Juan Garbajosa

List of Publications by Year
in descending order

73 papers	**716** citations	933264 **10** h-index	794469 **19** g-index
81 all docs	**81** docs citations	**81** times ranked	**603** citing authors

#	Article	IF	Citations
1	Towards Blockchain-Based Internet of Things Systems for Energy Smart Contracts With Constrained Hardware Devices and Cloud Infrastructure. IEEE Access, 2021, 9, 77742-77757.	2.6	3
2	A Systematic-Oriented Process for Tool Selection: The Case of Green and Technical Debt Tools in Architecture Reconstruction. Lecture Notes in Computer Science, 2020, , 237-253.	1.0	2
3	DevOps in practice. , 2018, , .		18
4	An analysis of the *bluetooth terminal* development pivots from lean startup perspective. , 2017, , .		2
5	Generating innovations for the internet of things. , 2017, , .		2
6	Identification and analysis of the elements required to manage technical debt by means of a systematic mapping study. Journal of Systems and Software, 2017, 124, 22-38.	3.3	43
7	An Open Tool for Assisting in Technical Debt Management. , 2017, , .		2
8	Future directions in Agile research: Alignment and divergence between research and practice. Journal of Software: Evolution and Process, 2017, 29, e1884.	1.2	6
9	Big Data Value Engineering for Business Model Innovation. , 2017, , .		4
10	An exploratory study in communication in Agile Global Software Development. Computer Standards and Interfaces, 2016, 48, 184-197.	3.8	31
11	Conceptualizing a framework for cyber-physical systems of systems development and deployment. , 2016, , .		6
12	Curricular design based in bodies of knowledge: Engineering education for the innovation and the industry. , 2016, , .		25
13	Toward big data value engineering for innovation. , 2016, , .		7
14	Use of body knowledge and cloud computing tools to develop software projects based in innovation. , 2016, , .		20
15	Towards a Reference Architecture for Large-Scale Smart Grids System of Systems. , 2015, , .		9
16	A framework to aid in decision making for technical debt management. , 2015, , .		8
17	An Analysis of Techniques and Methods for Technical Debt Management: A Reflection from the Architecture Perspective. , 2015, , .		5
18	Modeling Product-Line Architectural Knowledge. , 2015, , .		0

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19	A model for tracing variability from features to product-line architectures: a case study in smart grids. Requirements Engineering, 2015, 20, 323-343.	2.1	16
20	Guiding Flexibility Investment in Agile Architecting. , 2014, , .		5
21	A Framework for Positioning and Assessing Innovation Capability from an Organizational Perspective. , 2014, , .		1
22	Bridging User Stories and Software Architecture. , 2014, , 215-241.		3
23	Communication in Agile Global Software Development: An Exploratory Study. Lecture Notes in Computer Science, 2014, , 408-417.	1.0	7
24	Agile product-line architecting in practice: A case study in smart grids. Information and Software Technology, 2014, 56, 727-748.	3.0	35
25	Analyzing Software Product Innovation Assessment by Using a Systematic Literature Review. , 2014, , .		3
26	Change-Impact Driven Agile Architecting. , 2013, , .		8
27	Building lean thinking in a telecom software development organization: strengths and challenges. , 2013, , .		14
28	Providing a Consensus Definition for the Term &#x0022;Smart Product&#x0022;. , 2013, , .		18
29	Model-to-Code Transformation from Product-Line Architecture Models to AspectJ. , 2013, , .		2
30	Large-scale smart grids as system of systems. , 2013, , .		13
31	Analyzing the Drivers of the Combination of Lean and Agile in Software Development Companies. Lecture Notes in Computer Science, 2012, , 145-159.	1.0	8
32	Towards estimating the value of an idea. , 2011, , .		2
33	A study to support agile methods more effectively through traceability. Innovations in Systems and Software Engineering, 2011, 7, 53-69.	1.6	27
34	Agile product line engineeringâ€"a systematic literature review. Software - Practice and Experience, 2011, 41, 921-941.	2.5	46
35	ENERGOS: Integral smart grid management. , 2011, , .		8
36	Software-intensive systems interoperability in Smart Grids: A semantic approach. , 2011, , .		6

