Deployment: a team-oriented effort in an Indian company. International Journal of Process Management and Benchmarking, 2007, 2, 152.	0.2	6
173	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
174	Benchmarking Industry 4.0 readiness evaluation using fuzzy approaches. Benchmarking, 2023, 30, 281-306.	4.6	6
175	Infusing agility, innovation and quality in products: an integrated effort through the agile ITQFD technique. International Journal of Services and Operations Management, 2008, 4, 243.	0.2	5
176	Evaluation of sustainability using fuzzy association rules mining. Clean Technologies and Environmental Policy, 2011, 13, 809-819.	4.1	5
177	Application of probabilistic finite element analysis for crane hook design. Journal of Engineering, Design and Technology, 2012, 10, 255-275.	1.7	5
178	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
179	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
180	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

#	Article	IF	Citations
181	Roadmap for lucrative greening of supply chains: theoretical and practical perspectives. International Journal of Process Management and Benchmarking, 2007, 2, 29.	0.2	4
182	Application study of innovative Quality Circle Programme and its Decision Support System in a gear manufacturing company. International Journal of Process Management and Benchmarking, 2009, 3, 24.	0.2	4
183	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
184	Application of fuzzy logic-based Eco-QFD for a disconnecting switch. International Journal of Sustainable Engineering, 2012, 5, 109-119.	3.5	4
185	AHP-PROMETHEE integrated approach for agile concept selection. International Journal of Services and Operations Management, 2014, 18, 449.	0.2	4
186	Comparison of sustainability characteristics of conventional and CNC turning processes. Journal of Engineering, Design and Technology, 2016, 14, 422-445.	1.7	4
187	Life cycle assessment of an aircraft component: a case study. International Journal of Industrial and Systems Engineering, 2017, 27, 485.	0.2	4
188	Application of environmentally conscious manufacturing strategies for an automotive component. International Journal of Sustainable Engineering, 2019, 12, 95-107.	3.5	4
189	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
190	TISM-based analysis of important factors for additive manufacturing in healthcare:a case study. Rapid Prototyping Journal, 2022, 28, 268-284.	3.2	4
191	Prioritizing Drivers of Industry 4.0 Enabling Additive Manufacturing: A Case Study. Lecture Notes in Mechanical Engineering, 2021, , 25-34.	0.4	4
192	Total agile design system in contemporary organisational scenario. Industrial Management and Data Systems, 2008, 108, 1111-1130.	3.7	3
193	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
194	Application of Fuzzy QFD for Environmentally Conscious Design of Mobile Phones. Management and Industrial Engineering, 2017, , 149-160.	0.4	3
195	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
196	Agility and innovation through QFD: an endeavour through agile ITQFD technique. International Journal of Management Practice, 2009, 3, 383.	0.3	2
197	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
198	Determination of Leagile Supply Chain Index Using Fuzzy ANP Approach. Advanced Materials Research, 2012, 488-489, 1614-1618.	0.3	2

#	Article	IF	Citations
199	Grey rough set evaluation approach for agile concept selection. International Journal of Mass Customisation, 2015, 5, 55.	1.2	2
200	Lean Manufacturing: Recent Trends, Research & Development and Education Perspectives. , 2015, , 1-16.		2
201	Application of Structural Equation Modeling for Analysis of Lean Concepts Deployment in Healthcare Sector. Management and Industrial Engineering, 2018, , 91-103.	0.4	2
202	Development of software support for process FMEA: a case study. International Journal of Services and Operations Management, 2018, 31, 415.	0.2	2
203	Sustainable Design of Sprocket Through CAD and CAE: A Case Study. Lecture Notes in Mechanical Engineering, 2020, , 15-28.	0.4	2
204	Executive support for developing maintenance quality mission statement. International Journal of Services and Operations Management, 2008, 4, 580.	0.2	1
205	A Case Study on Lean Product and Process Development. , 2015, , 17-30.		1
206	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
207	Analysis of factors influencing smart product development using Interpretive Structural Modelling: a case study. International Journal of Sustainable Engineering, 0, , 1-19.	3.5	1
208	Design Strategies Enabling Industry 4.0. Smart Innovation, Systems and Technologies, 2021, , 793-803.	0.6	1
209	State of art review on Smart Manufacturing. International Journal of Business Excellence, 2020, 1, 1.	0.3	1
210	Gyroscopic analysis in two-wheeler vehicles: an application oriented case study to ensure rider safety. International Journal of Vehicle Safety, 2008, 3, 194.	0.2	0
211	Wireless/mobile communication aegis taciturn. , 2011, , .		0
212	Modelling Factors Influencing Lean Concept Adoption in a Food Processing SME for Ensuring Sustainability. Managing the Asian Century, 2018, , 93-111.	0.2	0
213	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
214	Multiple Criterion Decision Making Application for Sustainable Material Selection. , 2013, , 419-425.		0
215	Sustainability in Mechanical Engineering Discipline. Materials Forming, Machining and Tribology, 2014, , 1-14.	1.1	0
216	Auditing for Measuring the Extent of Lean Implementation. Advances in Logistics, Operations, and Management Science Book Series, 2014, , 290-303.	0.4	0

#	Article	IF	Citations
217	Project selection for sustainable additive manufacturing: A case study. , 2022, , 61-80.		0