

Dr-Ing Enzo Morosini Frazzon

List of Publications by Year in descending order

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107
papers

1,646
citations

411340

20
h-index

371746

37
g-index

117
all docs

117
docs citations

117
times ranked

1470
citing authors

#	ARTICLE	IF	CITATIONS
1	Hybrid flow shop rescheduling for contract manufacturing services. International Journal of Production Research, 2022, 60, 1069-1085.	4.9	6
2	Maintenance 4.0: A Literature Review and SWOT Analysis. Lecture Notes in Logistics, 2022, , 409-422.	0.6	3
3	An ontological approach for modelling evolutionary knowledge of prognostic method selection. IFAC-PapersOnLine, 2022, 55, 181-186.	0.5	0
4	A data-driven approach to adaptive synchronization of demand and supply in omni-channel retail supply chains. International Journal of Information Management, 2021, 57, 102165.	10.5	60
5	Design Approach for Additive Manufacturing in Spare Part Supply Chains. IEEE Transactions on Industrial Informatics, 2021, 17, 757-765.	7.2	14
6	Integrated Operational Supply Chain Planning in Industry 4.0. International Journal of Integrated Supply Management, 2021, 14, 1.	0.2	0
7	Integrated Production and Maintenance Planning: A Systematic Literature Review. Communications in Computer and Information Science, 2021, , 342-356.	0.4	3
8	Proposta de otimiza��o dos processos log�sticos do porto de Itaja�-utilizando simula��o e indicadores da teoria das filas. Revista Produ��o Online, 2021, 21, 231-258.	0.1	0
9	Analysis of the relationship between barriers and practices in the lean supply chain management. International Journal of Lean Six Sigma, 2021, 12, 607-626.	2.4	7
10	Integrated production and maintenance planning method with simulation-based optimization. IFAC-PapersOnLine, 2021, 54, 349-354.	0.5	5
11	Conceptual Model for Integrated Production and Maintenance Planning with Automated Prognostic Method Selection. IFAC-PapersOnLine, 2021, 54, 635-640.	0.5	2
12	Simulation-based analysis of catalyzers and trade-offs in Lean & Green manufacturing. Journal of Cleaner Production, 2020, 242, 118411.	4.6	41
13	Manufacturing networks in the era of digital production and operations: A socio-cyber-physical perspective. Annual Reviews in Control, 2020, 49, 288-294.	4.4	38
14	Using a Digital Twin for Production Planning and Control in Industry 4.0. Profiles in Operations Research, 2020, , 39-60.	0.3	22
15	Proposition of a simulation-based method for port capacity assessment and expansion planning. Simulation Modelling Practice and Theory, 2020, 103, 102098.	2.2	12
16	Perspectives on the Application of Internet of Things in Logistics. Lecture Notes in Logistics, 2020, , 387-397.	0.6	5
17	Machine Learning in Production Scheduling: An Overview of the Academic Literature. Lecture Notes in Logistics, 2020, , 409-419.	0.6	4
18	Aplica��o do Jidoka em um processo SMT: estudo de caso. Exacta, 2020, 18, 459-474.	0.1	0