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37	Towards a distributed intelligent ICT architecture for the smart grid. , 2011, , .		15
38	Prioritization of Features in Agile Product Line Engineering. Lecture Notes in Business Information Processing, 2011, , 318-319.	0.8	0
39	Change Impact Analysis in Product-Line Architectures. Lecture Notes in Computer Science, 2011, , 114-129.	1.0	13
40	Value-Based Software Traceability Workshop (VALSOT 2011). Lecture Notes in Business Information Processing, 2011, , 330-330.	0.8	0
41	A formal approach to reuse successful traceability practices in SPL projects. , 2010, , .		4
42	MATURE: A Model Driven bAsed Tool to Automatically Generate a langUage That suppoRts CMMI Process Areas spEcification. Communications in Computer and Information Science, 2010, , 48-59.	0.4	3
43	Towards valuable software products. , 2010, , .		1
44	Mapping CMMI Level 2 to Scrum Practices: An Experience Report. Communications in Computer and Information Science, 2009, , 93-104.	0.4	37
45	Software Product Line Engineering Approach for Enhancing Agile Methodologies. Lecture Notes in Business Information Processing, 2009, , 247-248.	0.8	6
46	Plastic Partial Components: A solution to support variability in architectural components. , 2009, , .		29
47	A Systematic Process for Implementing Gateways for Test Tools. , 2009, , .		3
48	Some Findings Concerning Requirements in Agile Methodologies. Lecture Notes in Business Information Processing, 2009, , 171-184.	0.8	10
49	Development of a Software Product Line for Validation Environments. , 2009, , 173-199.		3
50	Optimizing Agile Processes by Early Identification of Hidden Requirements. Lecture Notes in Business Information Processing, 2009, , 180-185.	0.8	3
51	A Proposal for Defining a Set of Basic Items for Project-Specific Traceability Methodologies. , 2008, , .		8
52	A Software Product Line Definition for Validation Environments. , 2008, , .		5
53	A Generic Gateway for Testing Heterogeneous Components in Acceptance Testing Tools. , 2008, , .		4
54	The Emerging ISO International Standard for Certification of Software Engineering Professionals. International Federation for Information Processing, 2008, , 173-178.	0.4	1

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55	A Metamodel for Defining Development Methodologies. Communications in Computer and Information Science, 2008, , 414-425.	0.4	1
56	Applying the Knowledge Stored in Systems Models to Derve Validation Tools and Environments. , 2007, , .		4
57	Identifying Application Key Knowledge through System Operations Modeling. , 2007, , .		3
58	Modeling Functional Requirements to Support Traceability Analysis. , 2006, , .		1
59	Analyzing and Systematizing Current Traceability Schemas. 2011 IEEE 34th Software Engineering Workshop, 2006, , .	0.0	18
60	An Architectural-framework for a Testing Environment for Geographically Distributed Teams. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2001, 34, 383-388.	0.4	2
61	Migrating A Corba-Based Tele-Testing Architecture to Internet. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2001, 34, 97-103.	0.4	1
62	An Approach to Use System Models to Assist in the Definition of Test Procedures 1 1This research work was performed within the ARCO project. The Inter-ministerial Commission for Science and Technology of the Government of Spain, CICYT, partially supports the Project ARCO Ref. TIC98-0782.. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2000, 33, 175-181.	0.4	2
63	Introducing the Data Role in Models for Database Assessment. Lecture Notes in Computer Science, 2000, , 48-58.	1.0	0
64	Application of a real time expert system platform for flexible autonomous transport in industrial production. Computers in Industry, 1999, 38, 187-200.	5.7	10
65	Natural language front end to test systems. Annual Review in Automatic Programming, 1994, 19, 261-267.	0.2	2
66	Introducing HOOD into software process modelling based environments. , 1991, , 211-226.		0
67	Isothermal compressibility of toluene + n-hexane and + n-octane at 298.15, 308.15, 318.15, and 333.15 K. Journal of Chemical Thermodynamics, 1982, 14, 671-677.	1.0	27
68	Design of flexible autonomous transport robots for industrial production. , 0, , .		6
69	Assisting the definition and execution of test suites for complex systems. , 0, , .		7
70	Modeling Language Interpretation for Validation. , 0, , .		0
71	Automated integrated support for requirements-area and validation processes related to system development. , 0, , .		10
72	How to apply the Bloom taxonomy to software engineering. , 0, , .		14

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73	Framing Database Audit of ISO/IEC 12207 Software Life Cycle Processes. , 0, , 167-188.		0