

Guilherme L Tortorella

List of Publications by Year in descending order

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Version: 2024-02-01

147
papers

5,002
citations

117625

34
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118850

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all docs

149
docs citations

149
times ranked

2459
citing authors

#	ARTICLE	IF	CITATIONS
1	Determining the Critical Failure Factors for Industry 4.0: An Exploratory Sequential Mixed Method Study. <i>IEEE Transactions on Engineering Management</i> , 2024, 71, 1862-1876.	3.5	8
2	Digitalization of maintenance: exploratory study on the adoption of Industry 4.0 technologies and total productive maintenance practices. <i>Production Planning and Control</i> , 2024, 35, 352-372.	8.8	12
3	Relationships between competences and lean automation practices: an exploratory study. <i>Production Planning and Control</i> , 2023, 34, 689-704.	8.8	6
4	Information and communication technologies in emergency care services for patients with COVID-19: a multi-national study. <i>International Journal of Production Research</i> , 2023, 61, 8384-8400.	7.5	8
5	The driving and dependence power between Lean leadership competencies: an integrated ISM/fuzzy MICMAC approach. <i>Production Planning and Control</i> , 2023, 34, 1037-1061.	8.8	9
6	Lean production, information and communication technologies and operational performance. <i>Total Quality Management and Business Excellence</i> , 2023, 34, 183-200.	3.8	7
7	Digital transformation of health services: a value stream-oriented approach. <i>International Journal of Production Research</i> , 2023, 61, 1814-1828.	7.5	6
8	Resilience development and digitalization of the healthcare supply chain: an exploratory study in emerging economies. <i>International Journal of Logistics Management</i> , 2023, 34, 130-163.	6.6	11
9	Lean manufacturing and human resources: a systematic literature review on future research suggestions. <i>Total Quality Management and Business Excellence</i> , 2023, 34, 468-495.	3.8	5
10	The application of operational excellence methodologies in logistics: a systematic review and directions for future research. <i>Total Quality Management and Business Excellence</i> , 2023, 34, 538-557.	3.8	3
11	Decision-making framework for supplier selection using an integrated MCDM approach in a lean-agile-resilient-green environment: evidence from Indian automotive sector. <i>TQM Journal</i> , 2023, 35, 964-1006.	3.3	24
12	Measuring the effect of Healthcare 4.0 implementation on hospitals' performance. <i>Production Planning and Control</i> , 2022, 33, 386-401.	8.8	26
13	Proposition of a method for stochastic analysis of value streams. <i>Production Planning and Control</i> , 2022, 33, 741-757.	8.8	9
14	Assessment and prioritisation of Healthcare 4.0 implementation in hospitals using Quality Function Deployment. <i>International Journal of Production Research</i> , 2022, 60, 3147-3169.	7.5	19
15	What does operational excellence mean in the Fourth Industrial Revolution era?. <i>International Journal of Production Research</i> , 2022, 60, 2901-2917.	7.5	30
16	Association between distribution centre design and contextual characteristics. <i>Journal of Facilities Management</i> , 2022, 20, 172-192.	1.8	2
17	Contributions of Industry 4.0 to supply chain resilience. <i>International Journal of Logistics Management</i> , 2022, 33, 547-566.	6.6	21
18	Assessing the adoption of critical success factors for lean six sigma implementation. <i>Journal of Manufacturing Technology Management</i> , 2022, 33, 124-145.	6.4	10

