

# Guilherme L Tortorella

## List of Publications by Citations

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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	Implementation of Industry 4.0 and lean production in Brazilian manufacturing companies. <i>International Journal of Production Research</i> , <b>2018</b> , 56, 2975-2987	7.8	284
125	Exploring Industry 4.0 technologies to enable circular economy practices in a manufacturing context. <i>Journal of Manufacturing Technology Management</i> , <b>2019</b> , 30, 607-627	7.1	264
124	Organizational learning paths based upon industry 4.0 adoption: An empirical study with Brazilian manufacturers. <i>International Journal of Production Economics</i> , <b>2020</b> , 219, 284-294	9.3	99
123	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> , <b>2019</b> , 39, 860-886	6.8	92
122	How does Industry 4.0 contribute to operations management?. <i>Journal of Industrial and Production Engineering</i> , <b>2018</b> , 35, 255-268	1	87
121	The interrelation between Industry 4.0 and lean production: an empirical study on European manufacturers. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2019</b> , 102, 3963-3976	3.2	86
120	Contextual factors and lean production implementation in the Brazilian automotive supply chain. <i>Supply Chain Management</i> , <b>2016</b> , 21, 417-432	10	84
119	Lean supply chain management: Empirical research on practices, contexts and performance. <i>International Journal of Production Economics</i> , <b>2017</b> , 193, 98-112	9.3	68
118	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> , <b>2014</b> , 52, 4623-4645	7.8	63
117	Industry 4.0 and Lean Manufacturing. <i>Journal of Manufacturing Technology Management</i> , <b>2019</b> , 32, 543-569	6.9	63
116	Relationships between lean product development enablers and problems. <i>International Journal of Production Research</i> , <b>2016</b> , 54, 2837-2855	7.8	61
115	Lean product development and lean manufacturing: Testing moderation effects. <i>International Journal of Production Economics</i> , <b>2018</b> , 203, 301-310	9.3	53
114	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> , <b>2017</b> , 22, 473-485	10	51
113	Lean manufacturing implementation: leadership styles and contextual variables. <i>International Journal of Operations and Production Management</i> , <b>2018</b> , 38, 1205-1227	6.8	50
112	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> , <b>2015</b> , 78, 1879-1892	3.2	48
111	Lean manufacturing implementation: an assessment method with regards to socio-technical and ergonomics practices adoption. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2017</b> , 89, 3407-3418	3.2	43
110	Impact of COVID-19 outbreak on employee performance [Moderating role of industry 4.0 base technologies. <i>International Journal of Production Economics</i> , <b>2021</b> , 234, 108075	9.3	42

