Eric Bonjour

List of Publications by Year
in descending order

51 papers	491 citations	759233 12 h-index	752698 20 g-index
53 all docs	53 docs citations	53 times ranked	450 citing authors

#	Article	IF	Citations
1	Formalisation and use of competencies for industrial performance optimisation: A survey. Computers in Industry, 2007, 58, 98-117.	9.9	56
2	A meta-model for knowledge configuration management to support collaborative engineering. Computers in Industry, 2015, 66, 11-20.	9.9	41
3	A situation model to support awareness in collaborative design. International Journal of Human Computer Studies, 2013, 71, 110-129.	5.6	34
4	Competency characterisation by means of work situation modelling. Computers in Industry, 2007, 58, 164-178.	9.9	33
5	Design Core Competence Diagnosis: A Case From the Automotive Industry. IEEE Transactions on Engineering Management, 2010, 57, 323-337.	3.5	27
6	An Approach Based on Bayesian Network for Improving Project Management Maturity: An Application to Reduce Cost Overrun Risks in Engineering Projects. Computers in Industry, 2020, 119, 103227.	9.9	24
7	An organizational approach to designing an intelligent knowledge-based system: Application to the decision-making process in design projects. Advanced Engineering Informatics, 2015, 29, 696-713.	8.0	22
8	Operational and System Hazard Analysis in a Safe Systems Requirement Engineering Process â€“ Application to automotive industry. Safety Science, 2016, 87, 256-268.	4.9	22
9	Collaboration based on product lifecycles interoperability for extended enterprise. International Journal on Interactive Design and Manufacturing, 2010, 4, 169-179.	2.2	21
10	A fuzzy integral based methodology to elicit semantic spaces in usability tests. International Journal of Industrial Ergonomics, 2014, 44, 11-17.	2.6	19
11	A Fuzzy Method for Propagating Functional Architecture Constraints to Physical Architecture. Journal of Mechanical Design, Transactions of the ASME, 2009, 131, .	2.9	17
12	An acceptability estimation and analysis methodology based on Bayesian networks. International Journal of Industrial Ergonomics, 2016, 53, 245-256.	2.6	16
13	Improving usersâ€™ product acceptability: an approach based on Bayesian networks and a simulated annealing algorithm. International Journal of Production Research, 2016, 54, 5151-5168.	7.5	14
14	A multidisciplinary team building method based on competency modelling in design project management. International Journal of Management Science and Engineering Management, 2008, 3, 163-175.	3.1	12
15	A method for jointly drawing up the functional and design architectures of complex systems during the preliminary system-definition phase. Journal of Engineering Design, 2013, 24, 305-319.	2.3	10
16	A team building approach for competency development. , 2007, , .		8
17	Frugal innovation or frugal renovation: how can western designers adopt frugal engineering?. Journal of Innovation Economics and Management, 2016, nÂ°21, 39-56.	1.3	8
18	Simulating change propagation between product architecture and development organisation. International Journal of Mass Customisation, 2010, 3, 288.	1.2	7

