

Marcello Fera

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

925
citations

516710

16
h-index

477307

29
g-index

49
all docs

49
docs citations

49
times ranked

861
citing authors

#	ARTICLE	IF	CITATIONS
1	Digital twins to enhance the integration of ergonomics in the workplace design. International Journal of Industrial Ergonomics, 2019, 71, 20-31.	2.6	95
2	Cost models of additive manufacturing: A literature review. International Journal of Industrial Engineering Computations, 2017, , 263-283.	0.7	71
3	Appraisal of a new risk assessment model for SME. Safety Science, 2010, 48, 1361-1368.	4.9	63
4	A new perspective for production process analysis using additive manufacturing's complexity vs production volume. International Journal of Advanced Manufacturing Technology, 2018, 95, 673-685.	3.0	58
5	Technology selection in green supply chains - the effects of additive and traditional manufacturing. Journal of Cleaner Production, 2021, 282, 124554.	9.3	52
6	Towards Digital Twin Implementation for Assessing Production Line Performance and Balancing. Sensors, 2020, 20, 97.	3.8	49
7	Digital Twin for Monitoring Ergonomics during Manufacturing Production. Applied Sciences (Switzerland), 2020, 10, 7758.	2.5	47
8	The role of uncertainty in supply chains under dynamic modeling. International Journal of Industrial Engineering Computations, 2017, , 119-140.	0.7	40
9	Economic evaluation model for the energy Demand Response. Energy, 2016, 112, 457-468.	8.8	39
10	A new mixed production cost allocation model for additive manufacturing (MiProCAMAM). International Journal of Advanced Manufacturing Technology, 2017, 92, 4275-4291.	3.0	37
11	Hybrid Genetic Bees Algorithm applied to single machine scheduling with earliness and tardiness penalties. Computers and Industrial Engineering, 2017, 113, 842-858.	6.3	35
12	A modified genetic algorithm for time and cost optimization of an additive manufacturing single-machine scheduling. International Journal of Industrial Engineering Computations, 2018, , 423-438.	0.7	35
13	State of the art of additive manufacturing: Review for tolerances, mechanical resistance and production costs. Cogent Engineering, 2016, 3, 1261503.	2.2	27
14	Use of analytic hierarchy process and fire dynamics simulator to assess the fire protection systems in a tunnel on fire. International Journal of Risk Assessment and Management, 2010, 14, 504.	0.1	21
15	Workplace design ergonomic validation based on multiple human factors assessment methods and simulation. Production and Manufacturing Research, 2019, 7, 195-222.	1.5	20
16	The impact of Additive Manufacturing on Supply Chain design: a simulation study. Procedia Computer Science, 2021, 180, 446-455.	2.0	18
17	Project appraisal for small and medium size wind energy installation: The Italian wind energy policy effects. Energy Policy, 2014, 74, 621-631.	8.8	17
18	The load of sustainability for Additive Manufacturing processes. Procedia Manufacturing, 2019, 41, 375-382.	1.9	16

#	ARTICLE	IF	CITATIONS
19	Human-robot Interaction for Improving Fuselage Assembly Tasks: A Case Study. Applied Sciences (Switzerland), 2020, 10, 5757.	2.5	16
20	A modified tabu search algorithm for the single-machine scheduling problem using additive manufacturing technology. International Journal of Industrial Engineering Computations, 2020, , 401-414.	0.7	14
21	Application of a business process model (BPM) method for a warehouse RFID system implementation. International Journal of RF Technologies: Research and Applications, 2017, 8, 57-77.	0.7	12
22	Appraisal of a New Safety Assessment Method using the Petri Nets for the Machines Safety. IFAC-PapersOnLine, 2018, 51, 933-938.	0.9	12
23	Proposal of a quali-quantitative assessment model for health and safety in small and medium enterprises. , 2009, , .		12
24	Digital ergonomics: an evaluation framework for the ergonomic risk assessment of heterogeneous workers. International Journal of Computer Integrated Manufacturing, 2023, 36, 239-259.	4.6	11
25	Workforce scheduling incorporating worker skills and ergonomic constraints. Computers and Industrial Engineering, 2022, 168, 108107.	6.3	10
26	The role of human fatigue in the uncertainty of measurement. Procedia Manufacturing, 2017, 13, 1320-1327.	1.9	9
27	Fashion retailing: A framework for supply chain optimization. Uncertain Supply Chain Management, 2017, , 243-272.	3.2	9
28	The Additive Manufacturing Operations Management Maturity: a Closed or an Open Issue?. Procedia Manufacturing, 2019, 41, 98-105.	1.9	9
29	Evaluating RFID opportunity through process analysis. International Journal of RF Technologies: Research and Applications, 2013, 5, 81-105.	0.7	8
30	Maintenance Digital Twin using vibration data. Procedia Computer Science, 2022, 200, 546-555.	2.0	7
31	Revealing a frame to incorporate safe human behaviour in assembly processes. IFAC-PapersOnLine, 2018, 51, 661-668.	0.9	6
32	Economic and Environmental Sustainability for Aircrafts Service Life. Sustainability, 2020, 12, 10120.	3.2	6
33	Simulation Techniques for Production Lines Performance Control. Procedia Manufacturing, 2020, 42, 91-96.	1.9	6
34	Composite Parts Assembly Operational Improvements. Macromolecular Symposia, 2020, 389, 1900098.	0.7	5
35	Economic Evaluation of RFID Technology in the Production Environment. International Journal of Engineering Business Management, 2013, 5, 39.	3.7	4
36	Line Balancing Assessment Enhanced by IoT and Simulation Tools. , 2019, , .		4

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37	A multi-item constrained EOQ calculation algorithm with exit condition: a comparative analysis. IFAC-PapersOnLine, 2015, 48, 1314-1319.	0.9	3
38	Work control in balanced DRC systems supported by negotiation procedures between autonomous agents. IFAC-PapersOnLine, 2015, 48, 733-740.	0.9	3
39	Workers' Aging Management: Human Fatigue at Work: An Experimental Offices Study. Applied Sciences (Switzerland), 2020, 10, 7693.	2.5	3
40	Aircraft Maintenance: Structural Health Monitoring Influence on Costs and Practices. Macromolecular Symposia, 2021, 396, 2000302.	0.7	3
41	Linking Human Factors to Assess Human Reliability. Springer Proceedings in Advanced Robotics, 2020, , 154-185.	1.3	3
42	Proposal of a model for chemical risk preliminary assessment. WIT Transactions on the Built Environment, 2007, , .	0.0	3
43	Reducing the physical ergonomic risk by job rotation: a simulation-based approach. IFAC-PapersOnLine, 2021, 54, 1-6.	0.9	3
44	Production Management Fundamentals for Additive Manufacturing. , 2018, , .		2
45	Project management for small wind turbines: An experimental survey on activities, lead times and risks. , 2011, , .		1
46	What Humans Act in Robotic Surgery. , 2018, , .		1
47	A comparison between the sprinklers nozzles dimensioning imposed by the European and the American fire safety norms ; Case study: A warehouse containing plastic. , 2013, , .		0
48	Relationship between the design height of the shelves in industrial warehouses and their heat release rate. IFAC-PapersOnLine, 2015, 48, 1720-1725.	0.9	0