

Guilherme L Tortorella

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

126
papers

2,615
citations

27
h-index

47
g-index

149
ext. papers

3,754
ext. citations

3.9
avg, IF

6.32
L-index

| # | Paper | IF | Citations |
|-----|--|-----|-----------|
| 126 | A comprehensive framework for classification and selection of H4.0 digital technologies affecting healthcare processes in the grey environment. <i>TQM Journal</i> , 2022 , ahead-of-print, | 3.4 | 3 |
| 125 | Customized prediction of attendance to soccer matches based on symbolic regression and genetic programming. <i>Expert Systems With Applications</i> , 2022 , 187, 115912 | 7.8 | 2 |
| 124 | Determining the Critical Failure Factors for Industry 4.0: An Exploratory Sequential Mixed Method Study. <i>IEEE Transactions on Engineering Management</i> , 2022 , 1-15 | 2.6 | 1 |
| 123 | Impact of COVID-19 outbreak on employee performance [Moderating role of industry 4.0 base technologies. <i>International Journal of Production Economics</i> , 2021 , 234, 108075 | 9.3 | 42 |
| 122 | Bundles of Lean Automation practices and principles and their impact on operational performance. <i>International Journal of Production Economics</i> , 2021 , 235, 108106 | 9.3 | 7 |
| 121 | Impacts of Healthcare 4.0 digital technologies on the resilience of hospitals. <i>Technological Forecasting and Social Change</i> , 2021 , 166, 120666 | 9.5 | 18 |
| 120 | A systematic literature review on the stochastic analysis of value streams. <i>Production Planning and Control</i> , 2021 , 32, 121-131 | 4.3 | 7 |
| 119 | The mediating effect of employees' involvement on the relationship between Industry 4.0 and operational performance improvement. <i>Total Quality Management and Business Excellence</i> , 2021 , 32, 119-133 | 2.7 | 36 |
| 118 | Pandemic's effect on the relationship between lean implementation and service performance. <i>Journal of Service Theory and Practice</i> , 2021 , 31, 203-224 | 3.1 | 9 |
| 117 | Reliability of internal logistics distribution in a hospital. <i>TQM Journal</i> , 2021 , 33, 596-617 | 3.4 | 1 |
| 116 | Identifying pathways to a high-performing lean automation implementation: An empirical study in the manufacturing industry. <i>International Journal of Production Economics</i> , 2021 , 231, 107918 | 9.3 | 18 |
| 115 | Influence of team members' characteristics on the sustainability of continuous improvement initiatives. <i>Total Quality Management and Business Excellence</i> , 2021 , 32, 852-868 | 2.7 | 5 |
| 114 | An overview of 42 years of lean production: applying bibliometric analysis to investigate strategic themes and scientific evolution structure. <i>Technology Analysis and Strategic Management</i> , 2021 , 33, 1068-1087 | 3.2 | 7 |
| 113 | Hospital Investment Decisions in Healthcare 4.0 Technologies: Scoping Review and Framework for Exploring Challenges, Trends, and Research Directions. <i>Journal of Medical Internet Research</i> , 2021 , 23, e27571 | 7.6 | 1 |
| 112 | Contributions of Industry 4.0 to supply chain resilience. <i>International Journal of Logistics Management</i> , 2021 , ahead-of-print, | 4.5 | 3 |
| 111 | Assessing the adoption of critical success factors for lean six sigma implementation. <i>Journal of Manufacturing Technology Management</i> , 2021 , ahead-of-print, | 7.1 | 1 |
| 110 | Contributions of Healthcare 4.0 digital applications to the resilience of healthcare organizations during the COVID-19 outbreak. <i>Technovation</i> , 2021 , 102379 | 7.9 | 3 |

