

Alain Etienne

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

314
citations

759233

12
h-index

839539

18
g-index

19
all docs

19
docs citations

19
times ranked

299
citing authors

#	ARTICLE	IF	CITATIONS
1	Improved algorithm for tolerance allocation based on Monte Carlo simulation and discrete optimization. Computers and Industrial Engineering, 2009, 56, 1402-1413.	6.3	79
2	Geometrical variations management for additive manufactured product. CIRP Annals - Manufacturing Technology, 2017, 66, 161-164.	3.6	44
3	A new methodology to analyze the functional and physical architecture of existing products for an assembly oriented product family identification. Procedia CIRP, 2018, 70, 47-52.	1.9	23
4	Reconfigurable machining process planning for part variety in new manufacturing paradigms: Definitions, models and framework. Computers and Industrial Engineering, 2018, 115, 206-219.	6.3	20
5	Performance evaluation of collaboration in the design process: Using interoperability measurement. Computers in Industry, 2015, 72, 14-26.	9.9	19
6	Activity-Based Tolerance Allocation (ABTA) driving tolerance synthesis by evaluating its global cost. International Journal of Production Research, 2009, 47, 4971-4989.	7.5	16
7	An improved approach for automatic process plan generation of complex borings. Computers in Industry, 2006, 57, 663-675.	9.9	15
8	Process-oriented risk assessment methodology for manufacturing process evaluation. International Journal of Production Research, 2017, 55, 4516-4529.	7.5	15
9	Human factors integration in manufacturing systems design using function "behavior" structure framework and behaviour simulations. CIRP Annals - Manufacturing Technology, 2019, 68, 125-128.	3.6	15
10	Human factors under uncertainty: A manufacturing systems design using simulation-optimisation approach. Computers and Industrial Engineering, 2019, 127, 665-676.	6.3	15
11	FMEA and consideration of real work situations for safer design of production systems. International Journal of Occupational Safety and Ergonomics, 2016, 22, 557-564.	1.9	14
12	EZID: A new approach to hazard identification during the design process by analysing energy transfers. Safety Science, 2017, 95, 1-14.	4.9	13
13	Product design improvement by a new similarity-index-based approach in the context of reconfigurable assembly processes. Journal of Engineering Design, 2020, 31, 349-377.	2.3	13
14	Design for Safety: Proposition of a Model to Detect Hazards through Energy Flows Analysis. Procedia CIRP, 2016, 41, 1107-1112.	1.9	5
15	New product similarity index development with application to an assembly system typology selection. Procedia CIRP, 2019, 81, 1077-1082.	1.9	3
16	Tolerance & Time margin. Procedia CIRP, 2020, 92, 51-56.	1.9	2
17	Proposition of an Approach Applicable During the Design Process of Working Equipment to Identify Potential Hazards for Workers. Procedia CIRP, 2016, 50, 258-263.	1.9	1
18	A methodology for production system design driven by product modelling and analysis " application in the automotive industry. International Journal of Production Research, 2023, 61, 1341-1357.	7.5	1