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19	Contributions of Healthcare 4.0 digital applications to the resilience of healthcare organizations during the COVID-19 outbreak. <i>Technovation</i> , 2022, 111, 102379.	7.8	30
20	Customized prediction of attendance to soccer matches based on symbolic regression and genetic programming. <i>Expert Systems With Applications</i> , 2022, 187, 115912.	7.6	10
21	Lean Production and Industry 4.0 integration: how Lean Automation is emerging in manufacturing industry. <i>International Journal of Production Research</i> , 2022, 60, 6430-6450.	7.5	35
22	Healthcare costsâ€™ reduction through the integration of Healthcare 4.0 technologies in developing economies. <i>Total Quality Management and Business Excellence</i> , 2022, 33, 467-487.	3.8	14
23	Developing a robust measurement instrument for the influence of national culture on lean production systems. <i>Measuring Business Excellence</i> , 2022, ahead-of-print, .	2.4	1
24	The impact of Industry 4.0 on the relationship between TPM and maintenance performance. <i>Journal of Manufacturing Technology Management</i> , 2022, 33, 489-520.	6.4	21
25	Lean and resilience in the healthcare supply chain â€” a scoping review. <i>International Journal of Lean Six Sigma</i> , 2022, 13, 1058-1078.	3.3	14
26	A comprehensive framework for classification and selection of H4.0 digital technologies affecting healthcare processes in the grey environment. <i>TQM Journal</i> , 2022, 34, 1914-1941.	3.3	8
27	Soft and hard skills development in lean management trainings. <i>International Journal of Lean Six Sigma</i> , 2022, 13, 1137-1158.	3.3	12
28	Lean accounting: a structured literature review. <i>TQM Journal</i> , 2022, 34, 1547-1571.	3.3	2
29	Impact of Industry 4.0 adoption on workload demands in contact centers. <i>Human Factors and Ergonomics in Manufacturing</i> , 2022, 32, 406-418.	2.7	2
30	Lean and Green Product Development in SMEs: A Comparative Study between Small- and Medium-Sized Brazilian and Japanese Enterprises. <i>Journal of Open Innovation: Technology, Market, and Complexity</i> , 2022, 8, 123.	5.2	7
31	A comparison on Industry 4.0 and Lean Production between manufacturers from emerging and developed economies. <i>Total Quality Management and Business Excellence</i> , 2021, 32, 1249-1270.	3.8	43
32	Analysing the influence of organisational culture and leadership styles on the implementation of lean manufacturing. <i>Production Planning and Control</i> , 2021, 32, 1282-1294.	8.8	22
33	A systematic literature review on the stochastic analysis of value streams. <i>Production Planning and Control</i> , 2021, 32, 121-131.	8.8	10
34	The mediating effect of employeesâ€™ involvement on the relationship between Industry 4.0 and operational performance improvement. <i>Total Quality Management and Business Excellence</i> , 2021, 32, 119-133.	3.8	71
35	Pandemic's effect on the relationship between lean implementation and service performance. <i>Journal of Service Theory and Practice</i> , 2021, 31, 203-224.	3.2	26
36	Reliability of internal logistics distribution in a hospital. <i>TQM Journal</i> , 2021, 33, 596-617.	3.3	2

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37	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.	8.9	30
38	Influence of team members' characteristics on the sustainability of continuous improvement initiatives. <i>Total Quality Management and Business Excellence</i> , 2021, 32, 852-868.	3.8	11
39	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.	3.5	12
40	Lean production teaching methods and learning assessment: a literature review. <i>International Journal of Information and Operations Management Education</i> , 2021, 7, 1.	0.2	0
41	Design of lean manufacturing-based strategies to improve the production process of a metalworking company. <i>International Journal of Services and Operations Management</i> , 2021, 38, 566.	0.2	1
42	A fuzzy maturity-based method for lean supply chain management assessment. <i>International Journal of Lean Six Sigma</i> , 2021, ahead-of-print, .	3.3	3
43	COVID-19 Implications on the Relationship between Organizational Learning and Performance. <i>Knowledge Management Research and Practice</i> , 2021, 19, 551-564.	4.1	12
44	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.	8.9	122
45	Bundles of Lean Automation practices and principles and their impact on operational performance. <i>International Journal of Production Economics</i> , 2021, 235, 108106.	8.9	17
46	Impacts of Healthcare 4.0 digital technologies on the resilience of hospitals. <i>Technological Forecasting and Social Change</i> , 2021, 166, 120666.	11.6	59
47	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.	4.3	10
48	Implementing a material planning and control method for special nutrition in a Brazilian public hospital. <i>International Journal of Health Planning and Management</i> , 2021, , .	1.7	0
49	Forecasting the length-of-stay of pediatric patients in hospitals: a scoping review. <i>BMC Health Services Research</i> , 2021, 21, 938.	2.2	6
50	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.	11.6	18
51	Integration of Industry 4.0 technologies into Total Productive Maintenance practices. <i>International Journal of Production Economics</i> , 2021, 240, 108224.	8.9	69
52	Digital technologies: An exploratory study of their role in the resilience of healthcare services. <i>Applied Ergonomics</i> , 2021, 97, 103517.	3.1	17
53	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.	3.3	7
54	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.	3.5	6

