Alexandre Durupt

List of Publications by Year
in descending order

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39 papers	313 citations	1163117 8 h-index	940533 16 g-index
47 all docs	47 docs citations	47 times ranked	277 citing authors

#	Article	IF	Citations
1	Semantic enrichment approach for low-level CAD models managed in PLM context: Literature review and research prospect. Computers in Industry, 2022, 135, 103575.	9.9	6
2	Implementation of a Product Lifecycle Management System for Biomedical Research. IFIP Advances in Information and Communication Technology, 2022, , 185-199.	0.7	2
3	The BMS-LM ontology for biomedical data reporting throughout the lifecycle of a research study: From data model to ontology. Journal of Biomedical Informatics, 2022, 127, 104007.	4.3	1
4	Organizing the fragmented landscape of multidisciplinary product development: a mapping of approaches, processes, methods and tools from the scientific literature. Research in Engineering Design - Theory, Applications, and Concurrent Engineering, 2022, 33, 307-349.	2.1	4
5	Semantic Enrichment of 3D Models Based on Ontology Integration. Lecture Notes in Mechanical Engineering, 2021, , 341-346.	0.4	0
6	Towards the implementation of the Digital Twin in CMM inspection process: opportunities, challenges and proposals. Procedia Manufacturing, 2021, 54, 216-221.	1.9	8
7	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
8	An extended framework for knowledge modelling and reuse in reverse engineering projects. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2019, 233, 1377-1389.	2.4	6
9	Review of CAD Visualization Standards in PLM. IFIP Advances in Information and Communication Technology, 2019, , 34-43.	0.7	3
10	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
11	Visual Ontology-Based Query Approach for Data Access in Heterogeneous Expertise Environment: Application in PLM Biomedical Imaging. Computer-Aided Design and Applications, 2019, 17, 226-248.	0.6	1
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	An ontology-based framework for the management of machining information in a data mining perspective. IFAC-PapersOnLine, 2018, 51, 302-307.	0.9	3
14	Knowledge Capture and Reuse Through Expertâ€™s Activity Monitoring in Engineering Design. IFIP Advances in Information and Communication Technology, 2018, , 621-630.	0.7	1
15	Deep learning for big data applications in CAD and PLM â€“ Research review, opportunities and case study. Computers in Industry, 2018, 100, 227-243.	9.9	71
16	Using Ontologies to Access Complex Data: Applications on Bio-Imaging. IFIP Advances in Information and Communication Technology, 2018, , 19-35.	0.7	0
17	Management of Heterogeneous Information for Integrated Design of Multidisciplinary Systems. Procedia CIRP, 2017, 60, 320-325.	1.9	6
18	PLM as a strategy for the management of heterogeneous information in bio-medical imaging field. International Journal of Information Technology and Management, 2017, 16, 5.	0.1	2

#	Article	IF	Citations
19	BIOMIST: A Platform for Biomedical Data Lifecycle Management of Neuroimaging Cohorts. Frontiers in ICT, 2017, 3, .	3.6	4
20	Implementations of Model Based Definition and Product Lifecycle Management Technologies: a Case Study in Chinese Aeronautical Industry. IFAC-PapersOnLine, 2016, 49, 485-490.	0.9	17
21	How to share complex data and knowledge: Application in Bio-Imaging. IFAC-PapersOnLine, 2016, 49, 1098-1103.	0.9	3
22	Toward an Extensive Data Integration to Address Reverse Engineering Issues. IFIP Advances in Information and Communication Technology, 2016, , 478-487.	0.7	0
23	Sharing Knowledge in Daily Activity: Application in Bio-Imaging. , 2015, , .		1
24	Towards a PLM Interoperability for a Collaborative Design Support System. Procedia CIRP, 2014, 25, 369-376.	1.9	34
25	A Reverse Engineering for Manufacturing approach. Computer-Aided Design and Applications, 2014, 11, 694-703.	0.6	2
26	Reverse engineering using a knowledge-based approach. International Journal of Product Development, 2014, 19, 113.	0.2	2
27	An extension of the core product model for the maturity management of the digital mock up: use of graph and knowledge to describe mechanical parts. International Journal of Product Lifecycle Management, 2014, 7, 94.	0.3	3
28	Towards an Enhancement of Relationships Browsing in Mature PLM Systems. IFIP Advances in Information and Communication Technology, 2014, , 345-354.	0.7	3
29	PHENIX: product history-based reverse engineering. International Journal of Product Lifecycle Management, 2013, 6, 270.	0.3	2
30	A Reverse Engineering Method for DMU Maturity Management: Use of a Functional Reeb Graph. IFIP Advances in Information and Communication Technology, 2013, , 422-431.	0.7	1
31	Application of PLM for Bio-Medical Imaging in Neuroscience. IFIP Advances in Information and Communication Technology, 2013, , 520-529.	0.7	6
32	3D Information Management Enabling Manufacture Engineering. , 2012, , .		0
33	Knowledge Based Reverse Engineering Methodology. , 2012, , .		1
34	DMU Maturity Management as an Extension of the Core Product Model. International Federation for Information Processing, 2012, , 192-201.	0.4	2
35	KBRE: a proposition of a reverse engineering process by a KBE system. International Journal on Interactive Design and Manufacturing, 2010, 4, 227-237.	2.2	7
36	KBRE: A Knowledge Based Reverse Engineering for Mechanical Components. Computer-Aided Design and Applications, 2010, 7, 279-289.	0.6	9

#	Article	IF	Citations
37	A new reverse engineering process, the combination between the knowledge extraction and the geometrical recognition techniques. , 2009, , .		3
38	From a 3D point cloud to an engineering CAD model: a knowledge-product-based approach for reverse engineering. Virtual and Physical Prototyping, 2008, 3, 51-59.	10.4	40
39	TOWARDS A DESIGN-METHOD SELECTION FRAMEWORK FOR MULTIDISCIPLINARY PRODUCT DEVELOPMENT. , 0, , .		6