

François Vernadat

List of Publications by Year in descending order

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46
papers

1,854
citations

471371

17
h-index

315616

38
g-index

49
all docs

49
docs citations

49
times ranked

1250
citing authors

#	ARTICLE	IF	CITATIONS
1	Architectures for enterprise integration and interoperability: Past, present and future. Computers in Industry, 2008, 59, 647-659.	5.7	559
2	Enterprise information systems state of the art: Past, present and future trends. Computers in Industry, 2016, 79, 3-13.	5.7	171
3	Interoperable enterprise systems: Principles, concepts, and methods. Annual Reviews in Control, 2007, 31, 137-145.	4.4	125
4	Enterprise modeling and integration (EMI): Current status and research perspectives. Annual Reviews in Control, 2002, 26, 15-25.	4.4	122
5	Challenges and current developments for Sensing, Smart and Sustainable Enterprise Systems. Computers in Industry, 2016, 79, 34-46.	5.7	109
6	Standards on enterprise integration and engineering – state of the art. International Journal of Computer Integrated Manufacturing, 2004, 17, 235-253.	2.9	104
7	State Class Constructions for Branching Analysis of Time Petri Nets. Lecture Notes in Computer Science, 2003, , 442-457.	1.0	80
8	IT-based competency modeling and management: from theory to practice in enterprise engineering and operations. Computers in Industry, 2002, 48, 157-179.	5.7	75
9	Cost estimation in mechanical production: The Cost Entity approach applied to integrated product engineering. International Journal of Production Economics, 2006, 103, 17-35.	5.1	62
10	New developments in enterprise modelling using CIMOSA. Computers in Industry, 1999, 40, 99-114.	5.7	60
11	Bridging the Gap Between Timed Automata and Bounded Time Petri Nets. Lecture Notes in Computer Science, 2006, , 82-97.	1.0	42
12	Enterprise modelling: Research review and outlook. Computers in Industry, 2020, 122, 103265.	5.7	36
13	INTEROPERABLE ENTERPRISE SYSTEMS: ARCHITECTURES AND METHODS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 13-20.	0.4	24
14	Enterprise modelling for interoperable and knowledge-based enterprises. International Journal of Production Research, 2018, 56, 2818-2840.	4.9	24
15	Ladder Metamodeling and PLC Program Validation through Time Petri Nets. , 2008, , 121-136.		23
16	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
17	Information system analysis and conceptual database design in production environments with Mä—. Computers in Industry, 1987, 9, 183-217.	5.7	17
18	Distributed client/server architecture for CIMOSA-based enterprise components. Computers in Industry, 2004, 55, 239-253.	5.7	17

#	ARTICLE	IF	CITATIONS
19	Process-oriented risk assessment methodology for manufacturing process evaluation. International Journal of Production Research, 2017, 55, 4516-4529.	4.9	15
20	Enterprise Modeling in the context of Enterprise Engineering: State of the art and outlook. International Journal of Production Management and Engineering, 2014, 2, 57.	0.8	15
21	Organization and information system design of manufacturing environments: the new M ² — approach. Computer Integrated Manufacturing Systems, 1989, 2, 69-81.	0.1	14
22	Enterprise Integration: On Business Process and Enterprise Activity Modelling. Concurrent Engineering Research and Applications, 1996, 4, 219-228.	2.0	14
23	A model-driven engineering approach to formal verification of PLC programs. , 2011, , .		13
24	A model for cooperative planning within a virtual enterprise. International Journal of Computer Integrated Manufacturing, 2006, 19, 197-209.	2.9	12
25	Symmetry reduction for time Petri net state classes. Science of Computer Programming, 2016, 132, 209-225.	1.5	11
26	Maturity assessment in risk management in manufacturing engineering. , 2009, , .		9
27	EOS: enterprise operating systems. International Journal of Production Research, 2018, 56, 2714-2732.	4.9	9
28	Enterprise Integration and Networking: Issues, Trends and Vision. International Federation for Information Processing, 2005, , 303-313.	0.4	9
29	Standardisation on Enterprise Modelling and Integration: Achievements, On-Going Works and Future Perspectives. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2001, 34, 51-56.	0.4	8
30	A Property-Driven Approach to Formal Verification of Process Models. Lecture Notes in Business Information Processing, 2008, , 286-300.	0.8	7
31	Enterprise analysis and data base design with : A case study. Computers in Industry, 1988, 11, 31-52.	5.7	6
32	A method for supporting the transformation of an existing production system with its integrated Enterprise Information Systems (EISs) into a Cyber Physical Production System (CPPS). Computers in Industry, 2021, 131, 103483.	5.7	6
33	Requirement analysis for communication protocols. Lecture Notes in Computer Science, 1990, , 286-293.	1.0	6
34	On the composition of time Petri nets. Discrete Event Dynamic Systems: Theory and Applications, 2011, 21, 395-424.	0.6	5
35	Multi-criteria performance management methodology for decision support in industrial project selection problems. , 2016, , .		3
36	Performance Visualization in Industrial Systems for Informed Decision Making. IFAC-PapersOnLine, 2018, 51, 552-557.	0.5	3

#	ARTICLE	IF	CITATIONS
37	Enterprise Architecture Enhanced with Responsibility to Manage Access Rights - Case Study in an EU Institution. Lecture Notes in Business Information Processing, 2012, , 132-147.	0.8	3
38	Enterprise Modelling. Production Planning and Control, 2001, 12, 211-211.	5.8	2
39	Comprehensive Performance Expression Model for Industrial Performance Management and Decision Support. IFAC-PapersOnLine, 2018, 51, 558-563.	0.5	2
40	Conceptualization of a Value Cocreation Language for Knowledge-Intensive Business Services. Lecture Notes in Business Information Processing, 2018, , 3-23.	0.8	2
41	Object-oriented process development in the M*-OBJECT methodology. Journal of Intelligent Manufacturing, 2000, 11, 113-125.	4.4	1
42	Composer des réseaux de Petri temporels. Journal Europeen Des Systemes Automatisees, 2009, 43, 1001-1015.	0.3	1
43	An integrated approach to coordination description in distributed multimedia applications. Integrated Computer-Aided Engineering, 2001, 8, 311-324.	2.5	0
44	BCVR: A methodological framework for industrial performance management and decision-support. , 2015, , .		0
45	Visualised Decision Support in Industrial Project Monitoring and Control. , 2018, , .		0
46	Development of a Risk-based Decision Method for Construction Project Evaluation Using Value Theory. , 2019, , .		0