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55	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.	8.9	228
56	Learning organisation and lean production: an empirical research on their relationship. <i>International Journal of Production Research</i> , 2020, 58, 3650-3666.	7.5	32
57	Healthcare 4.0: trends, challenges and research directions. <i>Production Planning and Control</i> , 2020, 31, 1245-1260.	8.8	113
58	An empirical investigation on learning and teaching lean manufacturing. <i>Education and Training</i> , 2020, 62, 339-354.	3.1	6
59	Lean production myths: an exploratory study. <i>Journal of Manufacturing Technology Management</i> , 2020, 32, 1-19.	6.4	13
60	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.	2.0	5
61	Towards the proposition of a Lean Automation framework. <i>Journal of Manufacturing Technology Management</i> , 2020, 32, 593-620.	6.4	47
62	A framework proposition to identify customer value through lean practices. <i>Journal of Manufacturing Technology Management</i> , 2020, 31, 725-747.	6.4	22
63	Assessing the Impact of Lean Healthcare on Inpatient Care: A Systematic Review. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 5609.	2.6	37
64	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.	7.5	69
65	Effects of Lean Healthcare on Patient Flow: A Systematic Review. <i>Value in Health</i> , 2020, 23, 260-273.	0.3	72
66	Effects of contingencies on healthcare 4.0 technologies adoption and barriers in emerging economies. <i>Technological Forecasting and Social Change</i> , 2020, 156, 120048.	11.6	39
67	A Conceptual People-Centric Framework for Sustainable Operational Excellence. <i>Open Journal of Business and Management</i> , 2020, 08, 1034-1058.	0.7	3
68	Mass Customization Process in Companies from the Housing Sector in Brazil. <i>Management and Industrial Engineering</i> , 2019, , 99-118.	0.4	1
69	Leadership behaviors during lean healthcare implementation: a review and longitudinal study. <i>Journal of Manufacturing Technology Management</i> , 2019, 31, 193-215.	6.4	36
70	How can general leadership theories help to expand the knowledge of lean leadership?. <i>Production Planning and Control</i> , 2019, 30, 1322-1336.	8.8	46
71	Assessment methodology for Lean Practices in healthcare organizations: case study in a Brazilian public hospital. <i>Production</i> , 2019, 29, .	1.3	5
72	Literature review on lean healthcare implementation: assessment methods and practices. <i>International Journal of Services and Operations Management</i> , 2019, 32, 285.	0.2	16

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73	Lean implementation in healthcare supply chain: a scoping review. <i>Journal of Health Organization and Management</i> , 2019, 33, 304-322.	1.3	60
74	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.	3.0	152
75	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.	6.4	18
76	Managing practitioners' experience and generational differences for adopting lean production principles. <i>TQM Journal</i> , 2019, 31, 758-771.	3.3	5
77	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.	1.4	15
78	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.	5.9	222
79	Industry 4.0 and Lean Manufacturing. <i>Journal of Manufacturing Technology Management</i> , 2019, 32, 543-569.	6.4	126
80	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.	3.3	24
81	Industry 4.0 and Lean Production: an empirical study. <i>IFAC-PapersOnLine</i> , 2019, 52, 42-47.	0.9	35
82	Hoshin Kanri and A3: a proposal for integrating variability into the policy deployment process. <i>TQM Journal</i> , 2019, 31, 118-135.	3.3	18
83	Lean-Oriented Layout Design of a Health Care Facility. <i>Quality Management in Health Care</i> , 2019, 28, 25-32.	0.8	17
84	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.	2.7	8
85	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.	6.4	488
86	Lean production and operational performance in the Brazilian automotive supply chain. <i>Total Quality Management and Business Excellence</i> , 2019, 30, 370-385.	3.8	52
87	Literature review on lean healthcare implementation: assessment methods and practices. <i>International Journal of Services and Operations Management</i> , 2019, 32, 285.	0.2	2
88	How does Industry 4.0 contribute to operations management?. <i>Journal of Industrial and Production Engineering</i> , 2018, 35, 255-268.	3.1	151
89	Supply chain performance: how lean practices efficiently drive improvements. <i>Journal of Manufacturing Technology Management</i> , 2018, 29, 829-845.	6.4	19
90	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.	0.4	18

