HervÃ© Panetto

List of Publications by Year
in descending order

143	3,682	249298	169272
papers	citations	26 h-index	56 g-index

160	160	160	2784
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	AI-enabled Enterprise Information Systems for Manufacturing. Enterprise Information Systems, 2022, 16, 668-720.	3.3	25
2	A framework for assessing capability in organisations using enterprise models. Journal of Industrial Information Integration, 2022, 27, 100297.	4.3	4
3	Knowledge reuse for ontology modelling in Maintenance and Industrial Asset Management. Journal of Industrial Information Integration, 2022, 27, 100298.	4.3	10
4	Increasing the sustainability of a fresh vegetables supply chain through the optimization of funding programs: A multi-objective mathematical programming approach. Journal of Industrial Engineering and Management, 2022, 15, 256.	1.0	1
5	Artificial intelligence-enabled enterprise information systems. Enterprise Information Systems, 2022, 16, .	3.3	1
6	Control for smart systems: Challenges and trends in smart cities. Annual Reviews in Control, 2022, 53, 358-369.	4.4	11
7	Operations management and collaboration in agri-food supply chains. Production Planning and Control, 2021, 32, 1163-1164.	5.8	6
8	On analysing sustainability assessment in manufacturing organisations: a survey. International Journal of Production Research, 2021, 59, 4108-4139.	4.9	21
9	Knowledge mobilisation crossing boundaries: a multi-perspective framework for agri-food value chains. Acta Horticulturae, 2021, , 185-200.	0.1	2
10	Systemic formalisation of Cyber-Physical-Social System (CPSS): A systematic literature review. Computers in Industry, 2021, 129, 103458.	5.7	53
11	Digital twin paradigm: A systematic literature review. Computers in Industry, 2021, 130, 103469.	5.7	303
12	Alignment of the product lifecycle management federated interoperability framework with internet of things and virtual manufacturing. Computers in Industry, 2021, 130, 103466.	5.7	11
13	Interoperability in the cyber-physical manufacturing enterprise. Annual Reviews in Control, 2021, 51, 346-356.	4.4	26
14	Digital Innovation Hubs supporting SMEs digital transformation. , 2021, , .		9
15	Pattern-based Digital Twin for Optimizing Manufacturing Systems: A Real Industrial-Case Application. IFAC-PapersOnLine, 2021, 54, 307-312.	0.5	2
16	Towards a Personalisation Framework for Cyber-Physical-Social System (CPSS). IFAC-PapersOnLine, 2021, 54, 243-248.	0.5	0
17	A Proposal for a Software Tool to Perform Business Process Smart Assessment in Enterprises. IFAC-PapersOnLine, 2021, 54, 900-905.	0.5	0
18	Modelling Cyberâ€Physical Systems Using Dataâ€driven Patterns. Insight, 2021, 24, 12-15.	0.1	0

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19	Cyber-Physical Systems, a new formal paradigm to model redundancy and resiliency. Enterprise Information Systems, 2020, 14, 1150-1171.	3.3	28
20	A capability model for public administration interoperability. Enterprise Information Systems, 2020, 14, 1071-1101.	3.3	8
21	Applying process mining and semantic reasoning for process model customisation in healthcare. Enterprise Information Systems, 2020, 14, 983-1009.	3.3	19
22	A semi-automated system for interoperability assessment: an ontology-based approach. Enterprise Information Systems, 2020, 14, 308-333.	3.3	6
23	Enterprise interoperability assessment: a requirements engineering approach. International Journal of Computer Integrated Manufacturing, 2020, 33, 265-286.	2.9	6
24	Agri-food 4.0: A survey of the supply chains and technologies for the future agriculture. Computers in Industry, 2020, 117, 103187.	5.7	377
25	Towards a Characterisation of Smart Systems: A Systematic Literature Review. Computers in Industry, 2020, 120, 103224.	5.7	59
26	Towards a Conceptual Framework for Smart Assessment in Organisations. IFAC-PapersOnLine, 2020, 53, 10943-10948.	0.5	2
27	Towards Smart Assessment: A Metamodel Proposal. Lecture Notes in Computer Science, 2020, , 23-32.	1.0	0
28	A new Paradigm and Meta-Model for Cyber-Physical-Social Systems. IFAC-PapersOnLine, 2020, 53, 10949-10954.	0.5	9
29	An ontology for interoperability assessment: A systemic approach. Journal of Industrial Information Integration, 2019, 16, 100100.	4.3	12
30	Interoperability assessment: A systematic literature review. Computers in Industry, 2019, 106, 111-132.	5.7	80
31	Introduction to Personalisation in Cyber-Physical-Social Systems. Lecture Notes in Computer Science, 2019, , 25-35.	1.0	4
32	Special section on Industry 4.0: Challenges for the future in manufacturing. Annual Reviews in Control, 2019, 47, 198-199.	4.4	2
33	Sustainability Assessment of Manufacturing Organizations Based on Indicator Sets: A Formal Concept Analysis. Lecture Notes in Computer Science, 2019, , 36-44.	1.0	1
34	Challenges for the cyber-physical manufacturing enterprises of the future. Annual Reviews in Control, 2019, 47, 200-213.	4.4	225
35	A Monitoring Strategy for Industry 4.0: Master Italy s.r.l Case Study. Insight, 2019, 22, 20-22.	0.1	3
36	AFIS Doctoral Symposium: New Challenges and Advances in Systems Engineering at French Universities. Insight, 2019, 22, 7-8.	0.1	0

