Francesco Longo

List of Publications by Year
in descending order

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	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
2	Blockchain-enabled supply chain: An experimental study. Computers and Industrial Engineering, 2019, 136, 57-69.	6.3	238
3	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
4	An advanced supply chain management tool based on modeling and simulation. Computers and Industrial Engineering, 2008, 54, 570-588.	6.3	113
5	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
6	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
7	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
8	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
9	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
10	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
11	An Advanced System for Supporting the Decision Process within Large-scale Retail Stores. Simulation, 2010, 86, 742-762.	1.8	40
12	Estimating the Impact of Blockchain Adoption in the Food Processing Industry and Supply Chain. International Journal of Food Engineering, 2020, 16, .	1.5	39
13	Effective design of an assembly line using modelling and simulation. Journal of Simulation, 2009, 3, 50-60.	1.5	38
14	Using ICT in Developing a Resilient Supply Chain Strategy. Procedia Computer Science, 2015, 43, 101-108.	2.0	37
15	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
16	Sustainable supply chain design: an application example in local business retail. Simulation, 2012, 88, 1484-1498.	1.8	32
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	3D simulation as training tool in container terminals: The TRAINPORTS simulator. Journal of Manufacturing Systems, 2013, 32, 85-98.	13.9	30

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19	A general framework for the manufacturing workstation design optimization: a combined ergonomic and operational approach. Simulation, 2013, 89, 306-329.	1.8	30
20	Advances of modeling and simulation in supply chain and industry. Simulation, 2011, 87, 651-656.	1.8	22
21	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
22	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
23	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
24	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
25	Material Flow Analysis and Plant Lay-Out Optimization of a Manufacturing System. , 2005, , .		15
26	Performance Analysis of a Southern Mediterranean Seaport via Discrete-Event Simulation. Strojniski Vestnik/Journal of Mechanical Engineering, 2013, 9, 517-525.	1.1	14
27	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
28	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
29	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
30	Simulation Exploration Experience: A Communication System and a 3D Real Time Visualization for a Moon Base Simulated Scenario. , 2014, , .		12
31	Operative and procedural cooperative training in marine ports. Journal of Computational Science, 2015, 10, 97-107.	2.9	12
32	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
33	SIMULATION, ANALYSIS AND OPTIMIZATION OF CONTAINER TERMINALS PROCESSES. International Journal of Modeling, Simulation, and Scientific Computing, 2012, 03, 1240006.	1.4	11
34	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
35	Supply chain security: an integrated framework for container terminal facilities. International Journal of Simulation and Process Modelling, 2012, 7, 159.	0.2	10
36	Vendor-Managed Inventory Practice in the Supermarket Supply Chain. International Journal of Food Engineering, 2016, 12, 827-834.	1.5	9

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37	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
38	Safety and Security in Fresh Good Supply Chain. International Journal of Food Engineering, 2014, 10, 545-556.	1.5	8
39	Multi-Product Inventory-Routing Problem in the Supermarket Distribution Industry. International Journal of Food Engineering, 2015, 11, 747-766.	1.5	8
40	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
41	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
42	Development of a 4.0 industry application for increasing occupational safety: guidelines for a correct approach. , 2019, , .		7
43	Supply Chain Management Based on Modeling & Simulation: State of the Art and Application Examples in Inventory and Warehouse Management. , 0, , .		6
44	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
45	Scientific Approaches For The Industrial Workstations Ergonomic Design: A Review. , 2010, , .		6
46	Effective Design of an Assembly Line using Modeling&Simulation. , 2006, , .		5
47	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
48	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
49	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
50	Advanced Supply Chain Protection &#x00026; Integrated Decision Support System. , 2008, , .		4
51	Machine Learning approach towards real time assessment of hand-arm vibration risk. IFAC-PapersOnLine, 2021, 54, 1187-1192.	0.9	4
52	Empty containers repositioning. , 2010, , .		3
53	CAPEe applications in special glasses manufacturing. , 0, , .		2
54	Manufacturing process management using a flexible modeling and simulation approach. , 2007, , .		2

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55	Pharmaceutical Routes Optimization using Artificial Intelligence Techniques. , 2007, , .		2
56	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
57	An advanced training environment for vessels' last mile navigation. International Journal of Simulation and Process Modelling, 2015, 10, 117.	0.2	2
58	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
59	Developing Data Fusion Systems Devoted to Security Control in Port Facilities. , 0, , .		1
60	An interoperable simulation framework for protecting port as critical infrastructures. International Journal of System of Systems Engineering, 2013, 4, 243.	0.5	1
61	Inventory control with products returns. , 2010, , .		0
62	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
63	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
64	Special Issue â€œSelected Papers from the First International Food Operations & Processing Simulation Workshop â€" FoodOPS 2015 (September 21â€"23, 2015, Bergeggi, Italy)â€• International Journal of Food Engineering, 2016, 12, 805-806.	1.5	0
65	Simulation Based Design of Innovative Quick Response Processes in Cloud Supply Chain Management for â€œSlow Foodâ€• Distribution. Communications in Computer and Information Science, 2016, , 25-34.	0.5	0
66	Agile Software Development: A Modeling and Simulation Showcase in Military Logistics. Advances in Intelligent Systems and Computing, 2016, , 133-144.	0.6	0
67	Special Issue â€œSelected Papers from the First International Food Operations & Processing Simulation Workshop â€" FoodOPS2016 (September 26â€"28, 2016, Larnaca, Cyprus)â€• International Journal of Food Engineering, 2018, 14, .	1.5	0
68	Ants Systems, A State Of The Art Overview: Applications To Industrial Plants Problems. , 2009, , .		0
69	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
70	Special issue â€œSelected papers from the International Food Operations & Processing Simulation Workshopâ€• International Journal of Food Engineering, 2020, 16, .	1.5	0
71	A Systems Framework for Modeling Health Disparities in the Prevalence in Chronic Conditions following a Natural Disaster Event. , 0, , 497-513.		0
72	Special issue â€œSelected papers from the International Food Operations & Processing Simulation WorkshopÂâ€" sixth editionâ€• International Journal of Food Engineering, 2022, 18, 169-170.	1.5	0