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| 109 | Forecasting the length-of-stay of pediatric patients in hospitals: a scoping review. <i>BMC Health Services Research</i> , 2021 , 21, 938 | 2.9 | 1 |
| 108 | Operations Management teaching practices and information technologies adoption in emerging economies during COVID-19 outbreak. <i>Technological Forecasting and Social Change</i> , 2021 , 171, 120996 | 9.5 | 7 |
| 107 | Integration of Industry 4.0 technologies into Total Productive Maintenance practices. <i>International Journal of Production Economics</i> , 2021 , 240, 108224 | 9.3 | 13 |
| 106 | Digital technologies: An exploratory study of their role in the resilience of healthcare services. <i>Applied Ergonomics</i> , 2021 , 97, 103517 | 4.2 | 4 |
| 105 | Analysis of the relationship between barriers and practices in the lean supply chain management. <i>International Journal of Lean Six Sigma</i> , 2021 , 12, 607-626 | 4.6 | 1 |
| 104 | Lean accounting: a structured literature review. <i>TQM Journal</i> , 2021 , ahead-of-print, | 3.4 | 1 |
| 103 | Perspectives for IoT-Based Integration of Distributed and Automated Manufacturing Lines for Mass Customization. <i>Lecture Notes on Multidisciplinary Industrial Engineering</i> , 2020 , 31-41 | 0.3 | 1 |
| 102 | Designing lean value streams in the fourth industrial revolution era: proposition of technology-integrated guidelines. <i>International Journal of Production Research</i> , 2020 , 58, 5020-5033 | 7.8 | 36 |
| 101 | Effects of Lean Healthcare on Patient Flow: A Systematic Review. <i>Value in Health</i> , 2020 , 23, 260-273 | 3.3 | 29 |
| 100 | Effects of contingencies on healthcare 4.0 technologies adoption and barriers in emerging economies. <i>Technological Forecasting and Social Change</i> , 2020 , 156, 120048 | 9.5 | 21 |
| 99 | A Conceptual People-Centric Framework for Sustainable Operational Excellence. <i>Open Journal of Business and Management</i> , 2020 , 08, 1034-1058 | 0.4 | 1 |
| 98 | Healthcare 4.0: trends, challenges and research directions. <i>Production Planning and Control</i> , 2020 , 31, 1245-1260 | 4.3 | 37 |
| 97 | Measuring the effect of Healthcare 4.0 implementation on hospitals performance. <i>Production Planning and Control</i> , 2020 , 1-16 | 4.3 | 9 |
| 96 | An empirical investigation on learning and teaching lean manufacturing. <i>Education and Training</i> , 2020 , 62, 339-354 | 2.2 | 3 |
| 95 | Lean production myths: an exploratory study. <i>Journal of Manufacturing Technology Management</i> , 2020 , 32, 1-19 | 7.1 | 7 |
| 94 | Design of a methodology to incorporate Lean Manufacturing tools in risk management, to reduce work accidents at service companies. <i>Procedia Computer Science</i> , 2020 , 177, 276-283 | 1.6 | 2 |
| 93 | Towards the proposition of a Lean Automation framework. <i>Journal of Manufacturing Technology Management</i> , 2020 , 32, 593-620 | 7.1 | 27 |
| 92 | A framework proposition to identify customer value through lean practices. <i>Journal of Manufacturing Technology Management</i> , 2020 , 31, 725-747 | 7.1 | 10 |

