

Rodrigo Caiado

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

2,520
citations

331538

21
h-index

233338

45
g-index

52
all docs

52
docs citations

52
times ranked

2148
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | 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. | 3.3 | 488 |
| 2 | A literature-based review on potentials and constraints in the implementation of the sustainable development goals. <i>Journal of Cleaner Production</i> , 2018, 198, 1276-1288. | 4.6 | 413 |
| 3 | Towards sustainable development through the perspective of eco-efficiency - A systematic literature review. <i>Journal of Cleaner Production</i> , 2017, 165, 890-904. | 4.6 | 260 |
| 4 | A fuzzy rule-based industry 4.0 maturity model for operations and supply chain management. <i>International Journal of Production Economics</i> , 2021, 231, 107883. | 5.1 | 139 |
| 5 | Interactions of Building Information Modeling, Lean and Sustainability on the Architectural, Engineering and Construction industry: A systematic review. <i>Journal of Cleaner Production</i> , 2018, 174, 788-806. | 4.6 | 133 |
| 6 | Interplay between reverse logistics and circular economy: Critical success factors-based taxonomy and framework. <i>Resources, Conservation and Recycling</i> , 2020, 158, 104784. | 5.3 | 120 |
| 7 | Urban solid waste management in developing countries from the sustainable supply chain management perspective: A case study of Brazil's largest slum. <i>Journal of Cleaner Production</i> , 2019, 233, 1377-1386. | 4.6 | 82 |
| 8 | Can sustainable investments outperform traditional benchmarks? Evidence from global stock markets. <i>Business Strategy and the Environment</i> , 2020, 29, 682-697. | 8.5 | 81 |
| 9 | 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. | 2.4 | 71 |
| 10 | Improving urban household solid waste management in developing countries based on the German experience. <i>Waste Management</i> , 2021, 120, 772-783. | 3.7 | 66 |
| 11 | A framework for sustainable and integrated municipal solid waste management: Barriers and critical factors to developing countries. <i>Journal of Cleaner Production</i> , 2021, 312, 127516. | 4.6 | 61 |
| 12 | A holistic model integrating value co-creation methodologies towards the sustainable development. <i>Journal of Cleaner Production</i> , 2018, 191, 400-416. | 4.6 | 52 |
| 13 | An Analysis of the Corporate Social Responsibility and the Industry 4.0 with Focus on the Youth Generation: A Sustainable Human Resource Management Framework. <i>Sustainability</i> , 2019, 11, 5130. | 1.6 | 47 |
| 14 | Challenges and Benefits of Sustainable Industry 4.0 for Operations and Supply Chain Management – A Framework Headed toward the 2030 Agenda. <i>Sustainability</i> , 2022, 14, 830. | 1.6 | 46 |
| 15 | CONSTRUCTABILITY IN INDUSTRIAL PLANTS CONSTRUCTION: A BIM-LEAN APPROACH USING THE DIGITAL OBEYA ROOM FRAMEWORK. <i>Journal of Civil Engineering and Management</i> , 2017, 23, 1100-1108. | 1.9 | 41 |
| 16 | Measurement of sustainability performance in Brazilian organizations. <i>International Journal of Sustainable Development and World Ecology</i> , 2018, 25, 312-326. | 3.2 | 38 |
| 17 | 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. | 2.3 | 38 |
| 18 | Towards sustainability by aligning operational programmes and sustainable performance measures. <i>Production Planning and Control</i> , 2019, 30, 413-425. | 5.8 | 36 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Critical factors for lean and innovation in services: from a systematic review to an empirical investigation. <i>Total Quality Management and Business Excellence</i> , 2021, 32, 606-631. | 2.4 | 35 |
| 20 | Barriers and Enablers for the Integration of Industry 4.0 and Sustainability in Supply Chains of MSMEs. <i>Sustainability</i> , 2021, 13, 11664. | 1.6 | 31 |
| 21 | Bow tie to improve risk management of natural gas pipelines. <i>Process Safety Progress</i> , 2018, 37, 169-175. | 0.4 | 24 |
| 22 | 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. | 2.4 | 24 |
| 23 | Sustainability Analysis in Electrical Energy Companies by Similarity Technique to Ideal Solution. <i>IEEE Latin America Transactions</i> , 2017, 15, 675-681. | 1.2 | 21 |
| 24 | Digital Obeya Room: exploring the synergies between BIM and lean for visual construction management. <i>Innovative Infrastructure Solutions</i> , 2018, 3, 1. | 1.1 | 21 |
| 25 | A sustainable circular 3D printing model for recycling metal scrap in the automotive industry. <i>Journal of Manufacturing Technology Management</i> , 2022, 33, 876-892. | 3.3 | 21 |
| 26 | 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. | 0.7 | 15 |