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37	Review of the AFIS 2018 Academyâ€Industry Meetings in Nancy â€•The Celebration of the 20th Anniversary of AFIS!. Insight, 2019, 22, 9-10.	0.1	0
38	Mining Process Factor Causality Links with Multi-relational Associations. , 2019, , .		1
39	A survey on sustainability in manufacturing organisations: dimensions and future insights. International Journal of Production Research, 2019, 57, 5194-5214.	4.9	50
40	An approach to support Industry 4.0 adoption in SMEs using a core-metamodel. Annual Reviews in Control, 2019, 47, 266-274.	4.4	28
41	A Meta-Model of Cyber-Physical-Social System: The CPSS Paradigm to Support Human-Machine Collaboration in Industry 4.0. IFIP Advances in Information and Communication Technology, 2019, , 11-20.	0.5	11
42	Data-Driven Pattern-Based Constructs Definition for the Digital Transformation Modelling of Collaborative Networked Manufacturing Enterprises. IFIP Advances in Information and Communication Technology, 2019, , 507-515.	0.5	5
43	Hybrid Production-System Control-Architecture for Smart Manufacturing. Lecture Notes in Computer Science, 2018, , 5-15.	1.0	4
44	Information systems and knowledge management in industrial engineering: recent advances and new perspectives. International Journal of Production Research, 2018, 56, 2707-2713.	4.9	20
45	An approach to support I4.0 adoption in SMEs: a core-metamodel and applications. IFAC-PapersOnLine, 2018, 51, 42-47.	0.5	3
46	Semantic interoperability of large systems through a formal method: Relational Concept Analysis. IFAC-PapersOnLine, 2018, 51, 1397-1402.	0.5	4
47	Multi-paradigm modelling of Cyber-Physical Systems. IFAC-PapersOnLine, 2018, 51, 1385-1390.	0.5	15
48	Personalisation in Cyber Physical and Social Systems: the Case of Recommendations in Cultural Heritage Spaces. , 2018, , .		13
49	Guest Editorial: Special Issue on (Industrial) Internet-of-Things for Smart and Sensing Systems: Issues, Trends, and Applications. IEEE Internet of Things Journal, 2018, 5, 4392-4395.	5.5	4
50	A notification-oriented solution for data-intensive enterprise information systems â€“ A cloud manufacturing case. Enterprise Information Systems, 2018, 12, 942-959.	3.3	10
51	Using Formal Measures to Improve Maturity Model Assessment for Conceptual Interoperability. Lecture Notes in Computer Science, 2017, , 47-56.	1.0	0
52	Managing Business Process Variability Through Process Mining and Semantic Reasoning: An Application in Healthcare. IFIP Advances in Information and Communication Technology, 2017, , 333-340.	0.5	6
53	The challenges of model-based systems engineering for the next generation enterprise information systems. Information Systems and E-Business Management, 2017, 15, 225-227.	2.2	5
54	Semantic interoperability for an integrated product development process: a systematic literature review. International Journal of Production Research, 2017, 55, 6691-6709.	4.9	24

