

List of Publications by Year in descending order

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47
papers

1,438
citations

331670

21
h-index

345221

36
g-index

47
all docs

47
docs citations

47
times ranked

708
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of Lean Six Sigma methodology in the registration process of a hospital. International Journal of Productivity and Performance Management, 2014, 63, 613-643.	3.7	130
2	Reducing Patient Waiting Time in Outpatient Department Using Lean Six Sigma Methodology. Quality and Reliability Engineering International, 2014, 30, 1481-1491.	2.3	110
3	Six Sigma implementation – Hurdles and more hurdles. Total Quality Management and Business Excellence, 2005, 16, 721-725.	3.8	103
4	Application of six sigma methodology to reduce defects of a grinding process. Quality and Reliability Engineering International, 2011, 27, 1221-1234.	2.3	85
5	Productivity and performance improvement in the medical records department of a hospital. International Journal of Productivity and Performance Management, 2016, 65, 98-125.	3.7	82
6	Ten commandments of Lean Six Sigma: a practitioners’ perspective. International Journal of Productivity and Performance Management, 2018, 67, 1033-1044.	3.7	69
7	Can Lean Six Sigma make UK public sector organisations more efficient and effective?. International Journal of Productivity and Performance Management, 2016, 65, 995-1002.	3.7	68
8	Case study in Six Sigma methodology: manufacturing quality improvement and guidance for managers. Production Planning and Control, 2012, 23, 624-640.	8.8	65
9	Process improvement through Six Sigma with Beta correction: a case study of manufacturing company. International Journal of Advanced Manufacturing Technology, 2014, 71, 717-730.	3.0	55
10	Application of Six Sigma methodology in a small-scale foundry industry. International Journal of Lean Six Sigma, 2014, 5, 193-211.	3.3	53
11	Reducing patient waiting time in a pathology department using the Six Sigma methodology. Leadership in Health Services, 2013, 26, 253-267.	1.2	47
12	Lean Six Sigma for the healthcare sector: a multiple case study analysis from the Indian context. International Journal of Quality and Reliability Management, 2019, 37, 90-111.	2.0	44
13	Reducing rejection and rework by application of Six Sigma methodology in manufacturing process. International Journal of Six Sigma and Competitive Advantage, 2010, 6, 77.	0.4	42
14	Lean Six Sigma approach in an Indian auto ancillary conglomerate: a case study. Production Planning and Control, 2018, 29, 761-772.	8.8	41
15	Lean Six Sigma competitiveness for micro, small and medium enterprises (MSME): an action research in the Indian context. TQM Journal, 2020, 33, 379-406.	3.3	40
16	An application of Six Sigma methodology for improving the first pass yield of a grinding process. Journal of Manufacturing Technology Management, 2014, 25, 125-135.	6.4	38
17	Application of Lean Six Sigma in IT support services – a case study. TQM Journal, 2019, 31, 417-435.	3.3	35
18	Simulation-based lean six sigma for Industry 4.0: an action research in the process industry. International Journal of Quality and Reliability Management, 2021, 38, 1215-1245.	2.0	31

