Flavio S Fogliatto

List of Publications by Year in Descending Order

105 papers	2,761 citations	22 h-index	51 g-index
119 ext. papers	3,437 ext. citations	3.9 avg, IF	5.66 L-index

#	Paper	IF	Citations
105	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	2.8	1
104	How to identify key players that contribute to resilient performance: A social network analysis perspective. *Safety Science*, **2022**, 148, 105648	5.8	1
103	Customized prediction of attendance to soccer matches based on symbolic regression and genetic programming. *Expert Systems With Applications*, **2022**, 187, 115912	7.8	2
102	Monitor, anticipate, respond, and learn: Developing and interpreting a multilayer social network of resilience abilities. *Safety Science*, **2021**, 136, 105148	5.8	3
101	Impacts of Healthcare 4.0 digital technologies on the resilience of hospitals. *Technological Forecasting and Social Change*, **2021**, 166, 120666	9.5	18
100	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	3
99	Development and Validation of a Predictive Model of Success in Bariatric Surgery. *Obesity Surgery*, **2021**, 31, 1030-1037	3.7	6
98	Approaches to the rationalization of surgical instrument trays: scoping review and research agenda. *BMC Health Services Research*, **2021**, 21, 163	2.9	2
97	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	7.6	1
96	Contributions of Industry 4.0 to supply chain resilience. *International Journal of Logistics Management*, **2021**, ahead-of-print,	4.5	3
95	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	2.9	0
94	Productivity evaluation of radiologists interpreting computed tomography scans using statistical process control charts. *Clinical Imaging*, **2021**, 77, 135-141	2.7	
93	Contributions of Healthcare 4.0 digital applications to the resilience of healthcare organizations during the COVID-19 outbreak. *Technovation*, **2021**, 102379	7.9	3
92	Forecasting the length-of-stay of pediatric patients in hospitals: a scoping review. *BMC Health Services Research*, **2021**, 21, 938	2.9	1
91	Integration of Industry 4.0 technologies into Total Productive Maintenance practices. *International Journal of Production Economics*, **2021**, 240, 108224	9.3	13
90	Digital technologies: An exploratory study of their role in the resilience of healthcare services. *Applied Ergonomics*, **2021**, 97, 103517	4.2	4
89	Combining wavelength importance ranking to the random forest classifier to analyze multiclass spectral data. *Forensic Science International*, **2021**, 328, 110998	2.6	1

88	Effects of contingencies on healthcare 4.0 technologies adoption and barriers in emerging economies. *Technological Forecasting and Social Change*, **2020**, 156, 120048	9.5	21
87	Text mining approach to explore dimensions of airline customer satisfaction using online customer reviews. *Journal of Air Transport Management*, **2020**, 83, 101760	5.1	42
86	Healthcare 4.0: trends, challenges and research directions. *Production Planning and Control*, **2020**, 31, 1245-1260	4.3	37
85	Measuring the effect of Healthcare 4.0 implementation on hospitalsâ performance. *Production Planning and Control*, **2020**, 1-16	4.3	9
84	Surgery scheduling heuristic considering OR downstream and upstream facilities and resources. *BMC Health Services Research*, **2020**, 20, 684	2.9	4
83	Analysing the influence of organisational culture and leadership styles on the implementation of lean manufacturing. *Production Planning and Control*, **2020**, 1-13	4.3	9
82	Simulation-based optimization methods applied in hospital emergency departments: A systematic review. *Simulation*, **2020**, 96, 791-806	1.2	10
81	Man vs. machine: Predicting hospital bed demand from an emergency department. *PLoS ONE*, **2020**, 15, e0237937	3.7	2
80	Lean-healthcare approach to reduce costs in a sterilization plant based on surgical tray rationalization. *Production Planning and Control*, **2020**, 31, 483-495	4.3	12
79	Strategies for synchronizing chocolate conching batch process data using dynamic time warping. *Journal of Food Science and Technology*, **2020**, 57, 122-133	3.3	1
78	Decision Support for Breast Cancer Detection: Classification Improvement Through Feature Selection. *Cancer Control*, **2019**, 26, 1073274819876598	2.2	8
77	Layout Planning in Healthcare Facilities: A Systematic Review. *Herd*, **2019**, 12, 31-44	2.4	12
76	Enhancing counterfeit and illicit medicines grouping via feature selection and X-ray fluorescence spectrometry. *Journal of Pharmaceutical and Biomedical Analysis*, **2019**, 174, 198-205	3.5	2
75	Grouping workers with similar learning profiles in mass customization production lines. *Computers and Industrial Engineering*, **2019**, 131, 542-551	6.4	13
74	Fault detection in batch processes through variable selection integrated to multiway principal component analysis. *Journal of Process Control*, **2019**, 80, 223-234	3.9	16
73	Hierarchical classification of sparkling wine samples according to the country of origin based on the most informative chemical elements. *Food Control*, **2019**, 106, 106737	6.2	5
72	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	7.1	6
71	Predicting the occurrence of surgical site infections using text mining and machine learning. *PLoS ONE*, **2019**, 14, e0226272	3.7	4

