

Emmanuel Francalanza

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

245
citations

1040056

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h-index

940533

16
g-index

22
all docs

22
docs citations

22
times ranked

229
citing authors

#	ARTICLE	IF	CITATIONS
1	A knowledge-based tool for designing cyber physical production systems. Computers in Industry, 2017, 84, 39-58.	9.9	62
2	Deriving a Systematic Approach to Changeable Manufacturing System Design. Procedia CIRP, 2014, 17, 166-171.	1.9	27
3	A Fuzzy Logic Based Approach to Explore Manufacturing System Changeability Level Decisions. Procedia CIRP, 2016, 41, 3-8.	1.9	24
4	Information Support and Interactive Planning in the Digital Factory: Approach and Industry-driven Evaluation. Procedia CIRP, 2014, 25, 269-275.	1.9	18
5	Modular System Design Approach for Cyber Physical Production Systems. Procedia CIRP, 2018, 72, 486-491.	1.9	18
6	Development and evaluation of a knowledge-based decision-making approach for designing changeable manufacturing systems. CIRP Journal of Manufacturing Science and Technology, 2017, 16, 81-101.	4.5	17
7	Generative design in the development of a robotic manipulator. Procedia CIRP, 2018, 67, 244-249.	1.9	11
8	Modeling of System Knowledge for Efficient Agile Manufacturing: Tool Evaluation, Selection and Implementation Scenario in SMEs. Procedia CIRP, 2014, 25, 246-252.	1.9	9
9	Towards Knowledge Capturing and Innovative Human-system Interface in an Open-source Factory Modelling and Simulation Environment. Procedia CIRP, 2015, 33, 23-28.	1.9	9
10	A Case for Assisting "Product Family"™ Manufacturing System Designers. Procedia CIRP, 2012, 3, 376-381.	1.9	8
11	Specifications for a Digital Training Toolbox for Industry 4.0. FME Transactions, 2021, 49, 886-893.	1.4	7
12	Approaches for handling wicked manufacturing system design problems. Procedia CIRP, 2018, 67, 134-139.	1.9	6
13	Emotional Product Design: Merging industrial and engineering design perspectives. Procedia CIRP, 2019, 84, 124-129.	1.9	6
14	Utilisation of a compressed air test bed to assess the effects of pneumatic parameters on energy consumption. Procedia CIRP, 2020, 90, 498-503.	1.9	6
15	Safety 4.0 for collaborative robotics in the factories of the future. FME Transactions, 2021, 49, 842-850.	1.4	5
16	Kansei Engineering over Multiple Product Evolution Cycles: An Integrated Approach. Procedia CIRP, 2019, 84, 76-81.	1.9	4
17	Design and implementation of an energy monitoring cyber physical system in pneumatic automation. Procedia CIRP, 2020, 88, 240-245.	1.9	4
18	Analysis of pneumatic parameters to identify leakages and faults on the demand side of a compressed air system. Cleaner Engineering and Technology, 2022, 6, 100355.	4.0	3

#	ARTICLE	IF	CITATIONS
19	A decision consequence-based model to understand the phenomena in motorcycle engineering design from a human factor's perspective. International Journal of Design Engineering, 2021, 10, 72.	0.3	1
20	A Computational Framework for Supporting Innovation in Product Development Through Collaboration and Simulation. , 2012, , .		0
21	An Integrated Product Development Approach to Improving Sustainability Using Simulated Experiments: Manufacturing Case Study. Smart Innovation, Systems and Technologies, 2016, , 323-334.	0.6	0
22	An Industry 4.0 Training Framework Addressing "COVID-19 Type" Disruptions on Manufacturing. , 0, , 60-80.		0