Flavio S Fogliatto

List of Publications by Year
in descending order

115 papers	4,182 citations	257357 24 h-index	128225 60 g-index
119 all docs	119 docs citations	119 times ranked	3161 citing authors

#	Article	IF	Citations
1	Mass customization: Literature review and research directions. International Journal of Production Economics, 2001, 72, 1-13.	5.1	993
2	The mass customization decade: An updated review of the literature. International Journal of Production Economics, 2012, 138, 14-25.	5.1	558
3	Learning curve models and applications: Literature review and research directions. International Journal of Industrial Ergonomics, 2011, 41, 573-583.	1.5	353
4	Healthcare 4.0: trends, challenges and research directions. Production Planning and Control, 2020, 31, 1245-1260.	5.8	113
5	Text mining approach to explore dimensions of airline customer satisfaction using online customer reviews. Journal of Air Transport Management, 2020, 83, 101760.	2.4	112
6	Text mining approach to predict hospital admissions using early medical records from the emergency department. International Journal of Medical Informatics, 2017, 100, 1-8.	1.6	92
7	Forecasting Daily Volume and Acuity of Patients in the Emergency Department. Computational and Mathematical Methods in Medicine, 2016, 2016, 1-8.	0.7	90
8	Variable selection methods in multivariate statistical process control: A systematic literature review. Computers and Industrial Engineering, 2018, 115, 603-619.	3.4	90
9	Method for assessing human resources management practices and organisational learning factors in a company under lean manufacturing implementation. International Journal of Production Research, 2014, 52, 4623-4645.	4.9	80
10	Relationships between lean product development enablers and problems. International Journal of Production Research, 2016, 54, 2837-2855.	4.9	76
11	Mass customization: A method for market segmentation and choice menu design. International Journal of Production Economics, 2008, 111, 606-622.	5.1	72
12	Chaotic genetic algorithm and Adaboost ensemble metamodeling approach for optimum resource planning in emergency departments. Artificial Intelligence in Medicine, 2018, 84, 23-33.	3.8	70
13	Integration of Industry 4.0 technologies into Total Productive Maintenance practices. International Journal of Production Economics, 2021, 240, 108224.	5.1	69
14	Learning curve modelling of work assignment in mass customized assembly lines. International Journal of Production Research, 2007, 45, 2919-2938.	4.9	62
15	Impacts of Healthcare 4.0 digital technologies on the resilience of hospitals. Technological Forecasting and Social Change, 2021, 166, 120666.	6.2	59
16	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.	2.4	52
17	Flexibility-driven index for measuring mass customization feasibility on industrialized products. International Journal of Production Research, 2003, 41, 1811-1829.	4.9	48
18	Selecting the best clustering variables for grouping mass-customized products involving workers' learning. International Journal of Production Economics, 2011, 130, 268-276.	5.1	48

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19	Learning organisation and human resources management practices: an exploratory research in medium-sized enterprises undergoing a lean implementation. International Journal of Production Research, 2015, 53, 3989-4000.	4.9	41
20	Effects of contingencies on healthcare 4.0 technologies adoption and barriers in emerging economies. Technological Forecasting and Social Change, 2020, 156, 120048.	6.2	39
21	A method for panelists' consistency assessment in sensory evaluations based on the Cronbach's alpha coefficient. Food Quality and Preference, 2014, 32, 41-47.	2.3	31
22	Contributions of Healthcare 4.0 digital applications to the resilience of healthcare organizations during the COVID-19 outbreak. Technovation, 2022, 111, 102379.	4.2	30
23	A review of recent variable selection methods in industrial and chemometrics applications. European Journal of Industrial Engineering, 2014, 8, 619.	0.5	29
24	Selecting relevant Fourier transform infrared spectroscopy wavenumbers for clustering authentic and counterfeit drug samples. Science and Justice - Journal of the Forensic Science Society, 2014, 54, 363-368.	1.3	27
25	PLS discriminant analysis applied to conventional sensory profiling data. Food Quality and Preference, 2012, 23, 18-24.	2.3	26
26	Measuring the effect of Healthcare 4.0 implementation on hospitals' performance. Production Planning and Control, 2022, 33, 386-401.	5.8	26
27	Scheduling learning dependent jobs in customised assembly lines. International Journal of Production Research, 2010, 48, 6683-6699.	4.9	25
28	Multiresponse optimization of products with functional quality characteristics. Quality and Reliability Engineering International, 2008, 24, 927-939.	1.4	24
29	Data mining-based method for identifying discriminant attributes in sensory profiling. Food Quality and Preference, 2011, 22, 139-148.	2.3	24
30	Element selection and concentration analysis for classifying South America wine samples according to the country of origin. Computers and Electronics in Agriculture, 2018, 150, 33-40.	3.7	24
31	Fault detection in batch processes through variable selection integrated to multiway principal component analysis. Journal of Process Control, 2019, 80, 223-234.	1.7	24
32	Planejamento sistemático de layout com apoio de análise de decisão multicritério. Production, 2008, 18, 609-624.	1.3	22
33	Critical characteristics for the implementation of mass-customized services. European Business Review, 2015, 27, 513-534.	1.9	22
34	Analysing the influence of organisational culture and leadership styles on the implementation of lean manufacturing. Production Planning and Control, 2021, 32, 1282-1294.	5.8	22
35	MINIMIZING MANUFACTURING AND QUALITY COSTS IN MULTIRESPONSE OPTIMIZATION. Quality Engineering, 2000, 13, 191-201.	0.7	21
36	Decision Support for Breast Cancer Detection: Classification Improvement Through Feature Selection. Cancer Control, 2019, 26, 107327481987659.	0.7	21