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55	COMPLEX SYSTEM TACIT KNOWLEDGE EXTRACTION THROUGH A FORMAL METHOD. Insight, 2017, 20, 23-26.	0.1	4
56	ASSESSING INTEROPERABILITY REQUIREMENTS IN NETWORKED ENTERPRISES: A MODELâ€BASED SYSTEM ENGINEERING APPROACH. Insight, 2017, 20, 15-18.	0.1	4
57	A semantic reconciliation view to support the interoperable information relationships in product design and manufacturing. IFAC-PapersOnLine, 2017, 50, 15896-15903.	0.5	6
58	AFIS DOCTORAL SYMPOSIUM: NEW CHALLENGES AND ADVANCES IN MBSE IN FRENCH UNIVERSITIES. Insight, 2017, 20, 8-10.	0.1	0
59	CONFIGURING PROCESS VARIANTS THROUGH SEMANTIC REASONING IN SYSTEMS ENGINEERING. Insight, 2017, 20, 36-39.	0.1	2
60	Challenges and Solutions for Enhancing Agriculture Value Chain Decision-Making. A Short Review. IFIP Advances in Information and Communication Technology, 2017, , 761-774.	0.5	11
61	Towards a Semi-automated Tool for Interoperability Assessment: An Ontology-Based Approach. Communications in Computer and Information Science, 2017, , 241-254.	0.4	3
62	Knowledge engineering for enterprise integration, interoperability and networking: Theory and applications. Data and Knowledge Engineering, 2016, 105, 1-4.	2.1	19
63	Semantic annotations for semantic interoperability in a product lifecycle management context. International Journal of Production Research, 2016, 54, 5534-5553.	4.9	21
64	Knowledge representation, retrieval and reuse for product family design: An anti-logicist approach. Computers and Industrial Engineering, 2016, 101, 391-402.	3.4	18
65	New perspectives for the future interoperable enterprise systems. Computers in Industry, 2016, 79, 47-63.	5.7	103
66	Towards a Meta-Model for Networked Enterprise. Lecture Notes in Business Information Processing, 2016, , 417-431.	0.8	4
67	Proposal of a Model-Driven Ontology for Product Development Process Interoperability and Information Sharing. IFIP Advances in Information and Communication Technology, 2016, , 158-168.	0.5	10
68	AFIS DOCTORAL SYMPOSIUM: ADVANCING SYSTEMS ANALYSIS AND MODELING IN FRENCH UNIVERSITIES. Insight, 2015, 18, 9-11.	0.1	0
69	A METHOD FOR FORMALIZING REQUIREMENTS INTEROPERATION IN COMPLEX SYSTEMS ENGINEERING. Insight, 2015, 18, 28-30.	0.1	2
70	Cooperative control in production and logistics. Annual Reviews in Control, 2015, 39, 12-29.	4.4	65
71	Anti-logicist framework for design-knowledge representation. Annual Reviews in Control, 2015, 39, 144-157.	4.4	13
72	Semantic annotation for knowledge explicitation in a product lifecycle management context: A survey. Computers in Industry, 2015, 71, 24-34.	5.7	40

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73	Enabling interoperability as a property of ubiquitous systems for disaster management. Computer Science and Information Systems, 2015, 12, 1009-1031.	0.7	12
74	Humans in the Enterprise Interoperability Ecosystem. Lecture Notes in Business Information Processing, 2015, , 92-98.	0.8	0
75	Toward an interoperable software platform for sustainable energy. Computer Science and Information Systems, 2015, 12, 1079-1100.	0.7	0
76	Towards a Conceptual Framework for Requirements Interoperability in Complex Systems Engineering. Lecture Notes in Computer Science, 2014, , 229-240.	1.0	14
77	Explication and semantic querying of enterprise information systems. Knowledge and Information Systems, 2014, 40, 697-724.	2.1	5
78	Approach for the rationalisation of product lines variety. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 3280-3291.	0.4	2
79	Cooperative Control in Production and Logistics. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 4246-4265.	0.4	6
80	Formal Semantic Annotations for Models Interoperability in a PLM environment. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 2382-2393.	0.4	5
81	An Overview of Attributes Characterization for Interoperability Assessment from the Public Administration Perspective. Lecture Notes in Computer Science, 2014, , 329-338.	1.0	2
82	Information systems for enterprise integration, interoperability and networking: theory and applications. Enterprise Information Systems, 2013, 7, 1-6.	3.3	104
83	Ontology alignment for networked enterprise information system interoperability in supply chain environment. International Journal of Computer Integrated Manufacturing, 2013, 26, 140-151.	2.9	27
84	A Systemic Perspective for Mass Customization: An Approach to Defining Product Lines. Insight, 2013, 16, 10-12.	0.1	0
85	Mass Customisation in Sustainable Networked Enterprises. IFIP Advances in Information and Communication Technology, 2013, , 670-678.	0.5	3
86	Semantic Enrichment of Models to Assist Knowledge Management in a PLM Environment. Lecture Notes in Computer Science, 2013, , 267-274.	1.0	3
87	Modelling a Sustainable Cooperative Healthcare: An Interoperability-Driven Approach. Lecture Notes in Computer Science, 2013, , 238-249.	1.0	9
88	Sustainability and Interoperability: Two Facets of the Same Gold Medal. Lecture Notes in Computer Science, 2013, , 250-261.	1.0	11
89	A Cross-Scale Models Interoperability Problem: The Plate-Form(E)3 Project Case Study. Lecture Notes in Computer Science, 2013, , 57-61.	1.0	1
90	Knowledge-Based System for Manufacturing Sustainability. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 1333-1338.	0.4	3

