

Sergio España

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

604
citations

932766

10
h-index

676716

22
g-index

64
all docs

64
docs citations

64
times ranked

417
citing authors

#	ARTICLE	IF	CITATIONS
1	Capability Driven Development: An Approach to Designing Digital Enterprises. Business and Information Systems Engineering, 2015, 57, 15-25.	4.0	102
2	Decision Support for Blockchain Platform Selection: Three Industry Case Studies. IEEE Transactions on Engineering Management, 2020, 67, 1109-1128.	2.4	99
3	Model-Driven Development. Informatik-Spektrum, 2008, 31, 394-407.	1.0	41
4	In search of evidence for model-driven development claims: An experiment on quality, effort, productivity and satisfaction. Information and Software Technology, 2015, 62, 164-186.	3.0	32
5	Communication Analysis: A Requirements Engineering Method for Information Systems. Notes on Numerical Fluid Mechanics and Multidisciplinary Design, 2009, , 530-545.	0.2	30
6	Evaluating the Completeness and Granularity of Functional Requirements Specifications: A Controlled Experiment. , 2009, , .		21
7	An empirical comparative evaluation of requirements engineering methods. Journal of the Brazilian Computer Society, 2010, 16, 3-19.	0.8	18
8	GoBIS: An integrated framework to analyse the goal and business process perspectives in information systems. Information Systems, 2015, 53, 330-345.	2.4	16
9	Systematic Derivation of Class Diagrams from Communication-Oriented Business Process Models. Lecture Notes in Business Information Processing, 2011, , 246-260.	0.8	15
10	Dealing with Usability in Model Transformation Technologies. Lecture Notes in Computer Science, 2008, , 498-511.	1.0	14
11	Unity criteria for Business Process Modelling. , 2009, , .		13
12	Analysing the concept of quality in model-driven engineering literature: A systematic review. , 2014, , .		11
13	Considerations about quality in model-driven engineering. Software Quality Journal, 2018, 26, 685-750.	1.4	11
14	Integrating the Goal and Business Process Perspectives in Information System Analysis. Lecture Notes in Computer Science, 2014, , 332-346.	1.0	10
15	Evaluating the quality of a set of modelling languages used in combination: A method and a tool. Information Systems, 2018, 77, 48-70.	2.4	10
16	EERMM: A Metamodel for the Enhanced Entity-Relationship Model. Lecture Notes in Computer Science, 2012, , 515-524.	1.0	9
17	Evaluating Model-Driven Development Claims with Respect to Quality: A Family of Experiments. IEEE Transactions on Software Engineering, 2021, 47, 130-145.	4.3	9
18	Capability-Driven Development of a SOA Platform: A Case Study. Lecture Notes in Business Information Processing, 2014, , 100-111.	0.8	9

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19	Integrating Business Domain Ontologies with Early Requirements Modelling. Lecture Notes in Computer Science, 2008, , 282-291.	1.0	8
20	The Beautification Process in Model-Driven Engineering of User Interfaces. Lecture Notes in Computer Science, 2007, , 411-425.	1.0	8
21	Modelling language quality evaluation in model-driven information systems engineering: A roadmap. , 2015, , .		7
22	Conciliating Model-Driven Engineering with Technical Debt Using a Quality Framework. Lecture Notes in Business Information Processing, 2015, , 199-214.	0.8	7
23	Conceptual Alignment of Software Production Methods. , 2007, , 209-228.		7
24	Multi-level Autonomic Business Process Management. Lecture Notes in Business Information Processing, 2013, , 184-198.	0.8	7
25	Systematic derivation of conceptual models from requirements models: A controlled experiment. , 2012, , .		6
26	A GUI modeling language for mobile applications. , 2015, , .		6
27	Model-driven engineering support for social and environmental accounting. , 2019, , .		6
28	Systematic derivation of state machines from communication-oriented business process models. , 2011, , .		5
29	An empirical comparative evaluation of gestUI to include gesture-based interaction in user interfaces. Science of Computer Programming, 2019, 172, 232-263.	1.5	5
30	How Effective Is Automated Trace Link Recovery in Model-Driven Development?. Lecture Notes in Computer Science, 2022, , 35-51.	1.0	5
31	Supporting organisational evolution by means of model-driven reengineering frameworks. , 2013, , .		4
32	LightCDD: A Lightweight Capability-Driven Development Method for Start-Ups. Lecture Notes in Business Information Processing, 2016, , 15-26.	0.8	4
33	An Ontological-Based Approach to Analyze Software Production Methods. Lecture Notes in Business Information Processing, 2008, , 258-270.	0.8	4
34	A method to evaluate quality of modelling languages based on the Zachman reference taxonomy. Software Quality Journal, 2019, 27, 1239-1269.	1.4	3
35	Integrating Model-Based and Task-Based Approaches to User Interface Generation. , 2007, , 253-260.		3
36	GestUI: A Model-driven Method and Tool for Including Gesture-based Interaction in User Interfaces. Complex Systems Informatics and Modeling Quarterly, 2016, , 73-92.	0.5	3