109	Lean production and operational performance in the Brazilian automotive supply chain. <i>Total Quality Management and Business Excellence</i> , <b>2019</b> , 30, 370-385	2.7	38
108	Healthcare 4.0: trends, challenges and research directions. <i>Production Planning and Control</i> , <b>2020</b> , 31, 1245-1260	4.3	37
107	Designing lean value streams in the fourth industrial revolution era: proposition of technology-integrated guidelines. <i>International Journal of Production Research</i> , <b>2020</b> , 58, 5020-5033	7.8	36
106	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> , <b>2021</b> , 32, 119-133	2.7	36
105	Making the value flow: application of value stream mapping in a Brazilian public healthcare organisation. <i>Total Quality Management and Business Excellence</i> , <b>2017</b> , 28, 1544-1558	2.7	35
104	Lean implementation in healthcare supply chain: a scoping review. <i>Journal of Health Organization and Management</i> , <b>2019</b> , 33, 304-322	1.9	33
103	How context factors influence lean production practices in manufacturing cells. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2015</b> , 79, 1389-1399	3.2	31
102	Effects of Lean Healthcare on Patient Flow: A Systematic Review. <i>Value in Health</i> , <b>2020</b> , 23, 260-273	3.3	29
101	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> , <b>2015</b> , 53, 3989-4000	7.8	29
100	Towards the proposition of a Lean Automation framework. <i>Journal of Manufacturing Technology Management</i> , <b>2020</b> , 32, 593-620	7.1	27
99	Implementation of lean supply chain: an empirical research on the effect of context. <i>TQM Journal</i> , <b>2017</b> , 29, 610-623	3.4	26
98	How can general leadership theories help to expand the knowledge of lean leadership?. <i>Production Planning and Control</i> , <b>2019</b> , 30, 1322-1336	4.3	26
97	Implementation of lean manufacturing and situational leadership styles. <i>Leadership and Organization Development Journal</i> , <b>2017</b> , 38, 946-968	2.9	24
96	Effects of contingencies on healthcare 4.0 technologies adoption and barriers in emerging economies. <i>Technological Forecasting and Social Change</i> , <b>2020</b> , 156, 120048	9.5	21
95	Lean supply chain practices: an exploratory study on their relationship. <i>International Journal of Logistics Management</i> , <b>2018</b> , 29, 1049-1076	4.5	21
94	Lean manufacturing implementation, context and behaviors of multi-level leadership. <i>Journal of Manufacturing Technology Management</i> , <b>2017</b> , 28, 867-891	7.1	20
93	TOWARDS SUSTAINABILITY THROUGH GREEN, LEAN AND SIX SIGMA INTEGRATION AT SERVICE INDUSTRY: REVIEW AND FRAMEWORK. <i>Technological and Economic Development of Economy</i> , <b>2018</b> , 24, 1659-1678	4.7	20
92	Learning cycles and focus groups. <i>Learning Organization</i> , <b>2015</b> , 22, 229-240	1.8	19

91	Industry 4.0 and Lean Production: an empirical study. <i>IFAC-PapersOnLine</i> , <b>2019</b> , 52, 42-47	0.7	19
90	Digital Obeya Room: exploring the synergies between BIM and lean for visual construction management. <i>Innovative Infrastructure Solutions</i> , <b>2018</b> , 3, 1	2.3	18
89	Impacts of Healthcare 4.0 digital technologies on the resilience of hospitals. <i>Technological Forecasting and Social Change</i> , <b>2021</b> , 166, 120666	9.5	18
88	A comparison on Industry 4.0 and Lean Production between manufacturers from emerging and developed economies. <i>Total Quality Management and Business Excellence</i> , <b>2019</b> , 1-22	2.7	18
87	Identifying pathways to a high-performing lean automation implementation: An empirical study in the manufacturing industry. <i>International Journal of Production Economics</i> , <b>2021</b> , 231, 107918	9.3	18
86	Simulation-based analysis of a supplier-manufacturer relationship in lean supply chains. <i>International Journal of Lean Six Sigma</i> , <b>2017</b> , 8, 262-274	4.6	17
85	Help chain in companies undergoing a lean implementation. <i>International Journal of Lean Six Sigma</i> , <b>2018</b> , 9, 113-132	4.6	16
84	Leadership behaviors during lean healthcare implementation: a review and longitudinal study. <i>Journal of Manufacturing Technology Management</i> , <b>2019</b> , 31, 193-215	7.1	15
83	Assessing the Impact of Lean Healthcare on Inpatient Care: A Systematic Review. <i>International Journal of Environmental Research and Public Health</i> , <b>2020</b> , 17,	4.6	14
82	The Last Border for Servitization. <i>Procedia CIRP</i> , <b>2016</b> , 47, 394-399	1.8	14
81	Learning organisation and lean production: an empirical research on their relationship. <i>International Journal of Production Research</i> , <b>2020</b> , 58, 3650-3666	7.8	14
80	Planejamento sistemático de layout com apoio de análise de decisão multicritério. <i>Production</i> , <b>2008</b> , 18, 609-624	1.3	13
79	Integration of Industry 4.0 technologies into Total Productive Maintenance practices. <i>International Journal of Production Economics</i> , <b>2021</b> , 240, 108224	9.3	13
78	Literature review on lean healthcare implementation: assessment methods and practices. <i>International Journal of Services and Operations Management</i> , <b>2019</b> , 32, 285	0.4	12
77	Teaching lean manufacturing at a postgraduate level. <i>International Journal of Lean Six Sigma</i> , <b>2018</b> , 9, 301-323	4.6	12
76	Supply chain performance: how lean practices efficiently drive improvements. <i>Journal of Manufacturing Technology Management</i> , <b>2018</b> , 29, 829-845	7.1	11
75	The benchmarking of the use of toolkit for mass customization in the automobile industry. <i>Benchmarking</i> , <b>2017</b> , 24, 1767-1783	4	11
74	Hoshin Kanri and A3: a proposal for integrating variability into the policy deployment process. <i>TQM Journal</i> , <b>2019</b> , 31, 118-135	3.4	11