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91	Association Between Lean Manufacturing Teaching Methods and Students' Learning Preferences. Management and Industrial Engineering, 2018, , 105-128.	0.4	2
92	Digital Obeya Room: exploring the synergies between BIM and lean for visual construction management. Innovative Infrastructure Solutions, 2018, 3, 1.	2.2	21
93	Help chain in companies undergoing a lean implementation. International Journal of Lean Six Sigma, 2018, 9, 113-132.	3.3	22
94	A Literature Review on Lean Manufacturing in Small Manufacturing Companies. Management and Industrial Engineering, 2018, , 69-89.	0.4	3
95	Lean manufacturing implementation: leadership styles and contextual variables. International Journal of Operations and Production Management, 2018, 38, 1205-1227.	5.9	71
96	Implementation of Industry 4.0 and lean production in Brazilian manufacturing companies. International Journal of Production Research, 2018, 56, 2975-2987.	7.5	452
97	A Six Sigma Approach to Analyze Time-to-Assembly Variance of Surgical Trays in a Sterile Services Department. Journal for Healthcare Quality: Official Publication of the National Association for Healthcare Quality, 2018, 40, e46-e53.	0.7	12
98	Simulation-based analysis of inventory strategies in lean supply chains. IFAC-PapersOnLine, 2018, 51, 1453-1458.	0.9	12
99	Combining traditional teaching methods and PBL for teaching and learning of lean manufacturing. IFAC-PapersOnLine, 2018, 51, 915-920.	0.9	16
100	Identificação dos relacionamentos entre os fatores críticos de sucesso, barreiras e práticas para a implementação enxuta em uma pequena empresa. Revista Produção Online, 2018, 18, 1422-1444.	0.2	0
101	Modelo de relações entre os riscos que afetam a implantação de produção enxuta. Gestão & Produção, 2018, 25, 696-712.	0.5	1
102	Productivity improvement in solid waste recycling centres through lean implementation aided by multi-criteria decision analysis. Benchmarking, 2018, 25, 1480-1499.	4.6	14
103	Teaching lean manufacturing at a postgraduate level. International Journal of Lean Six Sigma, 2018, 9, 301-323.	3.3	23
104	Lean product development and lean manufacturing: Testing moderation effects. International Journal of Production Economics, 2018, 203, 301-310.	8.9	78
105	Lean supply chain practices: an exploratory study on their relationship. International Journal of Logistics Management, 2018, 29, 1049-1076.	6.6	37
106	Identification of the relationships between critical success factors, barriers and practices for lean implementation in a small company. Brazilian Journal of Operations and Production Management, 2018, 15, 232-246.	1.4	5
107	Quantitative demand forecasting adjustment based on qualitative factors: case study at a fast food restaurant. Sistemas & Gestão, 2018, 13, 68-80.	0.1	6
108	TOWARDS SUSTAINABILITY THROUGH GREEN, LEAN AND SIX SIGMA INTEGRATION AT SERVICE INDUSTRY: REVIEW AND FRAMEWORK. Technological and Economic Development of Economy, 2018, 24, 1659-1678.	4.6	38

