

Francisco Ruiz

List of Publications by Year in descending order

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75
papers

1,399
citations

471061

17
h-index

454577

30
g-index

78
all docs

78
docs citations

78
times ranked

915
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards a consistent terminology for software measurement. Information and Software Technology, 2006, 48, 631-644.	3.0	132
2	Software Process Improvement: The Competisoft Project. Computer, 2007, 40, 21-28.	1.2	84
3	Using Ontologies in Software Engineering and Technology. , 2006, , 49-102.		69
4	AN ONTOLOGY FOR THE MANAGEMENT OF SOFTWARE MAINTENANCE PROJECTS. International Journal of Software Engineering and Knowledge Engineering, 2004, 14, 323-349.	0.6	64
5	A family of experiments to validate metrics for software process models. Journal of Systems and Software, 2005, 77, 113-129.	3.3	62
6	Quality indicators for business process models from a gateway complexity perspective. Information and Software Technology, 2012, 54, 1159-1174.	3.0	60
7	Managing software process measurement: A metamodel-based approach. Information Sciences, 2007, 177, 2570-2586.	4.0	53
8	Implementation of the Business Process Modelling Notation (BPMN) in the modelling of anatomic pathology processes. Diagnostic Pathology, 2008, 3, S22.	0.9	46
9	An integrated approach based on execution measures for the continuous improvement of business processes realized by services. Information and Software Technology, 2014, 56, 134-162.	3.0	37
10	Analysis and Validation of Control-Flow Complexity Measures with BPMN Process Models. Lecture Notes in Business Information Processing, 2009, , 58-70.	0.8	37
11	Applying Software Metrics to evaluate Business Process Models. CLEI Electronic Journal, 2006, 9, .	0.2	33
12	Evaluation measures for business process models. , 2006, , .		29
13	Towards thresholds of control flow complexity measures for BPMN models. , 2011, , .		27
14	Effective use of ontologies in software measurement. Knowledge Engineering Review, 2009, 24, 23-40.	2.1	26
15	Quality Assessment of Business Process Models Based on Thresholds. Lecture Notes in Computer Science, 2010, , 78-95.	1.0	26
16	Generating three-tier applications from relational databases: a formal and practical approach. Information and Software Technology, 2002, 44, 923-941.	3.0	23
17	Using a qualitative research method for building a software maintenance methodology. Software - Practice and Experience, 2002, 32, 1239-1260.	2.5	23
18	FMESP: Framework for the modeling and evaluation of software processes. Journal of Systems Architecture, 2006, 52, 627-639.	2.5	22

#	ARTICLE	IF	CITATIONS
19	Prediction Models for BPMN Usability and Maintainability. , 2009, , .		22
20	Using code metrics to predict maintenance of legacy programs: a case study. , 0, , .		20
21	An ontological approach to describe the SQL:2003 object-relational features. Computer Standards and Interfaces, 2006, 28, 695-713.	3.8	18
22	TOWARD A QUALITY FRAMEWORK FOR BUSINESS PROCESS MODELS. International Journal of Cooperative Information Systems, 2013, 22, 1350003.	0.6	18
23	Prediction of Business Process Model Quality Based on Structural Metrics. Lecture Notes in Computer Science, 2010, , 458-463.	1.0	17
24	From BPMN business process models to SoaML service models: A transformation-driven approach. , 2010, , .		17
25	A study of the effectiveness of two threshold definition techniques. , 2012, , .		17
26	Global software development governance: Challenges and solutions. Journal of Software: Evolution and Process, 2020, 32, e2266.	1.2	17
27	A systematic mapping study on enterprise architecture mining. Enterprise Information Systems, 2019, 13, 675-718.	3.3	16
28	A case study about the improvement of business process models driven by indicators. Software and Systems Modeling, 2017, 16, 759-788.	2.2	15
29	Business Process Service Oriented Methodology (BPSOM) with Service Generation in SoaML. Notes on Numerical Fluid Mechanics and Multidisciplinary Design, 2011, , 672-680.	0.2	14
30	Towards an ontology for service oriented modeling supporting business processes. , 2010, , .		13
31	A software maintenance methodology for small organizations: Agile_MANTEMA. Journal of Software: Evolution and Process, 2012, 24, 851-876.	1.2	13
32	MINERVA: Model driveN and sErvice oRiented Framework for the Continuous Business Process improvement and relAted Tools. Lecture Notes in Computer Science, 2010, , 456-466.	1.0	13
33	Graphical versus textual software measurement modelling: an empirical study. Software Quality Journal, 2011, 19, 201-233.	1.4	12
34	Roles in the maintenance process. Software Engineering Notes: an Informal Newsletter of the Special Interest Committee on Software Engineering / ACM, 1999, 24, 84-86.	0.5	11
35	Applying a framework for the improvement of software process maturity. Software - Practice and Experience, 2006, 36, 283-304.	2.5	11
36	Enterprise Architecture. IEEE Software, 2019, 36, 12-19.	2.1	10

