

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 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
2	Maintenance Digital Twin using vibration data. Procedia Computer Science, 2022, 200, 546-555.	2.0	7
3	Workforce scheduling incorporating worker skills and ergonomic constraints. Computers and Industrial Engineering, 2022, 168, 108107.	6.3	10
4	Technology selection in green supply chains - the effects of additive and traditional manufacturing. Journal of Cleaner Production, 2021, 282, 124554.	9.3	52
5	The impact of Additive Manufacturing on Supply Chain design: a simulation study. Procedia Computer Science, 2021, 180, 446-455.	2.0	18
6	Aircraft Maintenance: Structural Health Monitoring Influence on Costs and Practices. Macromolecular Symposia, 2021, 396, 2000302.	0.7	3
7	Reducing the physical ergonomic risk by job rotation: a simulation-based approach. IFAC-PapersOnLine, 2021, 54, 1-6.	0.9	3
8	Towards Digital Twin Implementation for Assessing Production Line Performance and Balancing. Sensors, 2020, 20, 97.	3.8	49
9	Digital Twin for Monitoring Ergonomics during Manufacturing Production. Applied Sciences (Switzerland), 2020, 10, 7758.	2.5	47
10	Human-Robot Interaction for Improving Fuselage Assembly Tasks: A Case Study. Applied Sciences (Switzerland), 2020, 10, 5757.	2.5	16
11	Economic and Environmental Sustainability for Aircrafts Service Life. Sustainability, 2020, 12, 10120.	3.2	6
12	Workers' Aging Management-Human Fatigue at Work: An Experimental Offices Study. Applied Sciences (Switzerland), 2020, 10, 7693.	2.5	3
13	Composite Parts Assembly Operational Improvements. Macromolecular Symposia, 2020, 389, 1900098.	0.7	5
14	Simulation Techniques for Production Lines Performance Control. Procedia Manufacturing, 2020, 42, 91-96.	1.9	6
15	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
16	Linking Human Factors to Assess Human Reliability. Springer Proceedings in Advanced Robotics, 2020, , 154-185.	1.3	3
17	Line Balancing Assessment Enhanced by IoT and Simulation Tools. , 2019, , .		4
18	Workplace design ergonomic validation based on multiple human factors assessment methods and simulation. Production and Manufacturing Research, 2019, 7, 195-222.	1.5	20

#	ARTICLE	IF	CITATIONS
19	Digital twins to enhance the integration of ergonomics in the workplace design. International Journal of Industrial Ergonomics, 2019, 71, 20-31.	2.6	95
20	The load of sustainability for Additive Manufacturing processes. Procedia Manufacturing, 2019, 41, 375-382.	1.9	16
21	The Additive Manufacturing Operations Management Maturity: a Closed or an Open Issue?. Procedia Manufacturing, 2019, 41, 98-105.	1.9	9
22	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
23	What Humans Act in Robotic Surgery. , 2018, , .		1
24	Production Management Fundamentals for Additive Manufacturing. , 2018, , .		2
25	Revealing a frame to incorporate safe human behaviour in assembly processes. IFAC-PapersOnLine, 2018, 51, 661-668.	0.9	6
26	Appraisal of a New Safety Assessment Method using the Petri Nets for the Machines Safety. IFAC-PapersOnLine, 2018, 51, 933-938.	0.9	12
27	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
28	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
29	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
30	A new mixed production cost allocation model for additive manufacturing (MiProCAMAM). International Journal of Advanced Manufacturing Technology, 2017, 92, 4275-4291.	3.0	37
31	The role of human fatigue in the uncertainty of measurement. Procedia Manufacturing, 2017, 13, 1320-1327.	1.9	9
32	The role of uncertainty in supply chains under dynamic modeling. International Journal of Industrial Engineering Computations, 2017, , 119-140.	0.7	40
33	Cost models of additive manufacturing: A literature review. International Journal of Industrial Engineering Computations, 2017, , 263-283.	0.7	71
34	Fashion retailing: A framework for supply chain optimization. Uncertain Supply Chain Management, 2017, , 243-272.	3.2	9
35	Economic evaluation model for the energy Demand Response. Energy, 2016, 112, 457-468.	8.8	39
36	State of the art of additive manufacturing: Review for tolerances, mechanical resistance and production costs. Cogent Engineering, 2016, 3, 1261503.	2.2	27

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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	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
39	Work control in balanced DRC systems supported by negotiation procedures between autonomous agents. IFAC-PapersOnLine, 2015, 48, 733-740.	0.9	3
40	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
41	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
42	Economic Evaluation of RFID Technology in the Production Environment. International Journal of Engineering Business Management, 2013, 5, 39.	3.7	4
43	Evaluating RFID opportunity through process analysis. International Journal of RF Technologies: Research and Applications, 2013, 5, 81-105.	0.7	8
44	Project management for small wind turbines: An experimental survey on activities, lead times and risks. , 2011, , .		1
45	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
46	Appraisal of a new risk assessment model for SME. Safety Science, 2010, 48, 1361-1368.	4.9	63
47	Proposal of a quali-quantitative assessment model for health and safety in small and medium enterprises. , 2009, , .		12
48	Proposal of a model for chemical risk preliminary assessment. WIT Transactions on the Built Environment, 2007, , .	0.0	3