#	ARTICLE	IF	CITATIONS
19	Dynamic Production Order Allocation for Distributed Additive Manufacturing. IFAC-PapersOnLine, 2020, 53, 10658-10663.	0.5	4
20	Simulation-based analysis of shared manufacturing systems. GestÃO & ProduÇÃO, 2020, 27, .	0.5	0
21	Simulation-Based Optimization for the Integrated Control of Production and Logistics: A Performance Comparison. IFAC-PapersOnLine, 2020, 53, 10639-10644.	0.5	1
22	Screw torque traceability control: industrial application. Independent Journal of Management & Production, 2020, 11, 538.	0.1	0
23	Mapeamento do fluxo de valor e uso da simulação integrada lean com sistemas ciber-físicos em uma indústria de embalagens flexíveis. Revista Produção Online, 2019, 19, 346-374.	0.1	2
24	A supervised machine learning approach to data-driven simulation of resilient supplier selection in digital manufacturing. International Journal of Information Management, 2019, 49, 86-97.	10.5	288
25	An Optimization Model for the Design of Additive Manufacturing Supply Chains. , 2019, , .		2
26	Proposal of a Reconfigurability Index Using Analytic Network Process. , 2019, , .		3
27	Big Data application for E-commerce's Logistics: A research assessment and conceptual model. IFAC-PapersOnLine, 2019, 52, 838-843.	0.5	17
28	Towards a data-driven predictive-reactive production scheduling approach based on inventory availability. IFAC-PapersOnLine, 2019, 52, 1343-1348.	0.5	12
29	Towards a Predictive Approach for Omni-channel Retailing Supply Chains. IFAC-PapersOnLine, 2019, 52, 844-850.	0.5	12
30	Cloud-Based Additive Manufacturing as a Strategy for Product Variety: A Simulation Study. Studies in Computational Intelligence, 2019, , 53-66.	0.7	1
31	Simulation-Based Analysis of Intelligent Maintenance Systems and Spare Parts Supply Chains Integration. Journal of Intelligent Systems, 2019, 28, 31-42.	1.2	2
32	Towards Supply Chain Management 4.0. Brazilian Journal of Operations and Production Management, 2019, 16, 180-191.	0.8	52
33	Smart port-hinterland integration: conceptual proposal and simulation-based analysis in Brazilian ports. International Journal of Integrated Supply Management, 2019, 12, 334.	0.2	10
34	Smart port-hinterland integration: conceptual proposal and simulation-based analysis in Brazilian ports. International Journal of Integrated Supply Management, 2019, 12, 1.	0.2	0
35	ANÁLISE DA IMPLEMENTAÇÃO DE SISTEMAS INTELIGENTES PARA A GESTÃO DA ALTA HOSPITALAR. Revista Gestão E Desenvolvimento, 2019, 16, 129.	0.1	0
36	Avaliação do nível de maturidade do processo de desenvolvimento de produtos de indústria eletroeletrônica. GEPROS: Gestão Da Produção, Operações E Sistemas, 2019, 14, 133.	0.0	0

#	ARTICLE	IF	CITATIONS
37	Collaborative Distributed Operational Planning for Spare Parts Supply Chains. Lecture Notes in Logistics, 2018, , 95-101.	0.6	0
38	Forecasting scrap tires returns in closed-loop supply chains in Brazil. Journal of Cleaner Production, 2018, 188, 741-750.	4.6	17
39	Hybrid approach for the integrated scheduling of production and transport processes along supply chains. International Journal of Production Research, 2018, 56, 2019-2035.	4.9	62
40	Pull-production system in a lean supply chain: a performance analysis utilizing the simulation-based optimization. , 2018, , .		2
41	Solving the Job-Shop Scheduling Problem in the Industry 4.0 Era. Technologies, 2018, 6, 107.	3.0	72
42	A concept for simulation-based optimization in Vehicle Routing Problems. IFAC-PapersOnLine, 2018, 51, 1720-1725.	0.5	8
43	Evaluating the contribution of in-line metrology to mitigate bullwhip effect in internal supply chains. IFAC-PapersOnLine, 2018, 51, 1714-1719.	0.5	3
44	Simulation-based analysis of inventory strategies in lean supply chains. IFAC-PapersOnLine, 2018, 51, 1453-1458.	0.5	12
45	Additive Manufacturing Plant for Large Scale Production of Medical Devices: A Simulation Study. IFAC-PapersOnLine, 2018, 51, 1442-1447.	0.5	12
46	Production Rescheduling for Contract Manufacturing Industry based on Delivery Risks. IFAC-PapersOnLine, 2018, 51, 1059-1064.	0.5	5
47	Towards a simulation-based optimization approach to integrate supply chain planning and control. Procedia CIRP, 2018, 72, 520-525.	1.0	15
48	Predictive and Adaptive Management Approach for Omnichannel Retailing Supply Chains. IFAC-PapersOnLine, 2018, 51, 1707-1713.	0.5	11
49	Potential of a Multi-Agent System Approach for Production Control in Smart Factories. IFAC-PapersOnLine, 2018, 51, 1459-1464.	0.5	30
50	Production rescheduling review: Opportunities for industrial integration and practical applications. Journal of Manufacturing Systems, 2018, 49, 186-193.	7.6	66
51	Data-driven production control for complex and dynamic manufacturing systems. CIRP Annals - Manufacturing Technology, 2018, 67, 515-518.	1.7	81
52	Towards an Adaptive Simulation-Based Optimization Framework for the Production Scheduling of Digital Industries. Lecture Notes in Logistics, 2018, , 257-263.	0.6	3
53	STATE OF THE ART IN SIMULATION-BASED OPTIMIZATION APPROACHES FOR VEHICLE ROUTING PROBLEMS ALONG MANUFACTURING SUPPLY CHAINS. DEStech Transactions on Engineering and Technology Research, 2018, , .	0.0	2
54	REVIEW OF SIMULATION-BASED OPTIMIZATION APPROACHES FOR THE ADAPTIVE SCHEDULING AND CONTROL OF DYNAMIC PRODUCTION SYSTEMS. DEStech Transactions on Engineering and Technology Research, 2018, , .	0.0	0