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37	Model-Driven Production of Data-Centric Infographics: An Application to the Impact Measurement Domain. Lecture Notes in Business Information Processing, 2022, , 477-494.	0.8	3
38	Model-driven organisational reengineering A framework to support organisational improvement. , 2012, , .		2
39	From Requirements to Code: A Full Model-Driven Development Perspective. Communications in Computer and Information Science, 2013, , 56-70.	0.4	2
40	Including multi-stroke gesture-based interaction in user interfaces using a model-driven method. , 2015, , .		2
41	Business Model Exploration for Software Defined Networks. Lecture Notes in Business Information Processing, 2017, , 99-112.	0.8	2
42	Empirical validation of a quality framework for evaluating modelling languages in MDE environments. Software Quality Journal, 2021, 29, 275-307.	1.4	2
43	Towards a Holistic Conceptual Modelling-Based Software Development Process. Lecture Notes in Computer Science, 2006, , 437-450.	1.0	2
44	LightCDD: Application of a Capability-Driven Development Method for Start-ups Development. Complex Systems Informatics and Modeling Quarterly, 2017, , 53-74.	0.5	2
45	Full Model-Driven Practice: From Requirements to Code Generation. Notes on Numerical Fluid Mechanics and Multidisciplinary Design, 2012, , 701-702.	0.2	2
46	Towards a Communicational Perspective for Enterprise Information Systems Modelling. Lecture Notes in Business Information Processing, 2008, , 62-76.	0.8	1
47	Responsible software: A research agenda to help enterprises become more sustainable. , 2016, , .		1
48	A Comparative Analysis of Green ICT Maturity Models. , 0, , .		1
49	Assessing the Ethical, Social and Environmental Performance of Conferences. Lecture Notes in Business Information Processing, 2022, , 752-760.	0.8	1
50	A Multi Level Approach to Autonomic Business Process. , 2012, , .		0
51	Front cover contents. , 2016, , .		0
52	Extending and validating gestUI using technical action research. , 2017, , .		0
53	Exploratory usability evaluation of the capability-design tool. , 2017, , .		0
54	Capability Support for Entrepreneurial Ventures. , 2018, , 311-325.		0

#	ARTICLE	IF	CITATIONS
55	Human Sustainability in Software Development. , 2021, , 329-348.		0
56	Tailoring User Interfaces to Include Gesture-Based Interaction with gestUI. Lecture Notes in Computer Science, 2016, , 496-504.	1.0	0
57	Evaluación de la calidad de lenguajes de modelado a través de análisis taxonómico: una propuesta preliminar. Revista Ingenierías Universidad De Medellín, 2016, 15, 159-172.	0.1	0
58	Learning Pros and Cons of Model-Driven Development in a Practical Teaching Experience. Lecture Notes in Computer Science, 2016, , 218-227.	1.0	0
59	Selected Topics on Managing Complexity and Information Systems Engineering: Editorial Introduction to Issue 8 of CSIMQ. Complex Systems Informatics and Modeling Quarterly, 2016, , .	0.5	0
60	Selected Topics on Information Systems Engineering: Editorial Introduction to Issue 9 of CSIMQ. Complex Systems Informatics and Modeling Quarterly, 2016, , I-II.	0.5	0
61	Linking requirements specification with interaction design and implementation. , 0, , 123-133.		0