73	Psychophysical Demands and Perceived Workload: An Ergonomics Standpoint for Lean Production in Assembly Cells. <i>Human Factors and Ergonomics in Manufacturing</i> , <b>2016</b> , 26, 643-654	1.4	10
72	A framework proposition to identify customer value through lean practices. <i>Journal of Manufacturing Technology Management</i> , <b>2020</b> , 31, 725-747	7.1	10
71	A lean six sigma framework for continuous and incremental improvement in the oil and gas sector. <i>International Journal of Lean Six Sigma</i> , <b>2019</b> , 11, 577-595	4.6	10
70	Combining traditional teaching methods and PBL for teaching and learning of lean manufacturing. <i>IFAC-PapersOnLine</i> , <b>2018</b> , 51, 915-920	0.7	10
69	Productivity improvement in solid waste recycling centres through lean implementation aided by multi-criteria decision analysis. <i>Benchmarking</i> , <b>2018</b> , 25, 1480-1499	4	10
68	Lean Supply Chain Management: A Systematic Literature Review of Practices, Barriers and Contextual Factors Inherent to Its Implementation. <i>Management and Industrial Engineering</i> , <b>2018</b> , 39-68	0.2	9
67	Measuring the effect of Healthcare 4.0 implementation on hospitals' performance. <i>Production Planning and Control</i> , <b>2020</b> , 1-16	4.3	9
66	Analysing the influence of organisational culture and leadership styles on the implementation of lean manufacturing. <i>Production Planning and Control</i> , <b>2020</b> , 1-13	4.3	9
65	How do different generations contribute to the development of a learning organization in companies undergoing a lean production implementation?. <i>Learning Organization</i> , <b>2019</b> , 27, 101-115	1.8	9
64	Pandemic's effect on the relationship between lean implementation and service performance. <i>Journal of Service Theory and Practice</i> , <b>2021</b> , 31, 203-224	3.1	9
63	Implementation of Lean and Green practices: a supplier-oriented assessment method. <i>Production Engineering</i> , <b>2017</b> , 11, 531-543	1.9	8
62	An initiative for integrating problem-based learning into a lean manufacturing course of an industrial engineering graduate program. <i>Production</i> , <b>2017</b> , 27,	1.3	8
61	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
60	Simulation-based analysis of inventory strategies in lean supply chains. <i>IFAC-PapersOnLine</i> , <b>2018</b> , 51, 1453-1458	0.7	8
59	Lean production myths: an exploratory study. <i>Journal of Manufacturing Technology Management</i> , <b>2020</b> , 32, 1-19	7.1	7
58	What does operational excellence mean in the Fourth Industrial Revolution era?. <i>International Journal of Production Research</i> , 1-17	7.8	7
57	Bundles of Lean Automation practices and principles and their impact on operational performance. <i>International Journal of Production Economics</i> , <b>2021</b> , 235, 108106	9.3	7
56	Lean-Oriented Layout Design of a Health Care Facility. <i>Quality Management in Health Care</i> , <b>2019</b> , 28, 25-32	1	7