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| 91 | Analysing the influence of organisational culture and leadership styles on the implementation of lean manufacturing. <i>Production Planning and Control</i> , 2020 , 1-13 | 4.3 | 9 |
| 90 | Proposition of a method for stochastic analysis of value streams. <i>Production Planning and Control</i> , 2020 , 1-17 | 4.3 | 3 |
| 89 | Assessing the Impact of Lean Healthcare on Inpatient Care: A Systematic Review. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17, | 4.6 | 14 |
| 88 | Analysis of the Implementation of a Lean Service in a Shared Service Center: A Study of Stability and Capacity. <i>IEEE Transactions on Engineering Management</i> , 2020 , 67, 334-346 | 2.6 | 4 |
| 87 | Organizational learning paths based upon industry 4.0 adoption: An empirical study with Brazilian manufacturers. <i>International Journal of Production Economics</i> , 2020 , 219, 284-294 | 9.3 | 99 |
| 86 | Learning organisation and lean production: an empirical research on their relationship. <i>International Journal of Production Research</i> , 2020 , 58, 3650-3666 | 7.8 | 14 |
| 85 | Assessment of Lean implementation in Hotels Supply chains. <i>Production</i> , 2019 , 29, | 1.3 | 4 |
| 84 | Leadership behaviors during lean healthcare implementation: a review and longitudinal study. <i>Journal of Manufacturing Technology Management</i> , 2019 , 31, 193-215 | 7.1 | 15 |
| 83 | How can general leadership theories help to expand the knowledge of lean leadership?. <i>Production Planning and Control</i> , 2019 , 30, 1322-1336 | 4.3 | 26 |
| 82 | Assessment methodology for Lean Practices in healthcare organizations: case study in a Brazilian public hospital. <i>Production</i> , 2019 , 29, | 1.3 | 2 |
| 81 | Literature review on lean healthcare implementation: assessment methods and practices. <i>International Journal of Services and Operations Management</i> , 2019 , 32, 285 | 0.4 | 12 |
| 80 | Lean implementation in healthcare supply chain: a scoping review. <i>Journal of Health Organization and Management</i> , 2019 , 33, 304-322 | 1.9 | 33 |
| 79 | The interrelation between Industry 4.0 and lean production: an empirical study on European manufacturers. <i>International Journal of Advanced Manufacturing Technology</i> , 2019 , 102, 3963-3976 | 3.2 | 86 |
| 78 | Mass Customization Process in Companies from the Housing Sector in Brazil. <i>Management and Industrial Engineering</i> , 2019 , 99-118 | 0.2 | 1 |
| 77 | Mediating role of learning organization on the relationship between total quality management and operational performance in Brazilian manufacturers. <i>Journal of Manufacturing Technology Management</i> , 2019 , 31, 524-541 | 7.1 | 6 |
| 76 | Managing practitioners' experience and generational differences for adopting lean production principles. <i>TQM Journal</i> , 2019 , 31, 758-771 | 3.4 | 3 |
| 75 | How do different generations contribute to the development of a learning organization in companies undergoing a lean production implementation?. <i>Learning Organization</i> , 2019 , 27, 101-115 | 1.8 | 9 |
| 74 | Industry 4.0 adoption as a moderator of the impact of lean production practices on operational performance improvement. <i>International Journal of Operations and Production Management</i> , 2019 , 39, 860-886 | 6.8 | 92 |

