

Francesco Longo

List of Publications by Year in descending order

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72
papers

1,943
citations

361413

20
h-index

265206

42
g-index

74
all docs

74
docs citations

74
times ranked

1576
citing authors

#	ARTICLE	IF	CITATIONS
1	Special issue "Selected papers from the International Food Operations & Processing Simulation Workshop" sixth edition, International Journal of Food Engineering, 2022, 18, 169-170.	1.5	0
2	Workforce and supply chain disruption as a digital and technological innovation opportunity for resilient manufacturing systems in the COVID-19 pandemic. Computers and Industrial Engineering, 2022, 169, 108158.	6.3	49
3	Wearable and interactive mixed reality solutions for fault diagnosis and assistance in manufacturing systems: Implementation and testing in an aseptic bottling line. Computers in Industry, 2021, 128, 103429.	9.9	22
4	Towards a mass customization in the fashion industry: An evolutionary decision aid model for apparel product platform design and optimization. Computers and Industrial Engineering, 2021, 162, 107742.	6.3	20
5	How 5G-based industrial IoT is transforming human-centered smart factories: a Quality of Experience model for Operator 4.0 applications. IFAC-PapersOnLine, 2021, 54, 255-262.	0.9	8
6	Machine Learning approach towards real time assessment of hand-arm vibration risk. IFAC-PapersOnLine, 2021, 54, 1187-1192.	0.9	4
7	A prescriptive maintenance system for intelligent production planning and control in a smart cyber-physical production line. Procedia CIRP, 2021, 104, 1819-1824.	1.9	14
8	Estimating the Impact of Blockchain Adoption in the Food Processing Industry and Supply Chain. International Journal of Food Engineering, 2020, 16, .	1.5	39
9	Voice-enabled Assistants of the Operator 4.0 in the Social Smart Factory: Prospective role and challenges for an advanced human-machine interaction. Manufacturing Letters, 2020, 26, 12-16.	2.2	20
10	Value-Oriented and Ethical Technology Engineering in Industry 5.0: A Human-Centric Perspective for the Design of the Factory of the Future. Applied Sciences (Switzerland), 2020, 10, 4182.	2.5	230
11	Analysis and testing of an online solution to monitor and solve safety issues for industrial systems. Procedia Manufacturing, 2020, 42, 542-547.	1.9	5
12	Special issue "Selected papers from the International Food Operations & Processing Simulation Workshop", International Journal of Food Engineering, 2020, 16, .	1.5	0
13	Blockchain-enabled supply chain: An experimental study. Computers and Industrial Engineering, 2019, 136, 57-69.	6.3	238
14	Development of a 4.0 industry application for increasing occupational safety: guidelines for a correct approach. , 2019, , .		7
15	A system for supply chains diversification and (re)design: supporting managers' perspective in the face of uncertainty. International Journal of Logistics Systems and Management, 2019, 32, 168.	0.2	2
16	Ubiquitous knowledge empowers the Smart Factory: The impacts of a Service-oriented Digital Twin on enterprises' performance. Annual Reviews in Control, 2019, 47, 221-236.	7.9	90
17	Emergency preparedness in industrial plants: A forward-looking solution based on industry 4.0 enabling technologies. Computers in Industry, 2019, 105, 99-122.	9.9	31
18	Modeling workers' behavior: A human factors taxonomy and a fuzzy analysis in the case of industrial accidents. International Journal of Industrial Ergonomics, 2019, 69, 29-47.	2.6	35

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19	Special Issue "Selected Papers from the First International Food Operations & Processing Simulation Workshop " FoodOPS2016 (September 26"28, 2016, Larnaca, Cyprus)" International Journal of Food Engineering, 2018, 14, .	1.5	0
20	A Digital Twin based Service Oriented Application for a 4.0 Knowledge Navigation in the Smart Factory. IFAC-PapersOnLine, 2018, 51, 631-636.	0.9	45
21	Smart operators in industry 4.0: A human-centered approach to enhance operators' capabilities and competencies within the new smart factory context. Computers and Industrial Engineering, 2017, 113, 144-159.	6.3	365
22	Factors affecting the human error: representations of mental models for emergency management. International Journal of Simulation and Process Modelling, 2017, 12, 287.	0.2	5
23	Special Issue "Selected Papers from the First International Food Operations & Processing Simulation Workshop " FoodOPS 2015 (September 21"23, 2015, Bergeggi, Italy)" International Journal of Food Engineering, 2016, 12, 805-806.	1.5	0
24	Vendor-Managed Inventory Practice in the Supermarket Supply Chain. International Journal of Food Engineering, 2016, 12, 827-834.	1.5	9
25	Simulation Based Design of Innovative Quick Response Processes in Cloud Supply Chain Management for "Slow Food" Distribution. Communications in Computer and Information Science, 2016, , 25-34.	0.5	0
26	Agile Software Development: A Modeling and Simulation Showcase in Military Logistics. Advances in Intelligent Systems and Computing, 2016, , 133-144.	0.6	0
27	Disasters and Emergency Management in Chemical and Industrial Plants: Drones Simulation for Education and Training. Lecture Notes in Computer Science, 2016, , 301-308.	1.3	11
28	New enabling technologies and solutions for car terminals procedures enhancement and operators training. International Journal of Supply Chain and Inventory Management, 2015, 1, 31.	0.1	0
29	Multi-Product Inventory-Routing Problem in the Supermarket Distribution Industry. International Journal of Food Engineering, 2015, 11, 747-766.	1.5	8
30	An advanced training environment for vessels' last mile navigation. International Journal of Simulation and Process Modelling, 2015, 10, 117.	0.2	2
31	Using ICT in Developing a Resilient Supply Chain Strategy. Procedia Computer Science, 2015, 43, 101-108.	2.0	37
32	Operative and procedural cooperative training in marine ports. Journal of Computational Science, 2015, 10, 97-107.	2.9	12
33	Simulation Exploration Experience: A Communication System and a 3D Real Time Visualization for a Moon Base Simulated Scenario. , 2014, , .		12
34	An application methodology for logistics and transportation scenarios analysis and comparison within the retail supply chain. European Journal of Industrial Engineering, 2014, 8, 112.	0.8	13
35	A modelling and simulation approach to assessment of a negative binomial approximation in a multi-echelon inventory system. International Journal of Simulation and Process Modelling, 2014, 9, 146.	0.2	2
36	Safety and Security in Fresh Good Supply Chain. International Journal of Food Engineering, 2014, 10, 545-556.	1.5	8