55	A systematic literature review on the stochastic analysis of value streams. <i>Production Planning and Control</i> , <b>2021</b> , 32, 121-131	4.3	7
54	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> , <b>2021</b> , 33, 1068-1087	3.2	7
53	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> , <b>2018</b> , 40, e46-e53	1	7
52	Operations Management teaching practices and information technologies adoption in emerging economies during COVID-19 outbreak. <i>Technological Forecasting and Social Change</i> , <b>2021</b> , 171, 120996	9.5	7
51	Lean Product Development (LPD) Enablers for Product Development Process Improvement <b>2015</b> , 31-57		6
50	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> , <b>2019</b> , 31, 524-541	7.1	6
49	Layout performance indicators and systematic planning. <i>British Food Journal</i> , <b>2015</b> , 117, 2098-2111	2.8	5
48	The moderating role of just-in-time on sociotechnical practices' effect over quality and workers' health. <i>Human Factors and Ergonomics in Manufacturing</i> , <b>2019</b> , 29, 210-223	1.4	5
47	Influence of team members' characteristics on the sustainability of continuous improvement initiatives. <i>Total Quality Management and Business Excellence</i> , <b>2021</b> , 32, 852-868	2.7	5
46	Assessment of Lean implementation in Hotels' supply chains. <i>Production</i> , <b>2019</b> , 29,	1.3	4
45	COVID-19 Implications on the Relationship between Organizational Learning and Performance. <i>Knowledge Management Research and Practice</i> , 1-14	2.1	4
44	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
43	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> , <b>2020</b> , 67, 334-346	2.6	4
42	Digital technologies: An exploratory study of their role in the resilience of healthcare services. <i>Applied Ergonomics</i> , <b>2021</b> , 97, 103517	4.2	4
41	A Literature Review on Lean Manufacturing in Small Manufacturing Companies. <i>Management and Industrial Engineering</i> , <b>2018</b> , 69-89	0.2	3
40	A comprehensive framework for classification and selection of H4.0 digital technologies affecting healthcare processes in the grey environment. <i>TQM Journal</i> , <b>2022</b> , ahead-of-print,	3.4	3
39	Simulation-based analysis of lean practices implementation on the supply chain of a public hospital. <i>Production</i> , 30,	1.3	3
38	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

37	An empirical investigation on learning and teaching lean manufacturing. <i>Education and Training</i> , <b>2020</b> , 62, 339-354	2.2	3
36	Proposition of a method for stochastic analysis of value streams. <i>Production Planning and Control</i> , <b>2020</b> , 1-17	4.3	3
35	Managing practitioners' experience and generational differences for adopting lean production principles. <i>TQM Journal</i> , <b>2019</b> , 31, 758-771	3.4	3
34	Contributions of Industry 4.0 to supply chain resilience. <i>International Journal of Logistics Management</i> , <b>2021</b> , ahead-of-print,	4.5	3
33	Contributions of Healthcare 4.0 digital applications to the resilience of healthcare organizations during the COVID-19 outbreak. <i>Technovation</i> , <b>2021</b> , 102379	7.9	3
32	Assessment methodology for Lean Practices in healthcare organizations: case study in a Brazilian public hospital. <i>Production</i> , <b>2019</b> , 29,	1.3	2
31	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> , <b>2018</b> , 15, 232-246	1.9	2
30	Critical success factors-based taxonomy for Lean Public Management: a systematic review. <i>Production</i> , 30,	1.3	2
29	Quantitative demand forecasting adjustment based on qualitative factors: case study at a fast food restaurant. <i>Sistemas &amp; Gest</i> , <b>2018</b> , 13, 68-80	0.1	2
28	Design of a methodology to incorporate Lean Manufacturing tools in risk management, to reduce work accidents at service companies. <i>Procedia Computer Science</i> , <b>2020</b> , 177, 276-283	1.6	2
27	Relationships between competences and lean automation practices: an exploratory study. <i>Production Planning and Control</i> , 1-16	4.3	2
26	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
25	Customized prediction of attendance to soccer matches based on symbolic regression and genetic programming. <i>Expert Systems With Applications</i> , <b>2022</b> , 187, 115912	7.8	2
24	Digital transformation of health services: a value stream-oriented approach. <i>International Journal of Production Research</i> , 1-15	7.8	2
23	Variable selection framework for allocating products to recommended replenishment models in VMI applications. <i>Journal of Advances in Management Research</i> , <b>2017</b> , 14, 128-142	2.2	1
22	Organizational climate research: a proposed approach focused on banking institutions. <i>Business Process Management Journal</i> , <b>2015</b> , 21, 1377-1390	3.6	1
21	Perspectives for IoT-Based Integration of Distributed and Automated Manufacturing Lines for Mass Customization. <i>Lecture Notes on Multidisciplinary Industrial Engineering</i> , <b>2020</b> , 31-41	0.3	1
20	Association Between Lean Manufacturing Teaching Methods and Students' Learning Preferences. <i>Management and Industrial Engineering</i> , <b>2018</b> , 105-128	0.2	1



