Xabier Larrucea

List of Publications by Year
in descending order

64 papers	754 citations	471509 17 h-index	580821 25 g-index
65 all docs	65 docs citations	65 times ranked	718 citing authors

#	Article	IF	Citations
1	Software Process Improvement in Very Small Organizations. IEEE Software, 2016, 33, 85-89.	1.8	75
2	Microservices. IEEE Software, 2018, 35, 96-100.	1.8	62
3	Towards a GDPR compliant way to secure European cross border Healthcare Industry 4.0. Computer Standards and Interfaces, 2020, 69, 103408.	5.4	62
4	Software Engineering for the Internet of Things. IEEE Software, 2017, 34, 24-28.	1.8	61
5	A case analysis of enabling continuous software deployment through knowledge management. International Journal of Information Management, 2018, 40, 186-189.	17.5	44
6	Hospital preparedness and response in CBRN emergencies: TIER assessment tool. European Journal of Emergency Medicine, 2017, 24, 366-370.	1.1	32
7	Teamwork assessment in the educational web of data: A learning analytics approach towards ISO 10018. Telematics and Informatics, 2018, 35, 551-563.	5.8	29
8	TIER competency-based training course for the first receivers of CBRN casualties: a European perspective. European Journal of Emergency Medicine, 2017, 24, 371-376.	1.1	28
9	Reuse of safety certification artefacts across standards and domains: A systematic approach. Reliability Engineering and System Safety, 2017, 158, 153-171.	8.9	23
10	Standards and Interfaces, 2016, 48, 112-123.	5.4	22
11	Mass surveillance and technological policy options: Improving security of private communications. Computer Standards and Interfaces, 2017, 50, 76-82.	5.4	22
12	Service level agreementâ€based GDPR compliance and security assurance in(multi)Cloudâ€based systems. IET Software, 2019, 13, 213-222.	2.1	22
13	A Platform Independent Model for Service Oriented Architectures. , 2007, , 23-32.		22
14	A standard-based framework to integrate software work in small settings. Computer Standards and Interfaces, 2017, 54, 162-175.	5.4	20
15	Continuous Quantitative Risk Management in Smart Grids Using Attack Defense Trees. Sensors, 2020, 20, 4404.	3.8	20
16	Safety-Critical Software [Guest editors' introduction]. IEEE Software, 2013, 30, 25-27.	1.8	19
17	Gamification for software process improvement: a practical approach. IET Software, 2019, 13, 112-121.	2.1	19
18	Supporting the Management of Reusable Automotive Software. IEEE Software, 2017, 34, 40-47.	1.8	17

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19	A Pragmatic Approach for Evaluating and Accrediting Digital Competence of Digital Profiles: A Case Study of Entrepreneurs and Remote Workers. Technology, Knowledge and Learning, 2022, 27, 843-878.	4.9	15
20	Assessing source code vulnerabilities in a cloud–based system for health systems: OpenNCP. IET Software, 2019, 13, 195-202.	2.1	13
21	Standards-based metamodel for the management of goals, risks and evidences in critical systems development. Computer Standards and Interfaces, 2016, 48, 71-79.	5.4	11
22	A mapping study about the standard ISO/IEC29110. Computer Standards and Interfaces, 2019, 65, 159-166.	5.4	10
23	Assessing ISO/IEC29110 by means of ITMark: results from an experience factory. Journal of Software: Evolution and Process, 2016, 28, 969-980.	1.6	9
24	ISOAS: Through an independent SOA Security Specification. , 2008, , .		7
25	Survival studies based on ISO/IEC29110: Industrial experiences. Computer Standards and Interfaces, 2018, 60, 73-79.	5.4	7
26	A GSN Approach to SEooC for an Automotive Hall Sensor. Communications in Computer and Information Science, 2016, , 269-280.	0.5	7
27	Is the Gender Gap Narrowing in Higher Education Computing Studies? The Case of Norway, Spain, and Tunisia. Revista Iberoamericana De Tecnologias Del Aprendizaje, 2020, 15, 336-343.	0.9	6
28	An industrial assessment for a multimodel framework. Journal of Software: Evolution and Process, 2014, 26, 837-845.	1.6	5
29	Reliability Engineering. IEEE Software, 2017, 34, 26-29.	1.8	5
30	Correlations study and clustering from SPI experiences in small settings. Journal of Software: Evolution and Process, 2019, 31, e1989.	1.6	4
31	Burnable Pseudo-Identity: A Non-Binding Anonymous Identity Method for Ethereum. IEEE Access, 2021, 9, 108912-108923.	4.2	4
32	A Tool Suite for Assurance Cases and Evidences: Avionics Experiences. Communications in Computer and Information Science, 2015, , 63-71.	0.5	4
33	Data Model Transformation for Supporting Interoperability. , 2007, , .		3
34	Modelling and Certifying Safety for Cyber-Physical Systems: An Educational Experiment. , 2016, , .		3
35	Managing security debt across PLC phases in a VSE context. Journal of Software: Evolution and Process, 2020, 32, e2214.	1.6	3
36	A Harmonized Multimodel Framework for Safety Environments. Communications in Computer and Information Science, 2012, , 121-132.	0.5	3