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37	Grouping workers with similar learning profiles in mass customization production lines. Computers and Industrial Engineering, 2019, 131, 542-551.	3.4	21
38	Simulation-based optimization methods applied in hospital emergency departments: A systematic review. Simulation, 2020, 96, 791-806.	1.1	21
39	Contributions of Industry 4.0 to supply chain resilience. International Journal of Logistics Management, 2022, 33, 547-566.	4.1	21
40	The impact of Industry 4.0 on the relationship between TPM and maintenance performance. Journal of Manufacturing Technology Management, 2022, 33, 489-520.	3.3	21
41	Systematic Layout Planning of a Radiology Reporting Area to Optimize Radiologists' Performance. Journal of Digital Imaging, 2018, 31, 193-200.	1.6	20
42	Layout Planning in Healthcare Facilities: A Systematic Review. Herd, 2019, 12, 31-44.	0.9	19
43	Assessment and prioritisation of Healthcare 4.0 implementation in hospitals using Quality Function Deployment. International Journal of Production Research, 2022, 60, 3147-3169.	4.9	19
44	Mediating role of learning organization on the relationship between total quality management and operational performance in Brazilian manufacturers. Journal of Manufacturing Technology Management, 2019, 31, 524-541.	3.3	18
45	Approaches to the rationalization of surgical instrument trays: scoping review and research agenda. BMC Health Services Research, 2021, 21, 163.	0.9	18
46	A hierarchical method for evaluating products with quantitative and sensory characteristics. IIE Transactions, 2001, 33, 1081-1092.	2.1	17
47	Learning dependent job scheduling in mass customized scenarios considering ergonomic factors. International Journal of Production Economics, 2014, 154, 136-145.	5.1	17
48	Lean-Oriented Layout Design of a Health Care Facility. Quality Management in Health Care, 2019, 28, 25-32.	0.4	17
49	Digital technologies: An exploratory study of their role in the resilience of healthcare services. Applied Ergonomics, 2021, 97, 103517.	1.7	17
50	Passos para implantação de sistemas de previsão de demanda: técnicas e estudo de caso. Production, 2001, 11, 43-64.	1.3	16
51	Predicting the occurrence of surgical site infections using text mining and machine learning. PLoS ONE, 2019, 14, e0226272.	1.1	16
52	Development and Validation of a Predictive Model of Success in Bariatric Surgery. Obesity Surgery, 2021, 31, 1030-1037.	1.1	16
53	Troca rápida de ferramentas: proposta metodológica e estudo de caso. Gestão & Produção, 2003, 10, 163-181.	0.5	15
54	Hierarchical classification of sparkling wine samples according to the country of origin based on the most informative chemical elements. Food Control, 2019, 106, 106737.	2.8	15