19	Mass Customization Process in Companies from the Housing Sector in Brazil. <i>Management and Industrial Engineering</i> , <b>2019</b> , 99-118	0.2	1
18	Torsional Strength for Induction Hardened Shafts Applied in Homocinetic Half Shafts <b>2004</b> ,		1
17	A Conceptual People-Centric Framework for Sustainable Operational Excellence. <i>Open Journal of Business and Management</i> , <b>2020</b> , 08, 1034-1058	0.4	1
16	Reliability of internal logistics distribution in a hospital. <i>TQM Journal</i> , <b>2021</b> , 33, 596-617	3.4	1
15	Modelo de relas entre os riscos que afetam a implanta de produ enxuta. <i>Gest &amp; Produ</i> , <b>2018</b> , 25, 696-712	0.9	1
14	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> , <b>2021</b> , 23, e27571	7.6	1
13	Assessing the adoption of critical success factors for lean six sigma implementation. <i>Journal of Manufacturing Technology Management</i> , <b>2021</b> , ahead-of-print,	7.1	1
12	Forecasting the length-of-stay of pediatric patients in hospitals: a scoping review. <i>BMC Health Services Research</i> , <b>2021</b> , 21, 938	2.9	1
11	Analysis of the relationship between barriers and practices in the lean supply chain management. <i>International Journal of Lean Six Sigma</i> , <b>2021</b> , 12, 607-626	4.6	1
10	Lean accounting: a structured literature review. <i>TQM Journal</i> , <b>2021</b> , ahead-of-print,	3.4	1
9	Determining the Critical Failure Factors for Industry 4.0: An Exploratory Sequential Mixed Method Study. <i>IEEE Transactions on Engineering Management</i> , <b>2022</b> , 1-15	2.6	1
8	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
7	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
6	Lean production, information and communication technologies and operational performance. <i>Total Quality Management and Business Excellence</i> , 1-18	2.7	0
5	Anlise do efeito das prticas sociotcnicas no desempenho em qualidade e sade dos colaboradores em empresas com implementa Lean <b>2018</b> , 31, 31-54		
4	Improvements in the processing of agricultural commodities: The case of cocoa liquor. <i>DYNA (Colombia)</i> , <b>2017</b> , 84, 117	0.6	
3	Relationship Between Operational Performance and Help Chain Critical Success Factors. <i>Lecture Notes in Management and Industrial Engineering</i> , <b>2018</b> , 269-276	0.3	
2	Identifica dos relacionamentos entre os fatores crticos de sucesso, barreiras e prticas para a implementa enxuta em uma pequena empresa. <i>Revista Produ Online</i> , <b>2018</b> , 18, 1422-1444	0	



- 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