#	ARTICLE	IF	CITATIONS
37	Integrated Measurement for the Evaluation and Improvement of Software Processes. Lecture Notes in Computer Science, 2003, , 94-111.	1.0	9
38	Model transformations for Business-IT alignment. , 2012, , .		9
39	MANTEMA: a software maintenance methodology based on the ISO/IEC 12207 standard. , 0, , .		7
40	Definition and Empirical Validation of Metrics for Software Process Models. Lecture Notes in Computer Science, 2004, , 146-158.	1.0	7
41	A decision-making support system for Enterprise Architecture Modelling. Decision Support Systems, 2020, 131, 113249.	3.5	7
42	Formal Definition of Measures for BPMN Models. Lecture Notes in Computer Science, 2009, , 285-306.	1.0	7
43	Measurement and Maturity of Business Processes. , 2009, , 532-556.		7
44	Software Generic Measurement Framework Based on MDA. IEEE Latin America Transactions, 2011, 9, 864-871.	1.2	6
45	Improving Quality of Business Process Models. Communications in Computer and Information Science, 2013, , 130-144.	0.4	6
46	Enriching Decision Making with Data-Based Thresholds of Process-Related KPIs. Lecture Notes in Computer Science, 2017, , 193-209.	1.0	6
47	MDE for BPM: A Systematic Review. Communications in Computer and Information Science, 2006, , 127-135.	0.4	6
48	Architecting business process maps. Computer Science and Information Systems, 2020, 17, 117-139.	0.7	6
49	FMESP. , 2004, , .		5
50	Software generic measurement framework based on MDA. IEEE Latin America Transactions, 2008, 6, 363-370.	1.2	5
51	Model-Driven Software Measurement Framework: A Case Study. , 2009, , .		5
52	ArchiRevê”Reverse engineering of information systems toward ArchiMate models. An industrial case study. Journal of Software: Evolution and Process, 2021, 33, e2314.	1.2	5
53	Healthcare Process Development with BPMN. , 0, , 1024-1047.		5
54	Main Principles on the Integration of SOC and MDD Paradigms to Business Processes: A Systematic Review. Communications in Computer and Information Science, 2013, , 88-108.	0.4	5

#	ARTICLE	IF	CITATIONS
55	A Proposal and Empirical Validation of Metrics to Evaluate the Maintainability of Software Process Models. Conference Record - IEEE Instrumentation and Measurement Technology Conference, 2006, , .	0.0	4
56	An XMI-Based Repository for Software Process Meta-modeling. Lecture Notes in Computer Science, 2002, , 546-558.	1.0	4
57	Using XMI and MOF for representation and interchange of software process. , 0, , .		3
58	Maintainability of Software Process Models: An Empirical Study. , 0, , .		3
59	Assessment of Maintenance Maturity in IT Departments of Public Entities: Two Case Studies. Lecture Notes in Computer Science, 2001, , 86-97.	1.0	3
60	A reference model-driven Architecture linking Business Processes and Services. , 2018, , .		3
61	Environment for Managing Software Maintenance Projects. , 2003, , 255-291.		3
62	Towards Understanding Software Process Variability from Contextual Evidence of Change. Lecture Notes in Business Information Processing, 2013, , 417-431.	0.8	3
63	COMPETISOFT. , 0, , 212-222.		3
64	Towards a database body of knowledge. SIGMOD Record, 2003, 32, 48-53.	0.7	2
65	Adaptation of the standards ISO/IEC 12207:2002 and ISO/IEC 15504:2003 for the assessment of the software processes in developing countries. IEEE Latin America Transactions, 2006, 4, 85-92.	1.2	2
66	A COMPARISON OF EFFORT ESTIMATION METHODS FOR 4GL PROGRAMS: EXPERIENCES WITH STATISTICS AND DATA MINING. International Journal of Software Engineering and Knowledge Engineering, 2006, 16, 127-140.	0.6	2
67	Continuous Improvement of Business Processes Realized by Services Based on Execution Measurement. Communications in Computer and Information Science, 2013, , 64-81.	0.4	1
68	A method for transforming knowledge discovery metamodel to ArchiMate models. Software and Systems Modeling, 2022, 21, 311-336.	2.2	1
69	An Experimental Replica to Validate a Set of Metrics for Software Process Models. Lecture Notes in Computer Science, 2004, , 79-90.	1.0	1
70	EXECUTION MEASUREMENT-DRIVEN CONTINUOUS IMPROVEMENT OF BUSINESS PROCESSES IMPLEMENTED BY SERVICES. , 2011, , .		1
71	METRICS FOR SOFTWARE PROCESS MODELS. , 2005, , 273-310.		0
72	Software Generic Measurement Framework Based on MDA. IEEE Latin America Transactions, 2010, 8, 605-613.	1.2	0

#	ARTICLE	IF	CITATIONS
73	Metrics for Managing Quality in Information Modeling. , 2001, , 345-258.		0
74	Typology and Representation of Alterations in Territorial Units: A Proposal. Journal of Official Statistics, 2018, 34, 83-106.	0.1	0
75	An Experience in Modelling Business Process Architecture. Communications in Computer and Information Science, 2019, , 119-126.	0.4	0