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37	Using simulation to investigate the performance of a batch order manufacturing system. International Journal of Service and Computing Oriented Manufacturing, 2014, 1, 344.	0.2	0
38	Testing the behaviour of different inventory control policies in case of extended reverse logistics by using simulation. International Journal of Simulation and Process Modelling, 2014, 9, 167.	0.2	5
39	Evaluating primary forest fuel rail terminals with discrete event simulation: A case study from Austria. Annals of Forest Research, 2014, 59, 1.	1.1	6
40	3D simulation as training tool in container terminals: The TRAINPORTS simulator. Journal of Manufacturing Systems, 2013, 32, 85-98.	13.9	30
41	A general framework for the manufacturing workstation design optimization: a combined ergonomic and operational approach. Simulation, 2013, 89, 306-329.	1.8	30
42	Performance Analysis of a Southern Mediterranean Seaport via Discrete-Event Simulation. Strojniski Vestnik/Journal of Mechanical Engineering, 2013, 9, 517-525.	1.1	14
43	An Advanced Modeling & Simulation Tool for Investigating the Behavior of a Manufacturing System in the Hazelnuts Industry Sector. International Journal of Food Engineering, 2013, 9, 241-257.	1.5	8
44	On the short period production planning in industrial plants: a real case study. International Journal of Simulation and Process Modelling, 2013, 8, 17.	0.2	7
45	An interoperable simulation framework for protecting port as critical infrastructures. International Journal of System of Systems Engineering, 2013, 4, 243.	0.5	1
46	An Innovative Serious Game for Education and Training in Health Care. International Journal of Privacy and Health Information Management, 2013, 1, 132-146.	0.2	0
47	AN APPLICATION OF MODELING AND SIMULATION TO SUPPORT INDUSTRIAL PLANTS DESIGN. International Journal of Modeling, Simulation, and Scientific Computing, 2012, 03, 1240001.	1.4	12
48	SIMULATION, ANALYSIS AND OPTIMIZATION OF CONTAINER TERMINALS PROCESSES. International Journal of Modeling, Simulation, and Scientific Computing, 2012, 03, 1240006.	1.4	11
49	Supply chain security: an integrated framework for container terminal facilities. International Journal of Simulation and Process Modelling, 2012, 7, 159.	0.2	10
50	Sustainable supply chain design: an application example in local business retail. Simulation, 2012, 88, 1484-1498.	1.8	32
51	Advances of modeling and simulation in supply chain and industry. Simulation, 2011, 87, 651-656.	1.8	22
52	Design and integration of the containers inspection activities in the container terminal operations. International Journal of Production Economics, 2010, 125, 272-283.	8.9	50
53	An Advanced System for Supporting the Decision Process within Large-scale Retail Stores. Simulation, 2010, 86, 742-762.	1.8	40
54	Inventory control with products returns. , 2010, , .		0

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55	Empty containers repositioning. , 2010, , .		3
56	Scientific Approaches For The Industrial Workstations Ergonomic Design: A Review. , 2010, , .		6
57	Effective design of an assembly line using modelling and simulation. Journal of Simulation, 2009, 3, 50-60.	1.5	38
58	A multimeasure-based methodology for the ergonomic effective design of manufacturing system workstations. International Journal of Industrial Ergonomics, 2009, 39, 447-455.	2.6	51
59	Inventory and internal logistics management as critical factors affecting the supply chain performances. International Journal of Simulation and Process Modelling, 2009, 5, 278.	0.2	11
60	Ants Systems, A State Of The Art Overview: Applications To Industrial Plants Problems. , 2009, , .		0
61	An advanced supply chain management tool based on modeling and simulation. Computers and Industrial Engineering, 2008, 54, 570-588.	6.3	113
62	Advanced Supply Chain Protection & Integrated Decision Support System. , 2008, , .		4
63	Inventory policies analysis under demand patterns and lead times constraints in a real supply chain. International Journal of Production Research, 2008, 46, 6997-7016.	7.5	43
64	Training and recruitment in logistics node design by using web-based simulation. International Journal of Internet Manufacturing and Services, 2007, 1, 32.	0.1	20
65	Manufacturing process management using a flexible modeling and simulation approach. , 2007, , .		2
66	Pharmaceutical Routes Optimization using Artificial Intelligence Techniques. , 2007, , .		2
67	Effective Design of an Assembly Line using Modeling&Simulation. , 2006, , .		5
68	Material Flow Analysis and Plant Lay-Out Optimization of a Manufacturing System. , 2005, , .		15
69	CAPEe applications in special glasses manufacturing. , 0, , .		2
70	Developing Data Fusion Systems Devoted to Security Control in Port Facilities. , 0, , .		1
71	Supply Chain Management Based on Modeling & Simulation: State of the Art and Application Examples in Inventory and Warehouse Management. , 0, , .		6
72	A Systems Framework for Modeling Health Disparities in the Prevalence in Chronic Conditions following a Natural Disaster Event. , 0, , 497-513.		0