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55	Simulation-based analysis of a supplier-manufacturer relationship in lean supply chains. International Journal of Lean Six Sigma, 2017, 8, 262-274.	2.4	24
56	Benchmarking of best practices: an overview of the academic literature. Benchmarking, 2017, 24, 750-774.	2.9	25
57	Operational Supply Chain Planning Method for Integrating Spare Parts Supply Chains and Intelligent Maintenance Systems. IFAC-PapersOnLine, 2017, 50, 12428-12433.	0.5	6
58	Evaluating the Robustness of Production Schedules using Discrete-Event Simulation. IFAC-PapersOnLine, 2017, 50, 7953-7958.	0.5	21
59	Towards adaptive simulation-based optimization to select individual dispatching rules for production control. , 2017, , .		17
60	Production paradigms for additive manufacturing systems: A simulation-based analysis. , 2017, , .		11
61	Análise operacional dos berços de atracação do porto de São Francisco do Sul/SC. Exacta, 2017, 15, .	0.1	0
62	Big data e gestão da informação: modelagem do contexto decisional apoiado pela sistemografia. Informação & Informática, 2016, 21, 185.	0.1	2
63	Potential of data-driven simulation-based optimization for adaptive scheduling and control of dynamic manufacturing systems. , 2016, , .		28
64	A Communication Procedure Between Tactical and Operational Levels in Spare Parts Supply Chains. IFIP Advances in Information and Communication Technology, 2016, , 61-68.	0.5	0
65	Web-Service Interface-based IMS-SPSC Integration. IFAC-PapersOnLine, 2016, 49, 192-197.	0.5	0
66	On the research of linear programming solving methods for non-hierarchical spare parts supply chain planning. IFAC-PapersOnLine, 2016, 49, 198-203.	0.5	1
67	A Heuristic Optimisation Approach for the Scheduling of Integrated Manufacturing and Distribution Systems. Procedia CIRP, 2016, 57, 357-361.	1.0	4
68	On the application of modelling and simulation to compare human- and automation-based order-picking systems. IFAC-PapersOnLine, 2016, 49, 1062-1067.	0.5	3
69	Simulation-based performance evaluation of a concept for integrating intelligent maintenance systems and spare parts supply chains. IFAC-PapersOnLine, 2016, 49, 1074-1079.	0.5	7
70	Simulation-based optimization for the integrated scheduling of production and logistic systems. IFAC-PapersOnLine, 2016, 49, 1050-1055.	0.5	30
71	Industrial Performance Assessment Through the Application of a Benchmarking and Monitoring System. Lecture Notes in Logistics, 2016, , 643-653.	0.6	2
72	A beer game simulation model for studying the impact of information sharing to diminish the bullwhip effect in supply chains: an educational support tool in supply chain management. GEPROS: Gestão Da Produção, Operações E Sistemas, 2016, 11, 53-66.	0.0	2

