Alexis Aubry

List of Publications by Year
in descending order

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35 papers	456 citations	759233 12 h-index	713466 21 g-index
37 all docs	37 docs citations	37 times ranked	442 citing authors

#	Article	IF	Citations
1	An approach for formalising the supply chain operations. Enterprise Information Systems, 2011, 5, 401-421.	4.7	81
2	Formal measures for semantic interoperability assessment in cooperative enterprise information systems. Computers in Industry, 2012, 63, 443-457.	9.9	49
3	Ontology-based system for supporting manufacturing sustainability. Annual Reviews in Control, 2012, 36, 309-317.	7.9	46
4	Minimizing setup costs for parallel multi-purpose machines under load-balancing constraint. European Journal of Operational Research, 2008, 187, 1115-1125.	5.7	33
5	Semantic interoperability for an integrated product development process: a systematic literature review. International Journal of Production Research, 2017, 55, 6691-6709.	7.5	24
6	Domain framework for implementation of open IoT ecosystems. International Journal of Production Research, 2018, 56, 2552-2569.	7.5	24
7	Conceptualising and structuring semantics in cooperative enterprise information systems models. Computers in Industry, 2012, 63, 775-787.	9.9	23
8	Knowledge representation, retrieval and reuse for product family design: An anti-logicist approach. Computers and Industrial Engineering, 2016, 101, 391-402.	6.3	18
9	Human Posture Prediction During Physical Human-Robot Interaction. IEEE Robotics and Automation Letters, 2021, 6, 6046-6053.	5.1	15
10	Towards a Conceptual Framework for Requirements Interoperability in Complex Systems Engineering. Lecture Notes in Computer Science, 2014, , 229-240.	1.3	14
11	Semantics enactment for interoperability assessment in enterprise information systems. Annual Reviews in Control, 2012, 36, 101-117.	7.9	13
12	Anti-logicist framework for design-knowledge representation. Annual Reviews in Control, 2015, 39, 144-157.	7.9	13
13	A generic framework to support the implementation of six sigma approach in SMEs. IFAC-PapersOnLine, 2018, 51, 921-926.	0.9	12
14	Towards energy efficient buildings: how ICTs can convert advances?. IFAC-PapersOnLine, 2018, 51, 758-763.	0.9	12
15	Proposal of a Model-Driven Ontology for Product Development Process Interoperability and Information Sharing. IFIP Advances in Information and Communication Technology, 2016, , 158-168.	0.7	10
16	On the Use of Description Logic for Semantic Interoperability of Enterprise Systems. Lecture Notes in Computer Science, 2009, , 205-215.	1.3	10
17	Connectivity-and-hop-constrained design of electricity distribution networks. European Journal of Operational Research, 2012, 218, 48-57.	5.7	7
18	Modelling Framework for Sustainable Co-management of Multi-purpose Exhibition Systems: The â€œFiera del Levanteâ€•Case. Procedia Engineering, 2017, 180, 812-821.	1.2	6

#	Article	IF	Citations
19	A semantic reconciliation view to support the interoperable information relationships in product design and manufacturing. IFAC-PapersOnLine, 2017, 50, 15896-15903.	0.9	6
20	Explication and semantic querying of enterprise information systems. Knowledge and Information Systems, 2014, 40, 697-724.	3.2	5
21	Latent Ergonomics Maps: Real-Time Visualization of Estimated Ergonomics of Human Movements. Sensors, 2022, 22, 3981.	3.8	5
22	Using Statistical-Model-Checking-Based Simulation for Evaluating the Robustness of a Production Schedule. Studies in Computational Intelligence, 2018, , 345-357.	0.9	4
23	Robust Load-Balanced Configuration With Fixed Costs For The Parallel Multi-Purpose Machines Problem. , 2006, , .		3
24	Semantics enactment in Enterprise Information Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 13064-13073.	0.4	3
25	Knowledge-Based System for Manufacturing Sustainability. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 1333-1338.	0.4	3
26	Mass Customisation in Sustainable Networked Enterprises. IFIP Advances in Information and Communication Technology, 2013, , 670-678.	0.7	3
27	Maximizing the configuration robustness for parallel multi-purpose machines under setup cost constraints. Journal of Scheduling, 2012, 15, 457-471.	1.9	2
28	A METHOD FOR FORMALIZING REQUIREMENTS INTEROPERATION IN COMPLEX SYSTEMS ENGINEERING. Insight, 2015, 18, 28-30.	0.3	2
29	A generic off-line approach for dealing with uncertainty in production systems optimisation. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 1481-1486.	0.4	1
30	A sensitivity analysis to assess the completion time deviation for multi-purpose machines facing demand uncertainty. Annals of Operations Research, 2011, 191, 219-249.	4.1	1
31	Product Driven Systems Facing Unexpected Perturbations: How Operational Research Models and Approaches Can Be Useful?. Studies in Computational Intelligence, 2017, , 259-267.	0.9	1
32	Formal Fact-Oriented Model Transformations for Cooperative Information Systems Semantic Conceptualisation. Lecture Notes in Business Information Processing, 2012, , 117-131.	1.0	1
33	A Cross-Scale Models Interoperability Problem: The Plate-Form(E)3 Project Case Study. Lecture Notes in Computer Science, 2013, , 57-61.	1.3	1
34	Extraction de la structure de la sÃ©mantique dans les modÃ¨les de systÃ¨mes dâ€™information dâ€™entreprises collaboratives. Ingenierie Des Systemes D'Information, 2012, 17, 49-77.	0.7	0
35	Toward an interoperable software platform for sustainable energy. Computer Science and Information Systems, 2015, 12, 1079-1100.	1.0	0