#	ARTICLE	IF	CITATIONS
19	Application of Six Sigma to improve the quality of the road for wind turbine installation. TQM Journal, 2013, 25, 244-258.	3.3	29
20	A multiple case study analysis of Six Sigma practices in Indian manufacturing companies. International Journal of Quality and Reliability Management, 2016, 33, 1138-1149.	2.0	28
21	Improving Process Capability of Manufacturing Process by Application of Statistical Techniques. Quality Engineering, 2005, 17, 309-315.	1.1	25
22	Product design by application of Taguchi's robust engineering using computer simulation. International Journal of Computer Integrated Manufacturing, 2012, 25, 761-773.	4.6	24
23	Strategies for successful deployment and sustainment of Lean Six Sigma in healthcare sector in India: a multi-level perspective. TQM Journal, 2023, 35, 414-445.	3.3	20
24	Quality improvement by reducing variation: A case study. Total Quality Management and Business Excellence, 2003, 14, 1023-1031.	3.8	15
25	Demand forecasting of tea by seasonal ARIMA model. International Journal of Business Excellence, 2011, 4, 111.	0.3	14
26	Design of Experiments in a higher education setting. International Journal of Productivity and Performance Management, 2014, 63, 513-521.	3.7	13
27	Efficiency improvement on the multicrystalline silicon wafer through six sigma methodology. International Journal of Sustainable Energy, 2012, 31, 143-153.	2.4	12
28	Ten commandments for successful implementation of Design for Six Sigma. TQM Journal, 2021, 33, 1666-1682.	3.3	12
29	Performance and service quality enhancement in a healthcare setting through lean six sigma strategy. International Journal of Quality and Reliability Management, 2023, 40, 365-390.	2.0	11
30	Six Sigma-based approach to optimise the diffusion process of crystalline silicon solar cell manufacturing. International Journal of Sustainable Energy, 2016, 35, 190-204.	2.4	10
31	Application of Lean Six Sigma in conservative dentistry: an action research at an Indian dental college. TQM Journal, 2022, 34, 675-700.	3.3	10
32	Quality engineering of a traction alternator by robust design. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2010, 224, 297-304.	2.4	9
33	QUALITY IMPROVEMENT THROUGH DESIGN OF EXPERIMENTS: A CASE STUDY. Quality Engineering, 2000, 12, 407-416.	1.1	7
34	Application of Taguchi method to optimise the characteristics of green sand in a foundry. International Journal of Business Excellence, 2011, 4, 191.	0.3	7
35	Inference based on progressive Type I interval censored data from log-normal distribution. Communications in Statistics Part B: Simulation and Computation, 2017, 46, 6495-6512.	1.2	7
36	Quality in the construction industry: An application of DOE with goal programming. Total Quality Management and Business Excellence, 2008, 19, 1249-1255.	3.8	6

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37	Modelling and optimisation of natural fibre reinforced polymer nanocomposite: application of mixture-design technique. <i>Multidiscipline Modeling in Materials and Structures</i> , 2020, 17, 507-521.	1.3	6
38	Application of statistical techniques for improving yield of a manufacturing process. <i>International Journal of Business Excellence</i> , 2013, 6, 361.	0.3	5
39	Application of Taguchi-based Six Sigma method to reduce defects in green sand casting process: a case study. <i>International Journal of Business and Systems Research</i> , 2019, 13, 226.	0.3	5
40	Multi-objective modelling and optimization of Al-SiC composite material: a multi-disciplinary approach. <i>Multiscale and Multidisciplinary Modeling, Experiments and Design</i> , 2022, 5, 53-66.	2.1	5
41	Application of Six Sigma methodology to enhance the productivity and performance of a hotel in the UAE. <i>TQM Journal</i> , 2023, 35, 554-576.	3.3	5
42	SARIMA models for forecasting call volume in emergency services. <i>International Journal of Business Excellence</i> , 2016, 10, 545.	0.3	4
43	Estimation of $P(X < Y)$ for generalized half logistic distribution based on Type-II censored data. <i>International Journal of Quality and Reliability Management</i> , 2017, 34, 1111-1122.	2.0	4
44	A study on critical failure factors of Design for Six Sigma in Indian companies: results from a pilot survey. <i>TQM Journal</i> , 2023, 35, 1072-1093.	3.3	4
45	Enhancing the tensile strength of SiC reinforced aluminium-based functionally graded structure through the mixture design approach. <i>International Journal of Structural Integrity</i> , 2022, 13, 150-163.	3.3	2
46	Role of the organized sector in developing small-scale industries as vendors: A case study of experimental approach. <i>Total Quality Management and Business Excellence</i> , 2000, 11, 171-178.	0.5	1
47	Application of tools and techniques of quality by design in pharmaceutical process. <i>International Journal of Productivity and Performance Management</i> , 2021, ahead-of-print, .	3.7	0