# Sergio EspaÃ±a

## List of Publications by Year
in descending order

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|---|---|---|---|
| **61**<br>papers | **604**<br>citations | 932766<br>**10**<br>h-index | 676716<br>**22**<br>g-index |
| **64**<br>all docs | **64**<br>docs citations | **64**<br>times ranked | **417**<br>citing authors |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 1 | How Effective Is Automated Trace Link Recovery in Model-Driven Development?. Lecture Notes in Computer Science, 2022, , 35-51. | 1.0 | 5 |
| 2 | Assessing the Ethical, Social and Environmental Performance of Conferences. Lecture Notes in Business Information Processing, 2022, , 752-760. | 0.8 | 1 |
| 3 | 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 |
| 4 | 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 |
| 5 | Empirical validation of a quality framework for evaluating modelling languages in MDE environments. Software Quality Journal, 2021, 29, 275-307. | 1.4 | 2 |
| 6 | Human Sustainability in Software Development. , 2021, , 329-348. | | 0 |
| 7 | Decision Support for Blockchain Platform Selection: Three Industry Case Studies. IEEE Transactions on Engineering Management, 2020, 67, 1109-1128. | 2.4 | 99 |
| 8 | A method to evaluate quality of modelling languages based on the Zachman reference taxonomy. Software Quality Journal, 2019, 27, 1239-1269. | 1.4 | 3 |
| 9 | Model-driven engineering support for social and environmental accounting. , 2019, , . | | 6 |
| 10 | 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 |
| 11 | Considerations about quality in model-driven engineering. Software Quality Journal, 2018, 26, 685-750. | 1.4 | 11 |
| 12 | 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 |
| 13 | Capability Support for Entrepreneurial Ventures. , 2018, , 311-325. | | 0 |
| 14 | Business Model Exploration for Software Defined Networks. Lecture Notes in Business Information Processing, 2017, , 99-112. | 0.8 | 2 |
| 15 | Extending and validating gestUI using technical action research. , 2017, , . | | 0 |
| 16 | Exploratory usability evaluation of the capability-design tool. , 2017, , . | | 0 |
| 17 | LightCDD: Application of a Capability-Driven Development Method for Start-ups Development. Complex Systems Informatics and Modeling Quarterly, 2017, , 53-74. | 0.5 | 2 |
| 18 | Front cover contents. , 2016, , . | | 0 |