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55	Lean-healthcare approach to reduce costs in a sterilization plant based on surgical tray rationalization. Production Planning and Control, 2020, 31, 483-495.	5.8	15
56	MINIMIZING MANUFACTURING AND QUALITY COSTS IN MULTIRESPONSE OPTIMIZATION. Quality Engineering, 2001, 13, 559-569.	0.7	14
57	Healthcare costs' reduction through the integration of Healthcare 4.0 technologies in developing economies. Total Quality Management and Business Excellence, 2022, 33, 467-487.	2.4	14
58	How to identify key players that contribute to resilient performance: A social network analysis perspective. Safety Science, 2022, 148, 105648.	2.6	14
59	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.	0.3	12
60	Digitalization of maintenance: exploratory study on the adoption of Industry 4.0 technologies and total productive maintenance practices. Production Planning and Control, 2024, 35, 352-372.	5.8	12
61	A HIERARCHICAL APPROACH TO OPTIMIZING DESCRIPTIVE ANALYSIS MULTIRESPONSE EXPERIMENTS. Journal of Sensory Studies, 1999, 14, 443-465.	0.8	11
62	An AHP-based procedure for sensory data collection and analysis in quality and reliability applications. Food Quality and Preference, 2003, 14, 375-385.	2.3	11
63	Demographics of mass customization: a global study of manufacturing plants. Production, 2016, 26, 1-11.	1.3	11
64	Monitor, anticipate, respond, and learn: Developing and interpreting a multilayer social network of resilience abilities. Safety Science, 2021, 136, 105148.	2.6	11
65	Resilience development and digitalization of the healthcare supply chain: an exploratory study in emerging economies. International Journal of Logistics Management, 2023, 34, 130-163.	4.1	11
66	Curvas de aprendizado: estado da arte e perspectivas de pesquisa. Gestão & Produção, 2007, 14, 109-123.	0.5	10
67	Development of a local relative value unit to measure radiologists' computed tomography reporting workload. Journal of Medical Imaging and Radiation Oncology, 2016, 60, 714-719.	0.9	10
68	Surgery scheduling heuristic considering OR downstream and upstream facilities and resources. BMC Health Services Research, 2020, 20, 684.	0.9	10
69	Hospital Investment Decisions in Healthcare 4.0 Technologies: Scoping Review and Framework for Exploring Challenges, Trends, and Research Directions. Journal of Medical Internet Research, 2021, 23, e27571.	2.1	10
70	Customized prediction of attendance to soccer matches based on symbolic regression and genetic programming. Expert Systems With Applications, 2022, 187, 115912.	4.4	10
71	Healthcare 4.0 digital applications: An empirical study on measures, bundles and patient-centered performance. Technological Forecasting and Social Change, 2022, 181, 121780.	6.2	9
72	Projeto econômico de cartas adaptativas para monitoramento de processos. Gestão & Produção, 2002, 9, 17-31.	0.5	8

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73	A genetic algorithm‑based framework for wavelength selection on sample categorization. Drug Testing and Analysis, 2017, 9, 1172-1181.	1.6	8
74	Information and communication technologies in emergency care services for patients with COVID-19: a multi-national study. International Journal of Production Research, 2023, 61, 8384-8400.	4.9	8
75	A model to quantify the Bullwhip Effect in systems with stochastic demand and lead time. , 2008, , .		7
76	Combining wavelength importance ranking to the random forest classifier to analyze multiclass spectral data. Forensic Science International, 2021, 328, 110998.	1.3	7
77	User-oriented method for selecting workstation components. International Journal of Industrial Ergonomics, 2004, 33, 133-147.	1.5	6
78	Alocação de modelos de produtos a equipes de trabalhadores baseada em modelos de curvas de aprendizagem. Production, 2005, 15, 221-234.	1.3	6
79	Forecasting the length-of-stay of pediatric patients in hospitals: a scoping review. BMC Health Services Research, 2021, 21, 938.	0.9	6
80	Digital transformation of health services: a value stream-oriented approach. International Journal of Production Research, 2023, 61, 1814-1828.	4.9	6
81	Gráficos de controle multivariados para monitoramento de processos não lineares em bateladas. Production, 2011, 21, 132-148.	1.3	5
82	Análise de conglomerados em curvas de aprendizado para formação de agrupamentos homogêneos de trabalhadores. Production, 2013, 23, 537-547.	1.3	5
83	Enhancing counterfeit and illicit medicines grouping via feature selection and X-ray fluorescence spectrometry. Journal of Pharmaceutical and Biomedical Analysis, 2019, 174, 198-205.	1.4	5
84	Differences in thinking styles across professionals with different academic backgrounds when developing a product. Architectural Engineering and Design Management, 2021, 17, 3-16.	1.2	5
85	Effects of technology adoption on mass customization ability of broad and narrow market firms. Gestão & Produção, 2005, 12, 347-359.	0.5	4
86	Método de análise de maturidade e priorização de melhorias na gestão do Processo de Desenvolvimento de Produtos. Production, 2010, 20, 359-377.	1.3	4
87	Estudos de repetitividade e reprodutividade para dados funcionais. Production, 2013, 23, 548-560.	1.3	4
88	Man vs. machine: Predicting hospital bed demand from an emergency department. PLoS ONE, 2020, 15, e0237937.	1.1	4
89	Seleção de atributos em avaliações sensoriais descritivas. Production, 2012, 22, 380-390.	1.3	4
90	Playful interventions to promote the subjective wellbeing of pediatric cancer inpatients during laboratory and imaging exams: A qualitative study. European Journal of Oncology Nursing, 2022, 56, 102094.	0.9	4

