Franois Vernadat

List of Publications by Year in Descending Order

42 papers	1,398 citations	15 h-index	37 g-index
49 ext. papers	1,582 ext. citations	5.9 avg, IF	5.07 L-index

#	Paper	IF	Citations
42	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	11.6	1
41	Enterprise modelling: Research review and outlook. *Computers in Industry*, **2020**, 122, 103265	11.6	16
40	Information systems and knowledge management in industrial engineering: recent advances and new perspectives. *International Journal of Production Research*, **2018**, 56, 2707-2713	7.8	15
39	EOS: enterprise operating systems. *International Journal of Production Research*, **2018**, 56, 2714-2732	7.8	7
38	Conceptualization of a Value Cocreation Language for Knowledge-Intensive Business Services. *Lecture Notes in Business Information Processing*, **2018**, 3-23	0.6	1
37	Enterprise modelling for interoperable and knowledge-based enterprises. *International Journal of Production Research*, **2018**, 56, 2818-2840	7.8	20
36	Performance Visualization in Industrial Systems for Informed Decision Making. *IFAC-PapersOnLine*, **2018**, 51, 552-557	0.7	2
35	Comprehensive Performance Expression Model for Industrial Performance Management and Decision Support. *IFAC-PapersOnLine*, **2018**, 51, 558-563	0.7	1
34	Process-oriented risk assessment methodology for manufacturing process evaluation. *International Journal of Production Research*, **2017**, 55, 4516-4529	7.8	11
33	Enterprise information systems state of the art: Past, present and future trends. *Computers in Industry*, **2016**, 79, 3-13	11.6	120
32	Challenges and current developments for Sensing, Smart and Sustainable Enterprise Systems. *Computers in Industry*, **2016**, 79, 34-46	11.6	84
31	Multi-criteria performance management methodology for decision support in industrial project selection problems **2016**,		3
30	Symmetry reduction for time Petri net state classes. *Science of Computer Programming*, **2016**, 132, 209-225	1.1	8
29	Enterprise Modeling in the context of Enterprise Engineering: State of the art and outlook. *International Journal of Production Management and Engineering*, **2014**, 2, 57	0.4	10
28	Enterprise Architecture Enhanced with Responsibility to Manage Access Rights - Case Study in an EU Institution. *Lecture Notes in Business Information Processing*, **2012**, 132-147	0.6	3
27	On the composition of time Petri nets. *Discrete Event Dynamic Systems: Theory and Applications*, **2011**, 21, 395-424	1	5
26	A model-driven engineering approach to formal verification of PLC programs **2011**,		12

25	Maturity assessment in risk management in manufacturing engineering **2009**,		5
24	Ladder Metamodeling and PLC Program Validation through Time Petri Nets **2008**, 121-136		17
23	Architectures for enterprise integration and interoperability: Past, present and future. *Computers in Industry*, **2008**, 59, 647-659	11.6	421
22	A Property-Driven Approach to Formal Verification of Process Models. *Lecture Notes in Business Information Processing*, **2008**, 286-300	0.6	3
21	Interoperable enterprise systems: Principles, concepts, and methods. *Annual Reviews in Control*, **2007**, 31, 137-145	10.3	101
20	A model for cooperative planning within a virtual enterprise. *International Journal of Computer Integrated Manufacturing*, **2006**, 19, 197-209	4.3	9
19	INTEROPERABLE ENTERPRISE SYSTEMS: ARCHITECTURES AND METHODS. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2006**, 39, 13-20		13
18	Cost estimation in mechanical production: The Cost Entity approach applied to integrated product engineering. *International Journal of Production Economics*, **2006**, 103, 17-35	9.3	52
17	Bridging the Gap Between Timed Automata and Bounded Time Petri Nets. *Lecture Notes in Computer Science*, **2006**, 82-97	0.9	27
16	Enterprise Integration and Networking: Issues, Trends and Vision. *International Federation for Information Processing*, **2005**, 303-313		8
15	Distributed client/server architecture for CIMOSA-based enterprise components. *Computers in Industry*, **2004**, 55, 239-253	11.6	15
14	Standards on enterprise integration and engineering□tate of the art. *International Journal of Computer Integrated Manufacturing*, **2004**, 17, 235-253	4.3	84
13	State Class Constructions for Branching Analysis of Time Petri Nets. *Lecture Notes in Computer Science*, **2003**, 442-457	0.9	49
12	Enterprise modeling and integration (EMI): Current status and research perspectives. *Annual Reviews in Control*, **2002**, 26, 15-25	10.3	102
11	IT-based competency modeling and management: from theory to practice in enterprise engineering and operations. *Computers in Industry*, **2002**, 48, 157-179	11.6	62
10	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		4
9	Enterprise Modelling. *Production Planning and Control*, **2001**, 12, 211-211	4.3	2
8	An integrated approach to coordination description in distributed multimedia applications. *Integrated Computer-Aided Engineering*, **2001**, 8, 311-324	5.2	

7	Object-oriented process development in the M*-OBJECT methodology. *Journal of Intelligent Manufacturing*, **2000**, 11, 113-125	6.7	
6	New developments in enterprise modelling using CIMOSA. *Computers in Industry*, **1999**, 40, 99-114	11.6	53
5	Enterprise Integration: On Business Process and Enterprise Activity Modelling. *Concurrent Engineering Research and Applications*, **1996**, 4, 219-228	1.7	13
4	Requirement analysis for communication protocols. *Lecture Notes in Computer Science*, **1990**, 286-293	0.9	2
3	Organization and information system design of manufacturing environments: the new M* approach. *Computer Integrated Manufacturing Systems*, **1989**, 2, 69-81		11
2	Enterprise analysis and data base design with : A case study. *Computers in Industry*, **1988**, 11, 31-52	11.6	6
1	Information system analysis and conceptual database design in production environments with M*. *Computers in Industry*, **1987**, 9, 183-217	11.6	15