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| 73 | Industry 4.0 and Lean Manufacturing. <i>Journal of Manufacturing Technology Management</i> , 2019 , 32, 543-569 | | 63 |
| 72 | A lean six sigma framework for continuous and incremental improvement in the oil and gas sector. <i>International Journal of Lean Six Sigma</i> , 2019 , 11, 577-595 | 4.6 | 10 |
| 71 | Industry 4.0 and Lean Production: an empirical study. <i>IFAC-PapersOnLine</i> , 2019 , 52, 42-47 | 0.7 | 19 |
| 70 | A comparison on Industry 4.0 and Lean Production between manufacturers from emerging and developed economies. <i>Total Quality Management and Business Excellence</i> , 2019 , 1-22 | 2.7 | 18 |
| 69 | Hoshin Kanri and A3: a proposal for integrating variability into the policy deployment process. <i>TQM Journal</i> , 2019 , 31, 118-135 | 3.4 | 11 |
| 68 | Lean-Oriented Layout Design of a Health Care Facility. <i>Quality Management in Health Care</i> , 2019 , 28, 25-32 | 1 | 7 |
| 67 | The moderating role of just-in-time on sociotechnical practices' effect over quality and workers' health. <i>Human Factors and Ergonomics in Manufacturing</i> , 2019 , 29, 210-223 | 1.4 | 5 |
| 66 | Exploring Industry 4.0 technologies to enable circular economy practices in a manufacturing context. <i>Journal of Manufacturing Technology Management</i> , 2019 , 30, 607-627 | 7.1 | 264 |
| 65 | Lean production and operational performance in the Brazilian automotive supply chain. <i>Total Quality Management and Business Excellence</i> , 2019 , 30, 370-385 | 2.7 | 38 |
| 64 | How does Industry 4.0 contribute to operations management?. <i>Journal of Industrial and Production Engineering</i> , 2018 , 35, 255-268 | 1 | 87 |
| 63 | Supply chain performance: how lean practices efficiently drive improvements. <i>Journal of Manufacturing Technology Management</i> , 2018 , 29, 829-845 | 7.1 | 11 |
| 62 | Lean Supply Chain Management: A Systematic Literature Review of Practices, Barriers and Contextual Factors Inherent to Its Implementation. <i>Management and Industrial Engineering</i> , 2018 , 39-68 | 0.2 | 9 |
| 61 | Association Between Lean Manufacturing Teaching Methods and Students Learning Preferences. <i>Management and Industrial Engineering</i> , 2018 , 105-128 | 0.2 | 1 |
| 60 | Digital Obeya Room: exploring the synergies between BIM and lean for visual construction management. <i>Innovative Infrastructure Solutions</i> , 2018 , 3, 1 | 2.3 | 18 |
| 59 | Help chain in companies undergoing a lean implementation. <i>International Journal of Lean Six Sigma</i> , 2018 , 9, 113-132 | 4.6 | 16 |
| 58 | A Literature Review on Lean Manufacturing in Small Manufacturing Companies. <i>Management and Industrial Engineering</i> , 2018 , 69-89 | 0.2 | 3 |
| 57 | Lean manufacturing implementation: leadership styles and contextual variables. <i>International Journal of Operations and Production Management</i> , 2018 , 38, 1205-1227 | 6.8 | 50 |
| 56 | Implementation of Industry 4.0 and lean production in Brazilian manufacturing companies. <i>International Journal of Production Research</i> , 2018 , 56, 2975-2987 | 7.8 | 284 |

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| 55 | Teaching lean manufacturing at a postgraduate level. <i>International Journal of Lean Six Sigma</i> , 2018 , 9, 301-323 | 4.6 | 12 |
| 54 | Lean product development and lean manufacturing: Testing moderation effects. <i>International Journal of Production Economics</i> , 2018 , 203, 301-310 | 9.3 | 53 |
| 53 | Lean supply chain practices: an exploratory study on their relationship. <i>International Journal of Logistics Management</i> , 2018 , 29, 1049-1076 | 4.5 | 21 |
| 52 | Identification of the relationships between critical success factors, barriers and practices for lean implementation in a small company. <i>Brazilian Journal of Operations and Production Management</i> , 2018 , 15, 232-246 | 1.9 | 2 |
| 51 | Quantitative demand forecasting adjustment based on qualitative factors: case study at a fast food restaurant. <i>Sistemas & Gest</i> , 2018 , 13, 68-80 | 0.1 | 2 |
| 50 | TOWARDS SUSTAINABILITY THROUGH GREEN, LEAN AND SIX SIGMA INTEGRATION AT SERVICE INDUSTRY: REVIEW AND FRAMEWORK. <i>Technological and Economic Development of Economy</i> , 2018 , 24, 1659-1678 | 4.7 | 20 |
| 49 | Análise do efeito das práticas sociotécnicas no desempenho em qualidade e saúde dos colaboradores em empresas com implementação Lean 2018 , 31, 31-54 | | |
| 48 | Relationship Between Operational Performance and Help Chain Critical Success Factors. <i>Lecture Notes in Management and Industrial Engineering</i> , 2018 , 269-276 | 0.3 | |
| 47 | A Six Sigma Approach to Analyze Time-to-Assembly Variance of Surgical Trays in a Sterile Services Department. <i>Journal for Healthcare Quality: Official Publication of the National Association for Healthcare Quality</i> , 2018 , 40, e46-e53 | 1 | 7 |
| 46 | Simulation-based analysis of inventory strategies in lean supply chains. <i>IFAC-PapersOnLine</i> , 2018 , 51, 1453-1458 | 0.7 | 8 |
| 45 | Combining traditional teaching methods and PBL for teaching and learning of lean manufacturing. <i>IFAC-PapersOnLine</i> , 2018 , 51, 915-920 | 0.7 | 10 |
| 44 | Identificação dos relacionamentos entre os fatores críticos de sucesso, barreiras e práticas para a implementação enxuta em uma pequena empresa. <i>Revista Produção Online</i> , 2018 , 18, 1422-1444 | 0 | |
| 43 | Modelo de relações entre os riscos que afetam a implantação de produção enxuta. <i>Gestão & Produção</i> , 2018 , 25, 696-712 | 0.9 | 1 |
| 42 | Productivity improvement in solid waste recycling centres through lean implementation aided by multi-criteria decision analysis. <i>Benchmarking</i> , 2018 , 25, 1480-1499 | 4 | 10 |
| 41 | Making the value flow: application of value stream mapping in a Brazilian public healthcare organisation. <i>Total Quality Management and Business Excellence</i> , 2017 , 28, 1544-1558 | 2.7 | 35 |
| 40 | Implementation of Lean and Green practices: a supplier-oriented assessment method. <i>Production Engineering</i> , 2017 , 11, 531-543 | 1.9 | 8 |
| 39 | Implementation of lean supply chain: an empirical research on the effect of context. <i>TQM Journal</i> , 2017 , 29, 610-623 | 3.4 | 26 |
| 38 | Simulation-based analysis of a supplier-manufacturer relationship in lean supply chains. <i>International Journal of Lean Six Sigma</i> , 2017 , 8, 262-274 | 4.6 | 17 |