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91	Conceptualising and structuring semantics in cooperative enterprise information systems models. Computers in Industry, 2012, 63, 775-787.	5.7	23
92	Enterprise Integration and Networking: Theory and practice. Annual Reviews in Control, 2012, 36, 284-290.	4.4	39
93	Ontology-based system for supporting manufacturing sustainability. Annual Reviews in Control, 2012, 36, 309-317.	4.4	46
94	ONTO-PDM: Product-driven ONTOlogy for Product Data Management interoperability within manufacturing process environment. Advanced Engineering Informatics, 2012, 26, 334-348.	4.0	200
95	Semantics enactment for interoperability assessment in enterprise information systems. Annual Reviews in Control, 2012, 36, 101-117.	4.4	13
96	Formal measures for semantic interoperability assessment in cooperative enterprise information systems. Computers in Industry, 2012, 63, 443-457.	5.7	49
97	Formal Fact-Oriented Model Transformations for Cooperative Information Systems Semantic Conceptualisation. Lecture Notes in Business Information Processing, 2012, , 117-131.	0.8	1
98	Formalization of Semantic Annotation for Systems Interoperability in a PLM Environment. Lecture Notes in Computer Science, 2012, , 207-218.	1.0	4
99	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.	0.5	0
100	An approach for formalising the supply chain operations. Enterprise Information Systems, 2011, 5, 401-421.	3.3	81
101	Standards Framework for Intelligent Manufacturing Systems Supply Chain. , 2011, , .		1
102	Semantics enactment in Enterprise Information Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 13064-13073.	0.4	3
103	Semantic Annotation Model Definition for Systems Interoperability. Lecture Notes in Computer Science, 2011, , 61-70.	1.0	9
104	Knowledge framework for intelligent manufacturing systems. Journal of Intelligent Manufacturing, 2011, 22, 725-735.	4.4	66
105	The Unified Enterprise Modelling Languageâ€"Overview and further work. Computers in Industry, 2010, 61, 99-111.	5.7	52
106	Towards an approach for formalizing the supply chain operations. , 2010, , .		5
107	Ontology Approach for the Interoperability of Networked Enterprises in Supply Chain Environment. Lecture Notes in Computer Science, 2010, , 229-238.	1.0	11
108	EI2Nâ€™10 & SeDeSâ€™10 - PC Co-chairs Message. Lecture Notes in Computer Science, 2010, , 180-181.	1.0	0