| # | ARTICLE | IF | CITATIONS |
|---|---------|----|-----------| 
| 19 | LightCDD: A Lightweight Capability-Driven Development Method for Start-Ups. Lecture Notes in Business Information Processing, 2016, , 15-26. | 0.8 | 4 |
| 20 | Tailoring User Interfaces to Include Gesture-Based Interaction with gestUI. Lecture Notes in Computer Science, 2016, , 496-504. | 1.0 | 0 |
| 21 | Responsible software: A research agenda to help enterprises become more sustainable. , 2016, , . | | 1 |
| 22 | 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 |
| 23 | Learning Pros and Cons of Model-Driven Development in a Practical Teaching Experience. Lecture Notes in Computer Science, 2016, , 218-227. | 1.0 | 0 |
| 24 | 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 |
| 25 | 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 |
| 26 | 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 |
| 27 | Including multi-stroke gesture-based interaction in user interfaces using a model-driven method. , 2015, , . | | 2 |
| 28 | Capability Driven Development: An Approach to Designing Digital Enterprises. Business and Information Systems Engineering, 2015, 57, 15-25. | 4.0 | 102 |
| 29 | GoBIS: An integrated framework to analyse the goal and business process perspectives in information systems. Information Systems, 2015, 53, 330-345. | 2.4 | 16 |
| 30 | Modelling language quality evaluation in model-driven information systems engineering: A roadmap. , 2015, , . | | 7 |
| 31 | A GUI modeling language for mobile applications. , 2015, , . | | 6 |
| 32 | 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 |
| 33 | Conciliating Model-Driven Engineering with Technical Debt Using a Quality Framework. Lecture Notes in Business Information Processing, 2015, , 199-214. | 0.8 | 7 |
| 34 | Integrating the Goal and Business Process Perspectives in Information System Analysis. Lecture Notes in Computer Science, 2014, , 332-346. | 1.0 | 10 |
| 35 | Analysing the concept of quality in model-driven engineering literature: A systematic review. , 2014, , . | | 11 |
| 36 | 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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|---|---------|-----|-----------|
| 37 | Supporting organisational evolution by means of model-driven reengineering frameworks. , 2013, , . | | 4 |
| 38 | From Requirements to Code: A Full Model-Driven Development Perspective. Communications in Computer and Information Science, 2013, , 56-70. | 0.4 | 2 |
| 39 | Multi-level Autonomic Business Process Management. Lecture Notes in Business Information Processing, 2013, , 184-198. | 0.8 | 7 |
| 40 | EERMM: A Metamodel for the Enhanced Entity-Relationship Model. Lecture Notes in Computer Science, 2012, , 515-524. | 1.0 | 9 |
| 41 | Model-driven organisational reengineering A framework to support organisational improvement. , 2012, , . | | 2 |
| 42 | A Multi Level Approach to Autonomic Business Process. , 2012, , . | | 0 |
| 43 | Systematic derivation of conceptual models from requirements models: A controlled experiment. , 2012, , . | | 6 |
| 44 | Full Model-Driven Practice: From Requirements to Code Generation. Notes on Numerical Fluid Mechanics and Multidisciplinary Design, 2012, , 701-702. | 0.2 | 2 |
| 45 | Systematic derivation of state machines from communication-oriented business process models. , 2011, , . | | 5 |
| 46 | Systematic Derivation of Class Diagrams from Communication-Oriented Business Process Models. Lecture Notes in Business Information Processing, 2011, , 246-260. | 0.8 | 15 |
| 47 | An empirical comparative evaluation of requirements engineering methods. Journal of the Brazilian Computer Society, 2010, 16, 3-19. | 0.8 | 18 |
| 48 | Unity criteria for Business Process Modelling. , 2009, , . | | 13 |
| 49 | Evaluating the Completeness and Granularity of Functional Requirements Specifications: A Controlled Experiment. , 2009, , . | | 21 |
| 50 | Communication Analysis: A Requirements Engineering Method for Information Systems. Notes on Numerical Fluid Mechanics and Multidisciplinary Design, 2009, , 530-545. | 0.2 | 30 |
| 51 | Model-Driven Development. Informatik-Spektrum, 2008, 31, 394-407. | 1.0 | 41 |
| 52 | An Ontological-Based Approach to Analyze Software Production Methods. Lecture Notes in Business Information Processing, 2008, , 258-270. | 0.8 | 4 |
| 53 | Dealing with Usability in Model Transformation Technologies. Lecture Notes in Computer Science, 2008, , 498-511. | 1.0 | 14 |
| 54 | Integrating Business Domain Ontologies with Early Requirements Modelling. Lecture Notes in Computer Science, 2008, , 282-291. | 1.0 | 8 |

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| 55 | Towards a Communicational Perspective for Enterprise Information Systems Modelling. Lecture Notes in Business Information Processing, 2008, , 62-76. | 0.8 | 1 |
| 56 | Conceptual Alignment of Software Production Methods. , 2007, , 209-228. | | 7 |
| 57 | The Beautification Process in Model-Driven Engineering of User Interfaces. Lecture Notes in Computer Science, 2007, , 411-425. | 1.0 | 8 |
| 58 | Integrating Model-Based and Task-Based Approaches to User Interface Generation. , 2007, , 253-260. | | 3 |
| 59 | Towards a Holistic Conceptual Modelling-Based Software Development Process. Lecture Notes in Computer Science, 2006, , 437-450. | 1.0 | 2 |
| 60 | Linking requirements specification with interaction design and implementation. , 0, , 123-133. | | 0 |
| 61 | A Comparative Analysis of Green ICT Maturity Models. , 0, , . | | 1 |