

# Francisco Ruiz

## List of Publications by Year in descending order

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Version: 2024-02-01

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  | A method for transforming knowledge discovery metamodel to ArchiMate models. <i>Software and Systems Modeling</i> , 2022, 21, 311-336.  | 2.2 | 1         |
| 2  | ArchiRevê”Reverse engineering of information systems toward ArchiMate models. An industrial case study. <i>Journal of Software: Evolution and Process</i> , 2021, 33, e2314.                  | 1.2 | 5         |
| 3  | A decision-making support system for Enterprise Architecture Modelling. <i>Decision Support Systems</i> , 2020, 131, 113249.  | 3.5 | 7         |
| 4  | Global software development governance: Challenges and solutions. <i>Journal of Software: Evolution and Process</i> , 2020, 32, e2266.  | 1.2 | 17        |
| 5  | Architecting business process maps. <i>Computer Science and Information Systems</i> , 2020, 17, 117-139.  | 0.7 | 6         |
| 6  | Enterprise Architecture. <i>IEEE Software</i> , 2019, 36, 12-19.  | 2.1 | 10        |
| 7  | A systematic mapping study on enterprise architecture mining. <i>Enterprise Information Systems</i> , 2019, 13, 675-718.  | 3.3 | 16        |
| 8  | An Experience in Modelling Business Process Architecture. <i>Communications in Computer and Information Science</i> , 2019, , 119-126.  | 0.4 | 0         |
| 9  | A reference model-driven Architecture linking Business Processes and Services. , 2018, , .  |     | 3         |
| 10 | Typology and Representation of Alterations in Territorial Units: A Proposal. <i>Journal of Official Statistics</i> , 2018, 34, 83-106.  | 0.1 | 0         |
| 11 | A case study about the improvement of business process models driven by indicators. <i>Software and Systems Modeling</i> , 2017, 16, 759-788.   | 2.2 | 15        |
| 12 | Enriching Decision Making with Data-Based Thresholds of Process-Related KPIs. <i>Lecture Notes in Computer Science</i> , 2017, , 193-209.   | 1.0 | 6         |
| 13 | An integrated approach based on execution measures for the continuous improvement of business processes realized by services. <i>Information and Software Technology</i> , 2014, 56, 134-162. | 3.0 | 37        |
| 14 | Continuous Improvement of Business Processes Realized by Services Based on Execution Measurement. <i>Communications in Computer and Information Science</i> , 2013, , 64-81.                  | 0.4 | 1         |
| 15 | Improving Quality of Business Process Models. <i>Communications in Computer and Information Science</i> , 2013, , 130-144.  | 0.4 | 6         |
| 16 | TOWARD A QUALITY FRAMEWORK FOR BUSINESS PROCESS MODELS. <i>International Journal of Cooperative Information Systems</i> , 2013, 22, 1350003.  | 0.6 | 18        |
| 17 | Main Principles on the Integration of SOC and MDD Paradigms to Business Processes: A Systematic Review. <i>Communications in Computer and Information Science</i> , 2013, , 88-108.           | 0.4 | 5         |
| 18 | Towards Understanding Software Process Variability from Contextual Evidence of Change. <i>Lecture Notes in Business Information Processing</i> , 2013, , 417-431.                             | 0.8 | 3         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | A study of the effectiveness of two threshold definition techniques. , 2012, , .  |     | 17        |
| 20 | Model transformations for Business-IT alignment. , 2012, , .  |     | 9         |
| 21 | A software maintenance methodology for small organizations: Agile_MANTEMA. Journal of Software: Evolution and Process, 2012, 24, 851-876.                                   | 1.2 | 13        |
| 22 | Quality indicators for business process models from a gateway complexity perspective. Information and Software Technology, 2012, 54, 1159-1174.                             | 3.0 | 60        |
| 23 | Software Generic Measurement Framework Based on MDA. IEEE Latin America Transactions, 2011, 9, 864-871.   | 1.2 | 6         |
| 24 | Graphical versus textual software measurement modelling: an empirical study. Software Quality Journal, 2011, 19, 201-233.   | 1.4 | 12        |
| 25 | Towards thresholds of control flow complexity measures for BPMN models. , 2011, , .   |     | 27        |
| 26 | 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        |
| 27 | EXECUTION MEASUREMENT-DRIVEN CONTINUOUS IMPROVEMENT OF BUSINESS PROCESSES IMPLEMENTED BY SERVICES. , 2011, , .  |     | 1         |
| 28 | Prediction of Business Process Model Quality Based on Structural Metrics. Lecture Notes in Computer Science, 2010, , 458-463.   | 1.0 | 17        |
| 29 | Towards an ontology for service oriented modeling supporting business processes. , 2010, , .  |     | 13        |
| 30 | Software Generic Measurement Framework Based on MDA. IEEE Latin America Transactions, 2010, 8, 605-613.   | 1.2 | 0         |
| 31 | From BPMN business process models to SoaML service models: A transformation-driven approach. , 2010, , .  |     | 17        |
| 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 | Quality Assessment of Business Process Models Based on Thresholds. Lecture Notes in Computer Science, 2010, , 78-95.  | 1.0 | 26        |
| 34 | Model-Driven Software Measurement Framework: A Case Study. , 2009, , .  |     | 5         |
| 35 | Effective use of ontologies in software measurement. Knowledge Engineering Review, 2009, 24, 23-40.   | 2.1 | 26        |
| 36 | Prediction Models for BPMN Usability and Maintainability. , 2009, , .   |     | 22        |