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| 37 | Variable selection framework for allocating products to recommended replenishment models in VMI applications. <i>Journal of Advances in Management Research</i> , 2017 , 14, 128-142 | 2.2 | 1 |
| 36 | The moderating effect of Lean supply chain management on the impact of Lean shop floor practices on quality and inventory. <i>Supply Chain Management</i> , 2017 , 22, 473-485 | 10 | 51 |
| 35 | An initiative for integrating problem-based learning into a lean manufacturing course of an industrial engineering graduate program. <i>Production</i> , 2017 , 27, | 1.3 | 8 |
| 34 | Implementation of lean manufacturing and situational leadership styles. <i>Leadership and Organization Development Journal</i> , 2017 , 38, 946-968 | 2.9 | 24 |
| 33 | Lean manufacturing implementation, context and behaviors of multi-level leadership. <i>Journal of Manufacturing Technology Management</i> , 2017 , 28, 867-891 | 7.1 | 20 |
| 32 | Lean supply chain management: Empirical research on practices, contexts and performance. <i>International Journal of Production Economics</i> , 2017 , 193, 98-112 | 9.3 | 68 |
| 31 | The benchmarking of the use of toolkit for mass customization in the automobile industry. <i>Benchmarking</i> , 2017 , 24, 1767-1783 | 4 | 11 |
| 30 | Lean manufacturing implementation: an assessment method with regards to socio-technical and ergonomics practices adoption. <i>International Journal of Advanced Manufacturing Technology</i> , 2017 , 89, 3407-3418 | 3.2 | 43 |
| 29 | Improvements in the processing of agricultural commodities: The case of cocoa liquor. <i>DYNA (Colombia)</i> , 2017 , 84, 117 | 0.6 | |
| 28 | Psychophysical Demands and Perceived Workload An Ergonomics Standpoint for Lean Production in Assembly Cells. <i>Human Factors and Ergonomics in Manufacturing</i> , 2016 , 26, 643-654 | 1.4 | 10 |
| 27 | Relationships between lean product development enablers and problems. <i>International Journal of Production Research</i> , 2016 , 54, 2837-2855 | 7.8 | 61 |
| 26 | Contextual factors and lean production implementation in the Brazilian automotive supply chain. <i>Supply Chain Management</i> , 2016 , 21, 417-432 | 10 | 84 |
| 25 | The Last Border for Servitization. <i>Procedia CIRP</i> , 2016 , 47, 394-399 | 1.8 | 14 |
| 24 | How context factors influence lean production practices in manufacturing cells. <i>International Journal of Advanced Manufacturing Technology</i> , 2015 , 79, 1389-1399 | 3.2 | 31 |
| 23 | Organizational climate research: a proposed approach focused on banking institutions. <i>Business Process Management Journal</i> , 2015 , 21, 1377-1390 | 3.6 | 1 |
| 22 | Layout performance indicators and systematic planning. <i>British Food Journal</i> , 2015 , 117, 2098-2111 | 2.8 | 5 |
| 21 | Learning cycles and focus groups. <i>Learning Organization</i> , 2015 , 22, 229-240 | 1.8 | 19 |
| 20 | The impact of contextual variables on learning organization in firms that are implementing lean: a study in Southern Brazil. <i>International Journal of Advanced Manufacturing Technology</i> , 2015 , 78, 1879-1892 | 3.2 | 48 |