| 27 | Assessment of sustainable development through a multi-criteria approach: Application in Brazilian municipalities. <i>Journal of Environmental Management</i> , 2021, 282, 111954. | 3.8 | 14 |
| 28 | FACILITY MANAGEMENT USING DIGITAL OBEYA ROOM BY INTEGRATING BIM-LEAN APPROACHES – AN EMPIRICAL STUDY. <i>Journal of Civil Engineering and Management</i> , 2018, 24, 581-591. | 1.9 | 14 |
| 29 | Critical factors for total quality management implementation in the Brazilian construction industry. <i>TQM Journal</i> , 2021, 33, 1001-1019. | 2.1 | 12 |
| 30 | GUIDELINES TO RISK MANAGEMENT MATURITY IN CONSTRUCTION PROJECTS. <i>Brazilian Journal of Operations and Production Management</i> , 2016, 13, 372. | 0.8 | 11 |
| 31 | A SMARTS-Choquet’s approach for multicriteria decision aid applied to the innovation indexes in sustainability dimensions. <i>Soft Computing</i> , 2019, 23, 7117-7133. | 2.1 | 9 |
| 32 | Assessment of Lean implementation in Hotels’s supply chains. <i>Production</i> , 0, 29, . | 1.3 | 8 |
| 33 | Critical success factors-based taxonomy for Lean Public Management: a systematic review. <i>Production</i> , 0, 30, . | 1.3 | 7 |
| 34 | Hybrid method to guide sustainable initiatives in higher education: a critical analysis of Brazilian municipalities. <i>International Journal of Sustainability in Higher Education</i> , 2023, 24, 299-316. | 1.6 | 7 |
| 35 | Adherence of social responsibility management in Brazilian organizations. <i>Social Responsibility Journal</i> , 2018, 14, 194-212. | 1.6 | 5 |
| 36 | Automated compliance checking in the context of Industry 4.0: from a systematic review to an empirical fuzzy multi-criteria approach. <i>Soft Computing</i> , 2021, 25, 6055-6074. | 2.1 | 5 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Evaluating the eco-efficiency of loading transport vehicles: A Brazilian case study. <i>Case Studies on Transport Policy</i> , 2021, 9, 1688-1695. | 1.1 | 5 |
| 38 | Measuring the Eco-efficiency of Brazilian Energy Companies using DEA and Directional Distance Function. <i>IEEE Latin America Transactions</i> , 2020, 18, 1844-1852. | 1.2 | 4 |
| 39 | Monte Carlo Simulation for Planning and Decisions Making in Transmission Project of Electricity. <i>IEEE Latin America Transactions</i> , 2017, 15, 431-438. | 1.2 | 3 |
| 40 | Effectively designing and embedding measurable results in a project business case. <i>International Journal of Project Organisation and Management</i> , 2019, 11, 362. | 0.0 | 3 |
| 41 | State of the art on system architectures for data integration. <i>Technical Papers ... Rio Oil & Gas</i> , 2020, 20, 414-415. | 0.0 | 2 |
| 42 | Factories for the Future: Toward Sustainable Smart Manufacturing. <i>Encyclopedia of the UN Sustainable Development Goals</i> , 2020, , 239-250. | 0.0 | 2 |
| 43 | Supply Chain Management Practices in Small Enterprises: A Practical Implementation Guidance. <i>Springer Proceedings in Mathematics and Statistics</i> , 2020, , 141-153. | 0.1 | 1 |
| 44 | Development of Indicators for Monitoring the Regulatory Compliance of Static Equipment in Industrial Plants – an Empirical Study in the Oil and Gas Sector. <i>Springer Proceedings in Mathematics and Statistics</i> , 2020, , 13-25. | 0.1 | 1 |
| 45 | Factories for the Future: Toward Sustainable Smart Manufacturing. <i>Encyclopedia of the UN Sustainable Development Goals</i> , 2019, , 1-12. | 0.0 | 1 |
| 46 | Avaliação de Desempenho em Sustentabilidade Organizacional: Proposta de Adaptação do Método de Análise de Processo. <i>Sistemas & Gestão</i> , 2015, 10, 270-285. | 0.1 | 1 |
| 47 | Systematic Literature Reviews in Sustainable Supply Chain – SSC: A Tertiary Study. <i>Springer Proceedings in Business and Economics</i> , 2020, , 383-392. | 0.3 | 1 |
| 48 | Fuzzy Criticality Assessment of Systems External Corrosion Risks in the Petroleum Industry – A Case Study. <i>Springer Proceedings in Mathematics and Statistics</i> , 2021, , 153-166. | 0.1 | 0 |
| 49 | PROJECT AUTOMATION APPLICATION WITH LEAN PHILOSOPHY AT THE CONSTRUCTION OF OIL REFINING UNIT. <i>Brazilian Journal of Operations and Production Management</i> , 2016, 1, 124. | 0.8 | 0 |
| 50 | A Influência das Mudanças Devidas À Programa em um Portfólio de Projetos e de Operações com Recursos Compartilhados – Um Estudo de Caso. <i>Revista De Gestão E Projetos</i> , 2017, 08, 100-117. | 0.2 | 0 |
| 51 | Influencing factors in a portfolio of projects and operations: a systematic review. <i>International Journal of Project Organisation and Management</i> , 2019, 11, 311. | 0.0 | 0 |
| 52 | Systematic Literature Reviews About Operational Improvement Programmes Headed for Sustainable Development: A Tertiary Study. <i>Springer Proceedings in Business and Economics</i> , 2020, , 1023-1033. | 0.3 | 0 |