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|----|--|-----|-----------|
| 37 | Analysis and Validation of Control-Flow Complexity Measures with BPMN Process Models. Lecture Notes in Business Information Processing, 2009, , 58-70.   | 0.8 | 37        |
| 38 | Formal Definition of Measures for BPMN Models. Lecture Notes in Computer Science, 2009, , 285-306.   | 1.0 | 7         |
| 39 | Measurement and Maturity of Business Processes. , 2009, , 532-556.   |     | 7         |
| 40 | Implementation of the Business Process Modelling Notation (BPMN) in the modelling of anatomic pathology processes. Diagnostic Pathology, 2008, 3, S22.   | 0.9 | 46        |
| 41 | Software generic measurement framework based on MDA. IEEE Latin America Transactions, 2008, 6, 363-370.  | 1.2 | 5         |
| 42 | Managing software process measurement: A metamodel-based approach. Information Sciences, 2007, 177, 2570-2586.   | 4.0 | 53        |
| 43 | Software Process Improvement: The Competisoft Project. Computer, 2007, 40, 21-28.  | 1.2 | 84        |
| 44 | 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         |
| 45 | Evaluation measures for business process models. , 2006, , .   |     | 29        |
| 46 | Applying a framework for the improvement of software process maturity. Software - Practice and Experience, 2006, 36, 283-304.  | 2.5 | 11        |
| 47 | Towards a consistent terminology for software measurement. Information and Software Technology, 2006, 48, 631-644.   | 3.0 | 132       |
| 48 | FMESP: Framework for the modeling and evaluation of software processes. Journal of Systems Architecture, 2006, 52, 627-639.  | 2.5 | 22        |
| 49 | An ontological approach to describe the SQL:2003 object-relational features. Computer Standards and Interfaces, 2006, 28, 695-713.   | 3.8 | 18        |
| 50 | 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         |
| 51 | Using Ontologies in Software Engineering and Technology. , 2006, , 49-102.   |     | 69        |
| 52 | 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         |
| 53 | MDE for BPM: A Systematic Review. Communications in Computer and Information Science, 2006, , 127-135.   | 0.4 | 6         |
| 54 | Applying Software Metrics to evaluate Business Process Models. CLEI Electronic Journal, 2006, 9, .   | 0.2 | 33        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 55 | METRICS FOR SOFTWARE PROCESS MODELS. , 2005, , 273-310.  |     | 0         |
| 56 | A family of experiments to validate metrics for software process models. Journal of Systems and Software, 2005, 77, 113-129.   | 3.3 | 62        |
| 57 | AN ONTOLOGY FOR THE MANAGEMENT OF SOFTWARE MAINTENANCE PROJECTS. International Journal of Software Engineering and Knowledge Engineering, 2004, 14, 323-349.           | 0.6 | 64        |
| 58 | FMESP. , 2004, , .   |     | 5         |
| 59 | Definition and Empirical Validation of Metrics for Software Process Models. Lecture Notes in Computer Science, 2004, , 146-158.  | 1.0 | 7         |
| 60 | An Experimental Replica to Validate a Set of Metrics for Software Process Models. Lecture Notes in Computer Science, 2004, , 79-90.                                    | 1.0 | 1         |
| 61 | Towards a database body of knowledge. SIGMOD Record, 2003, 32, 48-53.  | 0.7 | 2         |
| 62 | Integrated Measurement for the Evaluation and Improvement of Software Processes. Lecture Notes in Computer Science, 2003, , 94-111.                                    | 1.0 | 9         |
| 63 | Environment for Managing Software Maintenance Projects. , 2003, , 255-291.   |     | 3         |
| 64 | Generating three-tier applications from relational databases: a formal and practical approach. Information and Software Technology, 2002, 44, 923-941.                 | 3.0 | 23        |
| 65 | Using a qualitative research method for building a software maintenance methodology. Software - Practice and Experience, 2002, 32, 1239-1260.                          | 2.5 | 23        |
| 66 | An XMI-Based Repository for Software Process Meta-modeling. Lecture Notes in Computer Science, 2002, , 546-558.  | 1.0 | 4         |
| 67 | Assessment of Maintenance Maturity in IT Departments of Public Entities: Two Case Studies. Lecture Notes in Computer Science, 2001, , 86-97.                           | 1.0 | 3         |
| 68 | Metrics for Managing Quality in Information Modeling. , 2001, , 345-258.   |     | 0         |
| 69 | 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        |
| 70 | MANTEMA: a software maintenance methodology based on the ISO/IEC 12207 standard. , 0, , .  |     | 7         |
| 71 | Using code metrics to predict maintenance of legacy programs: a case study. , 0, , .   |     | 20        |
| 72 | Using XMI and MOF for representation and interchange of software process. , 0, , .   |     | 3         |

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|----|--|----|-----------|
| 73 | Maintainability of Software Process Models: An Empirical Study. , 0, , . |    | 3         |
| 74 | Healthcare Process Development with BPMN. , 0, , 1024-1047.              |    | 5         |
| 75 | COMPETISOFT. , 0, , 212-222.   |    | 3         |