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109	COOPISâ€™10 - PC Co-chairs Message. Lecture Notes in Computer Science, 2010, , 6-7.	1.0	0
110	EI2Nâ€™10 & SeDeSâ€™10 - PC Co-chairs Message. Lecture Notes in Computer Science, 2010, , 563-564.	1.0	0
111	New paradigms for a product oriented modelling: Case study for traceability. Computers in Industry, 2009, 60, 172-183.	5.7	24
112	Ontological approach for products-centric information system interoperability in networked manufacturing enterprises. Annual Reviews in Control, 2009, 33, 238-245.	4.4	58
113	Semantic Enrichment of Standard-based Electronic Catalogues. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 163-168.	0.4	6
114	On the Use of Description Logic for Semantic Interoperability of Enterprise Systems. Lecture Notes in Computer Science, 2009, , 205-215.	1.0	10
115	Enterprise integration and interoperability in manufacturing systems: Trends and issues. Computers in Industry, 2008, 59, 641-646.	5.7	210
116	Product Oriented Modelling and Interoperability Issues. Lecture Notes in Business Information Processing, 2008, , 293-308.	0.8	1
117	Annotation of Enterprise Models for Interoperability Purposes. , 2008, , .		15
118	Towards a classification framework for interoperability of enterprise applications. International Journal of Computer Integrated Manufacturing, 2007, 20, 727-740.	2.9	94
119	A holonic metamodel for product traceability in Product Lifecycle Management. International Journal of Product Lifecycle Management, 2007, 2, 253.	0.1	45
120	ONTOLOGY-BASED PRODUCTS INFORMATION INTEROPERABILITY IN NETWORKED MANUFACTURING ENTERPRISES. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2007, 40, 85-93.	0.4	4
121	Enterprise semantic modelling for interoperability. , 2007, , .		11
122	Towards a Product Oriented Process Modelling for Enterprise Applications Synchronisation and Interoperability. , 2007, , 461-472.		2
123	Mapping the IEC 62264 models onto the Zachman framework for analysing products information traceability: a case study. Journal of Intelligent Manufacturing, 2007, 18, 679-698.	4.4	24
124	Development of a Metamodel to Foster Interoperability along the Product Lifecycle Traceability. , 2006, , 1-11.		18
125	Formal Specification Method for Systems Automation. European Journal of Control, 2006, 12, 115-130.	1.6	9
126	AN ENTERPRISE MODEL OF INTEROPERABILITY. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 609-614.	0.4	4

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127	The missing link: Culture and language barriers to interoperability. Annual Reviews in Control, 2006, 30, 233-241.	4.4	52
128	Facilitating Interoperability: A Cross-Analysis of the Language UEML and the Standard ISO/DIS 19440. Lecture Notes in Computer Science, 2006, , 257-268.	1.0	2
129	Product-Driven Enterprise Interoperability for Manufacturing Systems Integration. Lecture Notes in Computer Science, 2006, , 249-260.	1.0	4
130	HOLON-ORIENTED B2M PROCESS MODELLING APPROACH FOR APPLICATIONS INTEROPERABILITY IN MANUFACTURING SYSTEMS ENVIRONMENT. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 58-63.	0.4	4
131	Development of a holonic metamodel for lifecycle support and product extension. , 2005, , .		0
132	Metamodelling of production systems process models using UML stereotypes. International Journal of Internet and Enterprise Management, 2005, 3, 155.	0.1	11
133	Enterprise Integration and Networking: Issues, Trends and Vision. International Federation for Information Processing, 2005, , 303-313.	0.4	9
134	INTEROP NoE: Interoperability Research for Networked Enterprises Applications and Software. Lecture Notes in Computer Science, 2004, , 866-882.	1.0	16
135	A Unified Enterprise Modelling Language for Enhanced Interoperability of Enterprise Models. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2004, 37, 605-610.	0.4	23
136	Manufacturing Enterprise Control and Management System Engineering: paradigms and open issues. Annual Reviews in Control, 2003, 27, 199-209.	4.4	102
137	A multi-agents based E-maintenance system with case-based reasoning decision support. Engineering Applications of Artificial Intelligence, 2003, 16, 321-333.	4.3	101
138	Development of a Reference Architecture for Benchmarking Service of Manufacturing Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2003, 36, 213-219.	0.4	4
139	Towards a unified approach for intelligent actuators and sensors. , 0, , .		1
140	Contribution of the Grafcet model to synchrony in discrete events systems modelling. , 0, , .		1
141	A Semantic Annotation Framework to Assist the Knowledge Interoperability along a Product Life Cycle. Advanced Materials Research, 0, 945-949, 424-429.	0.3	2
142	A Conceptual Knowledge-Link Model for Supporting Dental Implant Process. Advanced Materials Research, 0, 945-949, 3424-3429.	0.3	0
143	A Novel Approach for Ontological Representation of Analytic Hierarchy Process. Advanced Materials Research, 0, 988, 675-682.	0.3	13