70	Lean-Oriented Layout Design of a Health Care Facility. *Quality Management in Health Care*, **2019**, 28, 25-32	1	7
69	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	6.5	15
68	Chaotic genetic algorithm and Adaboost ensemble metamodeling approach for optimum resource planning in emergency departments. *Artificial Intelligence in Medicine*, **2018**, 84, 23-33	7.4	43
67	Systematic Layout Planning of a Radiology Reporting Area to Optimize Radiologists' Performance. *Journal of Digital Imaging*, **2018**, 31, 193-200	5.3	12
66	Variable selection methods in multivariate statistical process control: A systematic literature review. *Computers and Industrial Engineering*, **2018**, 115, 603-619	6.4	60
65	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	1	7
64	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	2.7	35
63	A genetic algorithm-based framework for wavelength selection on sample categorization. *Drug Testing and Analysis*, **2017**, 9, 1172-1181	3.5	7
62	Text mining approach to predict hospital admissions using early medical records from the emergency department. *International Journal of Medical Informatics*, **2017**, 100, 1-8	5.3	62
61	Distance-based ANOVA for functional data. *European Journal of Industrial Engineering*, **2016**, 10, 760	1.1	
60	Método para implementação de planejamento de vendas e operações (S&OP) aplicado em empresa do ramo automotivo. *Revista Produção Online*, **2016**, 16, 781	0	2
59	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	1.7	8
58	Relationships between lean product development enablers and problems. *International Journal of Production Research*, **2016**, 54, 2837-2855	7.8	61
57	Demographics of mass customization: a global study of manufacturing plants. *Production*, **2016**, 26, 1-11	1.3	9
56	Forecasting Daily Volume and Acuity of Patients in the Emergency Department. *Computational and Mathematical Methods in Medicine*, **2016**, 2016, 3863268	2.8	60
55	Critical characteristics for the implementation of mass-customized services. *European Business Review*, **2015**, 27, 513-534	13.1	21
54	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	7.8	29
53	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	7.8	63

52	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, 363-8	2	19
51	A review of recent variable selection methods in industrial and chemometrics applications. *European Journal of Industrial Engineering*, **2014**, 8, 619	1.1	23
50	Definição de características críticas na implementação de serviços customizados em massa. *Production*, **2014**, 24, 911-926	1.3	
49	Monitoring Nonlinear Batch Process Using Statis-Based Method. *Applied Mechanics and Materials*, **2014**, 518, 350-355	0.3	
48	Learning dependent job scheduling in mass customized scenarios considering ergonomic factors. *International Journal of Production Economics*, **2014**, 154, 136-145	9.3	13
47	A method for panelists' consistency assessment in sensory evaluations based on the Cronbach's alpha coefficient. *Food Quality and Preference*, **2014**, 32, 41-47	5.8	22
46	Análise de conglomerados em curvas de aprendizado para formação de agrupamentos homogêneos de trabalhadores. *Production*, **2013**, 23, 537-547	1.3	2
45	Estudos de repetitividade e reprodutividade para dados funcionais. *Production*, **2013**, 23, 548-560	1.3	3
44	Sistemática para avaliação e melhoria da flexibilidade de layout em ambientes dinâmicos. *Gestão & Produção*, **2013**, 20, 235-254	0.9	1
43	Estado da arte das aplicações de curvas de aprendizado. *Gestão & Produção*, **2013**, 20, 681-694	0.9	3
42	The mass customization decade: An updated review of the literature. *International Journal of Production Economics*, **2012**, 138, 14-25	9.3	438
41	PLS discriminant analysis applied to conventional sensory profiling data. *Food Quality and Preference*, **2012**, 23, 18-24	5.8	24
40	Seleção de atributos em avaliações sensoriais descritivas. *Production*, **2012**, 22, 380-390	1.3	3
39	Data mining-based method for identifying discriminant attributes in sensory profiling. *Food Quality and Preference*, **2011**, 22, 139-148	5.8	17
38	Gráficos de controle multivariados para monitoramento de processos não lineares em bateladas. *Production*, **2011**, 21, 132-148	1.3	3
37	Programação de tarefas baseada em curvas de aprendizado para linhas de produção customizadas. *Revista Produção Online*, **2011**, 11, 851	0	3
36	Learning curve models and applications: Literature review and research directions. *International Journal of Industrial Ergonomics*, **2011**, 41, 573-583	2.9	248
35	Selecting the best clustering variables for grouping mass-customized products involving workers' learning. *International Journal of Production Economics*, **2011**, 130, 268-276	9.3	39