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91	Definição do prazo de garantia de um produto otimizado experimentalmente. Gestão & Produção, 2005, 12, 239-253.	0.5	3
92	Programação de tarefas baseada em curvas de aprendizado para linhas de produção customizadas. Revista Produção Online, 2011, 11, 851.	0.1	3
93	Estado da arte das aplicações de curvas de aprendizado. Gestão & Produção, 2013, 20, 681-694.	0.5	3
94	Método para implementação de planejamento de vendas e operações (S&OP) aplicado em empresa do ramo automotivo. Revista Produção Online, 2016, 16, 781.	0.1	3
95	Strategies for synchronizing chocolate conching batch process data using dynamic time warping. Journal of Food Science and Technology, 2020, 57, 122-133.	1.4	3
96	Robust design and analysis for quality engineering. IIE Transactions, 1997, 29, 1084-1086.	2.1	2
97	A hierarchical method for evaluating products with quantitative and sensory characteristics. IIE Transactions, 2001, 33, 1081-1092.	2.1	2
98	Modelagem do Efeito Chicote em ambientes com demanda e lead time estocásticos mediante uma nova política de tratamento dos excessos de estoque. Production, 2009, 19, 27-40.	1.3	2
99	Dynamic capacity allocation in a radiology service considering different types of patients, individual no-show probabilities, and overbooking. BMC Health Services Research, 2021, 21, 968.	0.9	2
100	User‐centered requirement elicitation for the procurement of medical equipment used by different services and types of end‐users. Human Factors and Ergonomics in Manufacturing, 0, , .	1.4	2
101	Modelagem matemática do efeito chicote em ambientes com demanda e lead time estocásticos. Pesquisa Operacional, 2009, 29, 129-151.	0.1	2
102	Sistemática para racionalização de instrumentais de bandejas cirúrgicas. Revista Sobecc, 2018, 23, 52-58.	0.1	2
103	Impact of Industry 4.0 adoption on workload demands in contact centers. Human Factors and Ergonomics in Manufacturing, 2022, 32, 406-418.	1.4	2
104	Metodologia para o balanceamento de linhas de montagem multi-modelo em ambientes de customização em massa. Gestão & Produção, 2007, 14, 267-279.	0.5	1
105	Controle multivariado de processos em batelada com duração variável. Production, 2008, 18, 240-259.	1.3	1
106	Sistemática para avaliação e melhoria da flexibilidade de layout em ambientes dinâmicos. Gestão & Produção, 2013, 20, 235-254.	0.5	1
107	Productivity evaluation of radiologists interpreting computed tomography scans using statistical process control charts. Clinical Imaging, 2021, 77, 135-141.	0.8	1
108	Estratégias para modelagem de dados multivariados na presença de correlação. Gestão & Produção, 2000, 7, 17-28.	0.5	1

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109	Otimização de experimentos com variáveis de resposta descritas por perfis. Pesquisa Operacional, 2008, 28, 577-595.	0.1	0
110	Definição de características críticas na implementação de serviços customizados em massa. Production, 2014, 24, 911-926.	1.3	0
111	Monitoring Nonlinear Batch Process Using Statis-Based Method. Applied Mechanics and Materials, 0, 518, 350-355.	0.2	0
112	Distance-based ANOVA for functional data. European Journal of Industrial Engineering, 2016, 10, 760.	0.5	0
113	PP126 Analyses Of User Requirements In The Evaluation Of Medical Equipment. International Journal of Technology Assessment in Health Care, 2019, 35, 60-60.	0.2	0
114	Identificação de tipos de controle de qualidade para customização em massa. Revista Produção Online, 2013, 13, 134.	0.1	0
115	Dimensões do aprendizado organizacional: variáveis contextuais em empresas em implementação enxuta. Revista Produção Online, 2014, 14, 1077.	0.1	0