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109	Relationship Between Operational Performance and Help Chain Critical Success Factors. Lecture Notes in Management and Industrial Engineering, 2018, , 269-276.	0.4	0
110	Análise do efeito das práticas sociotécnicas no desempenho em qualidade e saúde dos colaboradores em empresas com implementação Lean. Cuadernos De Administracion, 2018, 31, 31-54.	0.4	1
111	Making the value flow: application of value stream mapping in a Brazilian public healthcare organisation. Total Quality Management and Business Excellence, 2017, 28, 1544-1558.	3.8	52
112	Implementation of Lean and Green practices: a supplier-oriented assessment method. Production Engineering, 2017, 11, 531-543.	2.3	9
113	Implementation of lean supply chain: an empirical research on the effect of context. TQM Journal, 2017, 29, 610-623.	3.3	41
114	Simulation-based analysis of a supplier-manufacturer relationship in lean supply chains. International Journal of Lean Six Sigma, 2017, 8, 262-274.	3.3	24
115	Variable selection framework for allocating products to recommended replenishment models in VMI applications. Journal of Advances in Management Research, 2017, 14, 128-142.	3.0	2
116	The moderating effect of Lean supply chain management on the impact of Lean shop floor practices on quality and inventory. Supply Chain Management, 2017, 22, 473-485.	6.4	71
117	Implementation of lean manufacturing and situational leadership styles. Leadership and Organization Development Journal, 2017, 38, 946-968.	3.0	34
118	Lean manufacturing implementation, context and behaviors of multi-level leadership. Journal of Manufacturing Technology Management, 2017, 28, 867-891.	6.4	25
119	Lean supply chain management: Empirical research on practices, contexts and performance. International Journal of Production Economics, 2017, 193, 98-112.	8.9	109
120	The benchmarking of the use of toolkit for mass customization in the automobile industry. Benchmarking, 2017, 24, 1767-1783.	4.6	23
121	Lean manufacturing implementation: an assessment method with regards to socio-technical and ergonomics practices adoption. International Journal of Advanced Manufacturing Technology, 2017, 89, 3407-3418.	3.0	67
122	Fatores críticos de sucesso da cadeia de ajuda em uma implementação enxuta: uma pesquisa exploratória sobre a qualidade e eficiência de desempenho. , 2017, 18, .		0
123	An initiative for integrating problem-based learning into a lean manufacturing course of an industrial engineering graduate program. Production, 2017, 27, .	1.3	14
124	Supplier Involvement in New Product Development: A Study in the Brazilian Footwear Industry. Leather and Footwear Journal, 2017, 17, 17-30.	0.2	1
125	Improvements in the processing of agricultural commodities: The case of cocoa liquor. DYNA (Colombia), 2017, 84, 117.	0.4	0
126	Contextual factors and lean production implementation in the Brazilian automotive supply chain. Supply Chain Management, 2016, 21, 417-432.	6.4	115

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127	The Last Border for Servitization. <i>Procedia CIRP</i> , 2016, 47, 394-399.	1.9	15
128	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.	2.7	11
129	Relationships between lean product development enablers and problems. <i>International Journal of Production Research</i> , 2016, 54, 2837-2855.	7.5	76
130	Layout performance indicators and systematic planning. <i>British Food Journal</i> , 2015, 117, 2098-2111.	2.9	10
131	Learning cycles and focus groups. <i>Learning Organization</i> , 2015, 22, 229-240.	1.4	33
132	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.	3.0	61
133	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.	7.5	41
134	How context factors influence lean production practices in manufacturing cells. <i>International Journal of Advanced Manufacturing Technology</i> , 2015, 79, 1389-1399.	3.0	37
135	Organizational climate research: a proposed approach focused on banking institutions. <i>Business Process Management Journal</i> , 2015, 21, 1377-1390.	4.2	1
136	Lean Product Development (LPD) Enablers for Product Development Process Improvement. , 2015, , 31-57.		8
137	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.	7.5	80
138	Planejamento sistemático de layout com apoio de análise de decisão multicritério. <i>Production</i> , 2008, 18, 609-624.	1.3	22
139	Torsional Strength for Induction Hardened Shafts Applied in Homocinetic Half Shafts. , 2004, , .		1
140	The Application of Design of Experiments as Support Tool for the Development of a Driveshaft Component Manufacturing Process. , 2004, , .		0
141	Assessment of Lean implementation in Hotels™ supply chains. <i>Production</i> , 0, 29, .	1.3	8
142	Australian manufacturing industry: a 20-year scoping study on barriers, opportunities and trends for its strategic development. <i>Production</i> , 0, 31, .	1.3	1
143	Paper-based thesis and dissertations: analysis of fundamental characteristics for achieving a robust structure. <i>Production</i> , 0, 31, .	1.3	2
144	User-centered requirement elicitation for the procurement of medical equipment used by different services and types of end-users. <i>Human Factors and Ergonomics in Manufacturing</i> , 0, , .	2.7	2

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145	Simulation-based analysis of lean practices implementation on the supply chain of a public hospital. Production, 0, 30, .	1.3	11
146	Critical success factors-based taxonomy for Lean Public Management: a systematic review. Production, 0, 30, .	1.3	7
147	Lean layout design: a case study applied to the textile industry. Production, 0, 31, .	1.3	6