Julien Le duigou

List of Publications by Year
in descending order

66 papers	710 citations	516710 16 h-index	642732 23 g-index
70 all docs	70 docs citations	70 times ranked	551 citing authors

#	Article	IF	Citations
1	Survey on mechatronic engineering: A focus on design methods and product models. Advanced Engineering Informatics, 2014, 28, 241-257.	8.0	60
2	A method to ecodesign structural parts in the transport sector based on product life cycle management. Journal of Cleaner Production, 2015, 94, 165-176.	9.3	47
3	Multidisciplinary design methodology for mechatronic systems based on interface model. Research in Engineering Design - Theory, Applications, and Concurrent Engineering, 2017, 28, 333-356.	2.1	40
4	Multidisciplinary interface model for design of mechatronic systems. Computers in Industry, 2016, 76, 24-37.	9.9	34
5	Framework for Product Lifecycle Management integration in Small and Medium Enterprises Networks. Computer-Aided Design and Applications, 2011, 8, 531-544.	0.6	33
6	Generic PLM system for SMEs: application to an equipment manufacturer. International Journal of Product Lifecycle Management, 2012, 6, 51.	0.3	27
7	Strategic Lean Management: Integration of operational Performance Indicators for strategic Lean management. IFAC-PapersOnLine, 2016, 49, 65-70.	0.9	26
8	Concurrent optimisation of modular product and Reconfigurable Manufacturing System configuration: a customer-oriented offer for mass customisation. International Journal of Production Research, 2022, 60, 2275-2291.	7.5	26
9	Knowledge-based engineering approach for defining robotic manufacturing system architectures. International Journal of Production Research, 2023, 61, 1436-1454.	7.5	26
10	A knowledge-based system for numerical design of experiments processes in mechanical engineering. Expert Systems With Applications, 2019, 122, 289-302.	7.6	24
11	Manufacturing knowledge management based on STEP-NC standard: a Closed-Loop Manufacturing approach. International Journal of Computer Integrated Manufacturing, 2017, 30, 995-1009.	4.6	21
12	Information exchange standards for design, tolerancing and Additive Manufacturing: a research review. International Journal on Interactive Design and Manufacturing, 2018, 12, 495-504.	2.2	21
13	Closed-loop manufacturing process based on STEP-NC. International Journal on Interactive Design and Manufacturing, 2017, 11, 233-245.	2.2	19
14	Closed-loop Manufacturing, a STEP-NC Process for Data Feedback: A Case Study. Procedia CIRP, 2016, 41, 852-857.	1.9	18
15	An integrated closed-loop product lifecycle management approach for reverse logistics design. Production Planning and Control, 2016, 27, 1062-1077.	8.8	18
16	Reverse logistics network design: a holistic life cycle approach. Journal of Remanufacturing, 2014, 4, 1.	2.7	16
17	An integrated approach to optimize the configuration of mass-customized products and reconfigurable manufacturing systems. International Journal of Advanced Manufacturing Technology, 2021, 115, 141-163.	3.0	16
18	Design Processes of Mechatronic Systems. , 2016, , 75-89.		16

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19	Differentiation and customer decoupling points: An integrated design approach for mass customization. Concurrent Engineering Research and Applications, 2015, 23, 284-295.	3.2	15
20	Knowledge-based engineering for multidisciplinary systems: Integrated design based on interface model. Concurrent Engineering Research and Applications, 2018, 26, 157-170.	3.2	13
21	Product life cycle management approach for integration of engineering design and life cycle engineering. Artificial Intelligence for Engineering Design, Analysis and Manufacturing: AIEDAM, 2016, 30, 379-389.	1.1	12
22	Mechatronic Design Process: A Survey of Product Data Model. Procedia CIRP, 2014, 21, 282-287.	1.9	11
23	Applying Serious Games in Lean Manufacturing Training. IFIP Advances in Information and Communication Technology, 2013, , 558-565.	0.7	11
24	Sustainable machining approach for CAD/CAM/CNC systems based on a dynamic environmental assessment. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2017, 231, 2416-2429.	2.4	10
25	Process Planning, Scheduling, and Layout Optimization for Multi-Unit Mass-Customized Products in Sustainable Reconfigurable Manufacturing System. Sustainability, 2021, 13, 13323.	3.2	10
26	Global approach for technical data management. Application to ship equipment part families. CIRP Journal of Manufacturing Science and Technology, 2009, 1, 185-190.	4.5	9
27	Simulation data management for adaptive design of experiments: A litterature review. Mechanics and Industry, 2015, 16, 611.	1.3	9
28	Interface model enabling decomposition method for architecture definition of mechatronic systems. Mechatronics, 2016, 40, 194-207.	3.3	9
29	An ontology for numerical design of experiments processes. Computers in Industry, 2018, 94, 26-40.	9.9	9
30	Meta-Model of PLM for Design of Systems of Systems. IFIP Advances in Information and Communication Technology, 2016, , 301-310.	0.7	7
31	Lean Product Development and the Role of PLM. IFIP Advances in Information and Communication Technology, 2016, , 183-192.	0.7	7
32	Towards a knowledge based framework for numerical design of experiment optimization and management. Computer-Aided Design and Applications, 2016, 13, 872-884.	0.6	6
33	STEP/STEP-NC-compliant manufacturing information of 3D printing for FDM technology. International Journal of Advanced Manufacturing Technology, 2021, 112, 1713-1728.	3.0	5
34	Integrated Platform from CAD to CNC: A Survey. IFIP Advances in Information and Communication Technology, 2013, , 130-139.	0.7	4
35	Value networks: pulling the triggers. A combined approach of modelling and simulation for performance evaluation. International Journal of Computer Integrated Manufacturing, 2014, 27, 609-623.	4.6	4
36	DESIGN PROCESS FOR COMPLEX SYSTEMS ENGINEERING BASED ON INTERFACE MODEL. Insight, 2015, 18, 22-24.	0.3	4