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| 19 | Learning organisation and human resources management practices: an exploratory research in medium-sized enterprises undergoing a lean implementation. <i>International Journal of Production Research</i> , 2015 , 53, 3989-4000 | 7.8 | 29 |
| 18 | Lean Product Development (LPD) Enablers for Product Development Process Improvement 2015 , 31-57 | | 6 |
| 17 | Method for assessing human resources management practices and organisational learning factors in a company under lean manufacturing implementation. <i>International Journal of Production Research</i> , 2014 , 52, 4623-4645 | 7.8 | 63 |
| 16 | Planejamento sistemático de layout com apoio de análise de decisão multicritério. <i>Production</i> , 2008 , 18, 609-624 | 1.3 | 13 |
| 15 | Torsional Strength for Induction Hardened Shafts Applied in Homokinetic Half Shafts 2004 , | | 1 |
| 14 | Simulation-based analysis of lean practices implementation on the supply chain of a public hospital. <i>Production</i> ,30, | 1.3 | 3 |
| 13 | Critical success factors-based taxonomy for Lean Public Management: a systematic review. <i>Production</i> ,30, | 1.3 | 2 |
| 12 | Lean Production and Industry 4.0 integration: how Lean Automation is emerging in manufacturing industry. <i>International Journal of Production Research</i> ,1-21 | 7.8 | 8 |
| 11 | Healthcare costs reduction through the integration of Healthcare 4.0 technologies in developing economies. <i>Total Quality Management and Business Excellence</i> ,1-21 | 2.7 | 3 |
| 10 | COVID-19 Implications on the Relationship between Organizational Learning and Performance. <i>Knowledge Management Research and Practice</i> ,1-14 | 2.1 | 4 |
| 9 | Assessment and prioritisation of Healthcare 4.0 implementation in hospitals using Quality Function Deployment. <i>International Journal of Production Research</i> ,1-23 | 7.8 | 4 |
| 8 | What does operational excellence mean in the Fourth Industrial Revolution era?. <i>International Journal of Production Research</i> ,1-17 | 7.8 | 7 |
| 7 | Relationships between competences and lean automation practices: an exploratory study. <i>Production Planning and Control</i> ,1-16 | 4.3 | 2 |
| 6 | Information and communication technologies in emergency care services for patients with COVID-19: a multi-national study. <i>International Journal of Production Research</i> ,1-17 | 7.8 | 2 |
| 5 | The driving and dependence power between Lean leadership competencies: an integrated ISM/fuzzy MICMAC approach. <i>Production Planning and Control</i> ,1-25 | 4.3 | 0 |
| 4 | Lean production, information and communication technologies and operational performance. <i>Total Quality Management and Business Excellence</i> ,1-18 | 2.7 | 0 |
| 3 | Digital transformation of health services: a value stream-oriented approach. <i>International Journal of Production Research</i> ,1-15 | 7.8 | 2 |
| 2 | Lean manufacturing and human resources: a systematic literature review on future research suggestions. <i>Total Quality Management and Business Excellence</i> ,1-28 | 2.7 | 1 |

- 1 The application of operational excellence methodologies in logistics: a systematic review and directions for future research. *Total Quality Management and Business Excellence*,1-20 2.7