34	Scheduling learning dependent jobs in customised assembly lines. *International Journal of Production Research*, **2010**, 48, 6683-6699	7.8	23
33	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
32	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	1
31	Modelagem matemática do efeito chicote em ambientes com demanda e lead time estocásticos. *Pesquisa Operacional*, **2009**, 29, 129-151	0.3	1
30	A model to quantify the Bullwhip Effect in systems with stochastic demand and lead time **2008**,		4
29	Otimização de experimentos com variáveis de resposta descritas por perfis. *Pesquisa Operacional*, **2008**, 28, 577-595	0.3	
28	Planejamento sistemático de layout com apoio de análise de decisão multicritério. *Production*, **2008**, 18, 609-624	1.3	13
27	Controle multivariado de processos em batelada com duração variável. *Production*, **2008**, 18, 240-259	1.3	1
26	Multiresponse optimization of products with functional quality characteristics. *Quality and Reliability Engineering International*, **2008**, 24, 927-939	2.6	23
25	Mass customization: A method for market segmentation and choice menu design. *International Journal of Production Economics*, **2008**, 111, 606-622	9.3	64
24	Curvas de aprendizado: estado da arte e perspectivas de pesquisa. *Gestão & Produção*, **2007**, 14, 109-123	0.9	8
23	Metodologia para o balanceamento de linhas de montagem multi-modelo em ambientes de customização em massa. *Gestão & Produção*, **2007**, 14, 267-279	0.9	
22	Learning curve modelling of work assignment in mass customized assembly lines. *International Journal of Production Research*, **2007**, 45, 2919-2938	7.8	52
21	Effects of technology adoption on mass customization ability of broad and narrow market firms. *Gestão & Produção*, **2005**, 12, 347-359	0.9	4
20	Alocação de modelos de produtos a equipes de trabalhadores baseada em modelos de curvas de aprendizagem. *Production*, **2005**, 15, 221-234	1.3	3
19	Definição do prazo de garantia de um produto otimizado experimentalmente. *Gestão & Produção*, **2005**, 12, 239-253	0.9	2
18	User-oriented method for selecting workstation components. *International Journal of Industrial Ergonomics*, **2004**, 33, 133-147	2.9	5
17	Troca rápida de ferramentas: proposta metodológica e estudo de caso. *Gestão & Produção*, **2003**, 10, 163-181	0.9	9

16	An AHP-based procedure for sensory data collection and analysis in quality and reliability applications. *Food Quality and Preference*, **2003**, 14, 375-385	5.8	9
15	Flexibility-driven index for measuring mass customization feasibility on industrialized products. *International Journal of Production Research*, **2003**, 41, 1811-1829	7.8	42
14	Projeto econômico de cartas adaptativas para monitoramento de processos. *Gestão & Produção*, **2002**, 9, 17-31	0.9	6
13	Mass customization: Literature review and research directions. *International Journal of Production Economics*, **2001**, 72, 1-13	9.3	769
12	A hierarchical method for evaluating products with quantitative and sensory characteristics. *IIE Transactions*, **2001**, 33, 1081-1092		2
11	A hierarchical method for evaluating products with quantitative and sensory characteristics. *IIE Transactions*, **2001**, 33, 1081-1092		14
10	MINIMIZING MANUFACTURING AND QUALITY COSTS IN MULTIRESPONSE OPTIMIZATION. *Quality Engineering*, **2001**, 13, 559-569	1.4	12
9	Passos para implantação de sistemas de previsão de demanda: técnicas e estudo de caso. *Production*, **2001**, 11, 43-64	1.3	3
8	MINIMIZING MANUFACTURING AND QUALITY COSTS IN MULTIRESPONSE OPTIMIZATION. *Quality Engineering*, **2000**, 13, 191-201	1.4	16
7	Estratégias para modelagem de dados multivariados na presença de correlação. *Gestão & Produção*, **2000**, 7, 17-28	0.9	
6	A HIERARCHICAL APPROACH TO OPTIMIZING DESCRIPTIVE ANALYSIS MULTIRESPONSE EXPERIMENTS. *Journal of Sensory Studies*, **1999**, 14, 443-465	2.2	11
5	Robust design and analysis for quality engineering. *IIE Transactions*, **1997**, 29, 1084-1086		1
4	Healthcare costs' reduction through the integration of Healthcare 4.0 technologies in developing economies. *Total Quality Management and Business Excellence*, 1-21	2.7	3
3	Assessment and prioritisation of Healthcare 4.0 implementation in hospitals using Quality Function Deployment. *International Journal of Production Research*, 1-23	7.8	4
2	Information and communication technologies in emergency care services for patients with COVID-19: a multi-national study. *International Journal of Production Research*, 1-17	7.8	2
1	Digital transformation of health services: a value stream-oriented approach. *International Journal of Production Research*, 1-15	7.8	2