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37	Using meta-models to manage information change in the design process of systems of systems. International Journal of Product Lifecycle Management, 2016, 9, 285.	0.3	4
38	Optimization and lifecycle engineering for design and manufacture of recycled aluminium parts. CIRP Annals - Manufacturing Technology, 2016, 65, 149-152.	3.6	4
39	Knowledge-based platform for traceability and simulation monitoring applied to design of experiments process: an open source architecture. Journal of Engineering Design, 2019, 30, 311-335.	2.3	4
40	Production management for mass customization and smart cellular manufacturing system: NSGAII and SMPSO for factory-level planning. International Journal of Advanced Manufacturing Technology, 2022, 120, 6833-6854.	3.0	4
41	An Approach toÂJointly Optimize theÂProcess Plan, Scheduling, andÂLayout Design inÂReconfigurable Manufacturing Systems. Studies in Computational Intelligence, 2022, , 403-415.	0.9	4
42	Enterprise Information Systemsâ€™ Interoperability: Focus on PLM Challenges. IFIP Advances in Information and Communication Technology, 2013, , 184-191.	0.7	3
43	Sustainable Machining Approach by Integrating the Environmental Assessment Within the CAD/CAM/CNC Chain. Smart Innovation, Systems and Technologies, 2015, , 227-236.	0.6	3
44	An ontology-based framework for the management of machining information in a data mining perspective. IFAC-PapersOnLine, 2018, 51, 302-307.	0.9	3
45	Optimization of Reconfigurable Manufacturing Systems Configuration: A Literature Review. Lecture Notes in Mechanical Engineering, 2021, , 426-435.	0.4	3
46	Knowledge Sharing in Design Based on Product Lifecycle Management System. Smart Innovation, Systems and Technologies, 2015, , 507-517.	0.6	3
47	Sharing Knowledge When it Cannot be Made Explicit. International Journal of Knowledge-Based Organizations, 2018, 8, 14-28.	0.4	2
48	Layout and scheduling optimization problem for a reconfigurable manufacturing system. International Journal of Industrial Engineering and Management, 2021, 12, 174-186.	2.0	2
49	Proposal for an Architectural Solution for Economic and Environmental Global Eco-Cost Assessment: Model Combination Analysis. Springer Series in Advanced Manufacturing, 2014, , 239-256.	0.5	2
50	MODELOS DE INFORMACIÃ"N DE PROCESO BASADOS EN STEP PARA LA FABRICACIÃ"N ADITIVA: APLICACIÃ"N AL MODELADO DE DEPOSICIÃ"N POR FUSIÃ"N. Dyna (Spain), 2019, 94, 197-202.	0.2	2
51	Attribute-based integrated product process configurator for mass customization. Procedia CIRP, 2021, 103, 140-145.	1.9	2
52	1. Les fondamentaux. Documentaliste - Sciences De L'Information, 2014, Vol. 51, 30-45.	0.0	2
53	ODE: An Ontology for Numerical Design of Experiments. Procedia CIRP, 2016, 50, 496-501.	1.9	1
54	Proposal and experimentation of an analysis grid to map knowledge of the factory of the future. Procedia CIRP, 2020, 90, 623-629.	1.9	1

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55	Functional Architecture and Specifications for Tolerancing Data and Knowledge Management. International Federation for Information Processing, 2012, , 35-45.	0.4	1
56	Reverse Logistics: Network Design Based on Life Cycle Assessment. IFIP Advances in Information and Communication Technology, 2013, , 450-460.	0.7	1
57	Aide à la décision pour la conception d'une chaine logistique inverse pour l'aluminium. Revue Française De Gestion Industrielle, 2014, 33, 9-31.	1.2	1
58	Simulation Data Management and Reuse: Toward a Verification and Validation Approach. IFIP Advances in Information and Communication Technology, 2016, , 476-484.	0.7	1
59	Life Cycle Costing in Manufacturing Process Management. , 2012, , .		0
60	Implementing Sustainable Supply Chain in PLM. IFIP Advances in Information and Communication Technology, 2013, , 168-175.	0.7	0
61	Simulation Data Management for Design of Experiments: Concepts and Specifications. , 0, , .		0
62	Improvement of Multidisciplinary Integration in Design of Complex Systems by Implementing Knowledge-Based Engineering. IFIP Advances in Information and Communication Technology, 2016, , 89-98.	0.7	0
63	Using meta-models to manage information change in the design process of systems of systems. International Journal of Product Lifecycle Management, 2016, 9, 285.	0.3	0
64	PLM-Based Approach for Integration of Product Safety in Lean Development. IFIP Advances in Information and Communication Technology, 2016, , 193-205.	0.7	0
65	Une méthodologie d'apprentissage automatique pour l'aide à la décision en contexte d'industrialisation. Génie Industriel Et Productique, 2019, 2, .	0.4	0
66	AFIS Academy–Industry Forum 2020 in Compiègne. Insight, 2021, 24, 9-11.	0.3	0