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19	Propagating product architecture decisions onto the project organisation: a comparison between two methods. International Journal of Design Engineering, 2009, 2, 451.	0.3	6
20	Unification of the a priori inconsistencies checking among assembly constraints in assembly sequence planning. International Journal of Advanced Manufacturing Technology, 2013, 69, 669-685.	3.0	6
21	Safety Demonstration of Autonomous Vehicles: A Review and Future Research Questions. , 2020, , 176-188.		6
22	A priori checking inconsistencies among strategic constraints for assembly plan generation. International Journal of Advanced Manufacturing Technology, 2012, 63, 817-838.	3.0	5
23	Modelling Framework of a Traceability System to Improve Knowledge Sharing and Collaborative Design. Lecture Notes in Computer Science, 2006, , 355-364.	1.3	5
24	Managing the Competencies of Team Members in Design Projects through Multi-period Task Assignment. International Federation for Information Processing, 2010, , 338-345.	0.4	5
25	DÃ©marche de modÃ©lisation d'une situation de conception collaborative. Document Numerique, 2004, 8, 93-106.	0.2	5
26	Proposition of a Situation Model in View to Improve Collaborative Design. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2004, 37, 329-334.	0.4	4
27	Modelling interactions to support and manage collaborative decision-making processes in design situations. International Journal of Computer Applications in Technology, 2009, 36, 259.	0.5	4
28	How to implement the abstract design paradigm: the case of requirements engineering. International Journal of Product Development, 2013, 18, 147.	0.2	4
29	New product acceptability evaluation and improvement model with knowledge reuse**This work is financed by a grant from the French Ministry of Higher Education and Research (Ministere de) Tj ETQq1 1 0.784314 rgBT /Overlock 10		4
30	DESIGN AND CORE COMPETENCY, THE MISSING LINKS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2007, 40, 49-53.	0.4	3
31	Distributed knowledge extracted by a mas using ontology alignment methods. , 2012, , .		3
32	The Determination of Functional Safety Concept coupled with the definition of Logical Architecture: a framework of analysis from the automotive industry. IFAC-PapersOnLine, 2017, 50, 7278-7283.	0.9	3
33	Interface modeling for productâ€service system integration. Systems Engineering, 2019, 22, 471-484.	2.7	3
34	Innovative PLM-based approach for collaborative design between OEM and suppliers: Case study of aeronautic industry. International Federation for Information Processing, 2008, , 157-168.	0.4	3
35	KROM: An Organizational Meta-Model Oriented to Knowledge: A Case from Ophthalmic Industry. , 2012, , .		2
36	Towards a method for acceptability analysis: Application to healthcare innovation. , 2014, , .		2

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37	Modélisation par les grammaires de graphes de la génération de la diversité dans les familles de produits. Journal Europeen Des Systemes Automatises, 2009, 43, 103-132.	0.4	2
38	De la modélisation des situations de travail à la caractérisation des compétences. Une approche par la logique floue. Journal Europeen Des Systemes Automatises, 2009, 43, 35-71.	0.4	2
39	From Model Based Systems Engineering to Model Based System Realization: Role and Relevance of IVTV Plan. Lecture Notes in Computer Science, 2014, , 109-116.	1.3	2
40	A multi-sources knowledge management system. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 1177-1183.	0.4	1
41	THE FIRST ROBAFIS-ROBSE INTERNATIONAL STUDENT COMPETITION IN SYSTEMS ENGINEERING. Insight, 2017, 20, 45-46.	0.3	1
42	Use of Bayesian Network Characteristics to Link Project Management Maturity and Risk of Project Overcost. , 2018, , .		1
43	Towards an improved acceptability assessment model of innovative solutions in the design phase. International Journal of Business Information Systems, 2020, 1, 1.	0.2	1
44	Maintenance of Manufacturing Databases Used in CAPM Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1997, 30, 255-260.	0.4	0
45	A method to manage the co-evolution of Product an Organization architectures. , 2006, , .		0
46	A FUZZY ARRAY-BASED CLUSTERING METHOD IN TEAM BUILDING. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2007, 40, 73-78.	0.4	0
47	AFIS DOCTORAL SYMPOSIUM: ADVANCING SYSTEMS ANALYSIS AND MODELING IN FRENCH UNIVERSITIES. Insight, 2015, 18, 9-11.	0.3	0
48	Challenges for Autonomous Vehicles (AVs) Engineering: Safety Validation of Functional Performance Limitations. Insight, 2019, 22, 23-25.	0.3	0
49	Review of the AFIS 2018 Academy–Industry Meetings in Nancy –The Celebration of the 20th Anniversary of AFIS!. Insight, 2019, 22, 9-10.	0.3	0
50	Special issue on system of systems engineering. Systems Engineering, 2019, 22, 435-436.	2.7	0
51	Analysis and Improvement of an Innovative Solution Through Risk Reduction: Application to Home Care for the Elderly. Advances in Science, Technology and Engineering Systems, 2020, 5, 158-165.	0.5	0