

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 | 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 |
| 2 | 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 |
| 3 | Application of Six Sigma methodology to enhance the productivity and performance of a hotel in the UAE. TQM Journal, 2023, 35, 554-576. | 3.3 | 5 |
| 4 | A study on critical failure factors of Design for Six Sigma in Indian companies: results from a pilot survey. TQM Journal, 2023, 35, 1072-1093. | 3.3 | 4 |
| 5 | 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 |
| 6 | Enhancing the tensile strength of SiC reinforced aluminium-based functionally graded structure through the mixture design approach. International Journal of Structural Integrity, 2022, 13, 150-163. | 3.3 | 2 |
| 7 | Multi-objective modelling and optimization of Al-SiC composite material: a multi-disciplinary approach. Multiscale and Multidisciplinary Modeling, Experiments and Design, 2022, 5, 53-66. | 2.1 | 5 |
| 8 | 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 |
| 9 | Ten commandments for successful implementation of Design for Six Sigma. TQM Journal, 2021, 33, 1666-1682. | 3.3 | 12 |
| 10 | Application of tools and techniques of quality by design in pharmaceutical process. International Journal of Productivity and Performance Management, 2021, ahead-of-print, . | 3.7 | 0 |
| 11 | Modelling and optimisation of natural fibre reinforced polymer nanocomposite: application of mixture-design technique. Multidiscipline Modeling in Materials and Structures, 2020, 17, 507-521. | 1.3 | 6 |
| 12 | 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 |
| 13 | Application of Lean Six Sigma in IT support services – a case study. TQM Journal, 2019, 31, 417-435. | 3.3 | 35 |
| 14 | 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 |
| 15 | Application of Taguchi-based Six Sigma method to reduce defects in green sand casting process: a case study. International Journal of Business and Systems Research, 2019, 13, 226. | 0.3 | 5 |
| 16 | Ten commandments of Lean Six Sigma: a practitioners' perspective. International Journal of Productivity and Performance Management, 2018, 67, 1033-1044. | 3.7 | 69 |
| 17 | Lean Six Sigma approach in an Indian auto ancillary conglomerate: a case study. Production Planning and Control, 2018, 29, 761-772. | 8.8 | 41 |
| 18 | Estimation of $P(X < Y)$ for generalized half logistic distribution based on Type-II censored data. International Journal of Quality and Reliability Management, 2017, 34, 1111-1122. | 2.0 | 4 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | 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 |
| 20 | SARIMA models for forecasting call volume in emergency services. International Journal of Business Excellence, 2016, 10, 545. | 0.3 | 4 |
| 21 | 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 |
| 22 | 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 |
| 23 | 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 |
| 24 | 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 |
| 25 | 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 |
| 26 | Application of Six Sigma methodology in a small-scale foundry industry. International Journal of Lean Six Sigma, 2014, 5, 193-211. | 3.3 | 53 |
| 27 | 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 |
| 28 | Design of Experiments in a higher education setting. International Journal of Productivity and Performance Management, 2014, 63, 513-521. | 3.7 | 13 |
| 29 | 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 |
| 30 | Reducing Patient Waiting Time in Outpatient Department Using Lean Six Sigma Methodology. Quality and Reliability Engineering International, 2014, 30, 1481-1491. | 2.3 | 110 |
| 31 | Application of Six Sigma to improve the quality of the road for wind turbine installation. TQM Journal, 2013, 25, 244-258. | 3.3 | 29 |
| 32 | Reducing patient waiting time in a pathology department using the Six Sigma methodology. Leadership in Health Services, 2013, 26, 253-267. | 1.2 | 47 |
| 33 | Application of statistical techniques for improving yield of a manufacturing process. International Journal of Business Excellence, 2013, 6, 361. | 0.3 | 5 |
| 34 | 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 |
| 35 | Efficiency improvement on the multicrystalline silicon wafer through six sigma methodology. International Journal of Sustainable Energy, 2012, 31, 143-153. | 2.4 | 12 |
| 36 | Case study in Six Sigma methodology: manufacturing quality improvement and guidance for managers. Production Planning and Control, 2012, 23, 624-640. | 8.8 | 65 |

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|----|---|-----|-----------|
| 37 | Demand forecasting of tea by seasonal ARIMA model. International Journal of Business Excellence, 2011, 4, 111. | 0.3 | 14 |
| 38 | 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 |
| 39 | Application of six sigma methodology to reduce defects of a grinding process. Quality and Reliability Engineering International, 2011, 27, 1221-1234. | 2.3 | 85 |
| 40 | 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 |
| 41 | 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 |
| 42 | 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 |
| 43 | Six Sigma implementation – Hurdles and more hurdles. Total Quality Management and Business Excellence, 2005, 16, 721-725. | 3.8 | 103 |
| 44 | Improving Process Capability of Manufacturing Process by Application of Statistical Techniques. Quality Engineering, 2005, 17, 309-315. | 1.1 | 25 |
| 45 | Quality improvement by reducing variation: A case study. Total Quality Management and Business Excellence, 2003, 14, 1023-1031. | 3.8 | 15 |
| 46 | QUALITY IMPROVEMENT THROUGH DESIGN OF EXPERIMENTS: A CASE STUDY. Quality Engineering, 2000, 12, 407-416. | 1.1 | 7 |
| 47 | Role of the organized sector in developing small-scale industries as vendors: A case study of experimental approach. Total Quality Management and Business Excellence, 2000, 11, 171-178. | 0.5 | 1 |