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73	Processo Decisório na Gestão Operacional da Expedição: Modelo de Simulação Baseado em Tomadas de Decisões. , 2016, 06, 51-59.		0
74	Análise de operações de transporte para um Sistema de Logística Reversa de refrigeradores. Revista Latino-Americana De Inovação E Engenharia De Produção, 2016, 4, 66.	0.0	0
75	Synchronizing and Improving Supply Chains through the application of Cyber- Physical Systems. IFAC-PapersOnLine, 2015, 48, 2059-2064.	0.5	16
76	Simulation-Based Planning and Control of Transport Flows in Port Logistic Systems. Mathematical Problems in Engineering, 2015, 2015, 1-12.	0.6	6
77	On the Integration of Intelligent Maintenance and Spare Parts Supply Chain Management. IFAC-PapersOnLine, 2015, 48, 983-988.	0.5	7
78	Big Data and Business Analytics in the Supply Chain: A Review of the Literature. IEEE Latin America Transactions, 2015, 13, 3382-3391.	1.2	17
79	Graph-based integrated production and intermodal transport scheduling with capacity restrictions. CIRP Journal of Manufacturing Science and Technology, 2015, 9, 23-30.	2.3	12
80	Hybrid modelling approach for the scheduling and control of integrated production and logistic processes along export supply chains. IFAC-PapersOnLine, 2015, 48, 1521-1526.	0.5	24
81	BIG DATA APPLIED TO CYBER-PHYSICAL LOGISTIC SYSTEMS: CONCEPTUAL MODEL AND PERSPECTIVES. Brazilian Journal of Operations and Production Management, 2015, 12, 330.	0.8	8
82	Proposta de método de otimização-simulação para apoiar a tomada de decisão em internalização de processos produtivos. Exacta, 2015, 13, 155-166.	0.1	1
83	Supply Chain Optimization via Distributed Model Predictive Control. Proceedings in Applied Mathematics and Mechanics, 2014, 14, 905-906.	0.2	2
84	Simulation model concept for evaluating spare parts supply chain planning methods. , 2014, , .		1
85	Including operator's skill and environment conditions in IMS. , 2014, , .		2
86	Visualization tool for cyber-physical maintenance systems. , 2014, , .		13
87	Spare parts supply chains™ operational planning using technical condition information from intelligent maintenance systems. Annual Reviews in Control, 2014, 38, 147-154.	4.4	25
88	Towards Intelligent Maintenance Systems: Rescuing Human Operator and Context Factors. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 7110-7115.	0.4	7
89	A Generic Approach for the Graph-based Integrated Production and Intermodal Transport Scheduling with Capacity Restrictions. Procedia CIRP, 2013, 7, 109-114.	1.0	5
90	Towards Socio-Cyber-Physical Systems in Production Networks. Procedia CIRP, 2013, 7, 49-54.	1.0	142

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91	A Conceptual Model for the Simulation-Based Analysis of the Operational Planning of Spare Parts Supply Chains. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 5-10.	0.4	7
92	Integrating Intelligent Maintenance Systems and Spare Parts Supply Chains. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 1017-1022.	0.4	19
93	An approach for the sustainable integration of production and transportation scheduling. International Journal of Logistics Systems and Management, 2011, 10, 158.	0.2	21
94	Converting Knowledge into Performance Within Global Production and Logistic Systems. , 2011, , 433-442.		0
95	Dynamic Vehicle Routing in Over Congested Urban Areas. , 2011, , 49-58.		2
96	Integrating manufacturing and logistic systems along global supply chains. CIRP Journal of Manufacturing Science and Technology, 2010, 2, 216-223.	2.3	41
97	Sustainability and Effectiveness in Global Supply Chains: Toward an Approach Based on a Long-term Learning Process. , 2008, , 251-258.		1
98	A Data-Driven Simulation-Based Optimisation Approach for Adaptive Scheduling and Control of Dynamic Manufacturing Systems. Advanced Materials Research, 0, 1140, 449-456.	0.3	18
99	Proposta de Manutenção Produtiva Total (TPM) em uma máquina impressora de pasta de solda em um processo SMT: estudo de caso. , 0, ,		0
100	Production scheduling and control technologies: a systematic literature review. , 0, ,		0
101	Uma Proposta de Modelo de uma Central de Cargas. Um Estudo Aplicado em um Porto Catarinense.. , 0, ,		0
102	DISCUSSÃO CONCEITUAL SOBRE CAPACIDADE DE ARMAZENAGEM PORTUÁRIA E MÓDULOS PARA SUA AVALIAÇÃO. , 0, ,		0
103	Simulation-Based Analysis of Additive Manufacturing Systems for Fuel Nozzles. Journal of Aerospace Technology and Management, 0, 10, .	0.3	3
104	Interoperabilidade na Logística e Cadeia de Suprimentos: Uma revisão da literatura. , 0, ,		0
105	Aplicação do Mapeamento de Fluxo de Valor e Lean Healthcare na emergência de um hospital de referência regional. Exacta, 0, ,	0.1	0
106	Otimização baseada em Simulação para balanceamento de Flow Shop híbrido: Implementação e aplicação em R. , 0, ,		0
107	Bayesian networks as a guide to value stream mapping for lean office implementation: a proposed framework. Operations Management Research, 0, ,	5.0	0