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37	Designing a Cyber Range Exercise for Educational Purposes. Communications in Computer and Information Science, 2020, , 302-312.	0.5	3
38	Security and Privacy Service Level Agreement composition for Internet of Things systems on top of standard controls. Computers and Electrical Engineering, 2022, 98, 107690.	4.8	3
39	Method Engineering Approach for Interoperable Systems Development. Software Process Improvement and Practice, 2008, 13, 127-133.	1.1	2
40	An Industrial Experience in Cross Domain Assurance Projects. Communications in Computer and Information Science, 2015, , 29-38.	0.5	2
41	A method for defining a regional software ecosystem strategy: Colombia as a case study. Technological Forecasting and Social Change, 2016, 104, 247-258.	11.6	2
42	Approach for Enabling Security Across PLC Phases: An Industrial Use Case. Communications in Computer and Information Science, 2018, , 354-367.	0.5	2
43	On quaternary Goppa codes. Discrete Mathematics, 2020, 343, 111962.	0.7	2
44	Towards a privacy debt. IET Software, 0, , .	2.1	2
45	Dealing with Security in a Real DevOps Environment. Communications in Computer and Information Science, 2019, , 453-464.	0.5	2
46	Towards a Survival Analysis of Very Small Organisations. Communications in Computer and Information Science, 2017, , 599-609.	0.5	2
47	Comparing SPI Survival Studies in Small Settings. Communications in Computer and Information Science, 2017, , 45-54.	0.5	2
48	Semi-real-time Hash Comparison for Detecting Intrusions Using Blockchain. Communications in Computer and Information Science, 2019, , 165-179.	0.5	2
49	Ontology-based Transformations for Achieving Interoperability in AmI. , 2007, , 297-306.		2
50	Situational Method Fragment Selection and Composition. , 2008, , .		1
51	Towards the improvement of the software quality: An Enterprise 2.0 architecture for distributed software developments. , 2008, , .		1
52	Regression Testing, Spoken Language, Crash-Inducing Commits, UML, and Legal Policy. IEEE Software, 2016, 33, 26-28.	1.8	1
53	Analyzing a ROS Based Architecture for Its Cross Reuse in ISO26262 Settings. Communications in Computer and Information Science, 2018, , 167-180.	0.5	1
54	A Service Based Development Environment on Web 2.0 Platforms. Lecture Notes in Computer Science, 2008, , 38-48.	1.3	1

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55	Towards the Integration of Security Practices in the Software Implementation Process of ISO/IEC 29110: A Mapping. Communications in Computer and Information Science, 2017, , 3-14.	0.5	1
56	An ICS Based Scenario Generator for Cyber Ranges. Communications in Computer and Information Science, 2020, , 543-554.	0.5	1
57	OPENCERT: Supporting the management of Safety Elements out of Context in the Automotive industry. IEEE Software, 2017, , 1-1.	1.8	0
58	Analysing encryption mechanisms and functional safety in a ROSâ€based architecture. Journal of Software: Evolution and Process, 2020, 32, e2224.	1.6	0
59	Quantum and post-quantum cryptography and cybersecurity: A systematic mapping. ColecciÃ³n Jornadas Y Congresos, 0, , .	0.0	0
60	A privacy preserving approach for avoiding database recovery attacks in software developments. ColecciÃ³n Jornadas Y Congresos, 0, , .	0.0	0
61	Enhancing GDPR compliance through data sensitivity and data hiding tools. Journal of Universal Computer Science, 2021, 27, 650-666.	0.8	0
62	Automatic Program Repair. IEEE Software, 2021, 38, 122-124.	1.8	0
63	The Future Internet and its social return of investment. , 2010, , .		0
64	Integrating privacy debt and VSE's software developments. Journal of Software: Evolution and Process, 0, , .	1.6	0