# Filomena Ferrucci

List of Publications by Year
in descending order



| 94 | 1,785 | 430874 18 | 434195 31 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 96 | 96 | 96 | 1094 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | The Secret Life of Software Vulnerabilities: A Large-Scale Empirical Study. IEEE Transactions on Software Engineering, 2023, 49, 44-63. | 5.6 | 20 |
| 2 | Software testing and Android applications: a large-scale empirical study. Empirical Software Engineering, 2022, 27, 1. | 3.9 | 9 |
| 3 | Good Fences Make Good Neighbours? On the Impact of Cultural and Geographical Dispersion on Community Smells. , 2022, , . | | 5 |
| 4 | Toward static test flakiness prediction: a feasibility study. , 2021, , . | | 10 |
| 5 | Design and automation of a COSMIC measurement procedure based on UML models. Software and Systems Modeling, 2020, 19, 171-198. | 2.7 | 7 |
| 6 | Improving change prediction models with code smell-related information. Empirical Software Engineering, 2020, 25, 49-95. | 3.9 | 34 |
| 7 | Third-party libraries in mobile apps. Empirical Software Engineering, 2020, 25, 2341-2377. | 3.9 | 16 |
| 8 | Gender Diversity and Community Smells: Insights From the Trenches. IEEE Software, 2020, 37, 10-16. | 1.8 | 27 |
| 9 | Run-time conflict detection in visual language parsing. Journal of Computer Languages, 2020, 57, 100943. | 2.1 | 0 |
| 10 | Assessing the effectiveness of approximate functional sizing approaches for effort estimation. Information and Software Technology, 2020, 123, 106308. | 4.4 | 8 |
| 11 | A container-based infrastructure for fuzzy-driven root causing of flaky tests. , 2020, , . | | 15 |
| 12 | Testing of Mobile Applications in the Wild. , 2020, , . | | 17 |
| 13 | Cross-Project Just-in-Time Bug Prediction for Mobile Apps: An Empirical Assessment. , 2019, , . | | 32 |
| 14 | Not all bugs are the same: Understanding, characterizing, and classifying bug types. Journal of Systems and Software, 2019, 152, 165-181. | 4.5 | 67 |
| 15 | An extensive evaluation of ensemble techniques for software change prediction. Journal of Software: Evolution and Process, 2019, 31, e2156. | 1.6 | 24 |
| 16 | How the Experience of Development Teams Relates to Assertion Density of Test Classes. , 2019, , . | | 17 |
| 17 | Speed up genetic algorithms in the cloud using software containers. Future Generation Computer Systems, 2019, 92, 276-289. | 7.5 | 40 |
| 18 | Can Expert Opinion Improve Effort Predictions When Exploiting Cross-Company Datasets? - A Case Study in a Small/Medium Company. Lecture Notes in Computer Science, 2019, , 280-295. | 1.3 | 1 |

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| 19 | Using Hadoop MapReduce for Parallel Genetic Algorithms: A Comparison of the Global, Grid and Island Models. Evolutionary Computation, 2018, 26, 535-567. | 3.0 | 30 |
| 20 | Do developers update third-party libraries in mobile apps?. , 2018, , . | | 30 |
| 21 | Definition and evaluation of a COSMIC measurement procedure for sizing Web applications in a model-driven development environment. Information and Software Technology, 2018, 104, 144-161. | 4.4 | 10 |
| 22 | Enhancing change prediction models using developer-related factors. Journal of Systems and Software, 2018, 143, 14-28. | 4.5 | 49 |
| 23 | Ensemble techniques for software change prediction: A preliminary investigation. , 2018, , . | | 13 |
| 24 | Adaptive Multi-Objective Evolutionary Algorithms for Overtime Planning in Software Projects. IEEE Transactions on Software Engineering, 2017, 43, 898-917. | 5.6 | 34 |
| 25 | A study on the statistical convertibility of IFPUG Function Point, COSMIC Function Point and Simple Function Point. Information and Software Technology, 2017, 86, 1-19. | 4.4 | 13 |
| 26 | Using COSMIC for the Functional Size Measurement of Distributed Applications in Cloud Environments. Computer Communications and Networks, 2017, , 43-58. | 0.8 | 2 |
| 27 | A Set of Metrics for the Effort Estimation of Mobile Apps. , 2017, , . | | 10 |
| 28 | Recommending and Localizing Change Requests for Mobile Apps Based on User Reviews. , 2017, , . | | 105 |
| 29 | Towards evolutionary machine learning comparison, competition, and collaboration with a multi-cloud platform. , 2017, , . | | 4 |
| 30 | Developer-Related Factors in Change Prediction: An Empirical Assessment. , 2017, , . | | 15 |
| 31 | Develop, Deploy and Execute Parallel Genetic Algorithms in the Cloud. , 2016, , . | | 15 |
| 32 | Simple function points for effort estimation. , 2016, , . | | 5 |
| 33 | elephant56. , 2016, , . | | 12 |
| 34 | Web Effort Estimation: Function Point Analysis vs. COSMIC. Information and Software Technology, 2016, 72, 90-109. | 4.4 | 32 |
| 35 | Towards Automatic Service Level Agreements Information Extraction. , 2016, , . | | 4 |
| 36 | Investigating Functional and Code Size Measures for Mobile Applications. , 2015, , . | | 14 |

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| 37 | How to Make Best Use of Cross-Company Data for Web Effort Estimation?. , 2015, , . | | 18 |
| 38 | From Function Points to COSMIC - A Transfer Learning Approach for Effort Estimation. Lecture Notes in Computer Science, 2015, , 251-267. | 1.3 | 3 |
| 39 | A parallel genetic algorithms framework based on Hadoop MapReduce. , 2015, , . | | 13 |
| 40 | COSMIC functional measurement of mobile applications and code size estimation. , 2015, , . | | 17 |
| 41 | Investigating Functional and Code Size Measures for Mobile Applications: A Replicated Study. Lecture Notes in Computer Science, 2015, , 271-287. | 1.3 | 12 |
| 42 | Approximate COSMIC Size: The Quick/Early Method. , 2014, , . | | 6 |
| 43 | Conversion from IFPUG FPA to COSMIC: Within-vs Without-Company Equations. , 2014, , . | | 4 |
| 44 | Search-Based Software Project Management. , 2014, , 373-399. | | 26 |
| 45 | Cross- vs. within-company cost estimation studies revisited. , 2014, , . | | 19 |
| 46 | Cloud Forensic Readiness: Foundations. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2014, , 237-244. | 0.3 | 12 |
| 47 | Using tabu search to configure support vector regression for effort estimation. Empirical Software Engineering, 2013, 18, 506-546. | 3.9 | 63 |
| 48 | A Lean Approach to Estimate the Functional Size of Operating Applications. , 2013, , . | | 1 |
| 49 | Not going to take this anymore: Multi-objective overtime planning for Software Engineering projects. , 2013, , . | | 31 |
| 50 | Approximate COSMIC Size to Early Estimate Web Application Development Effort. , 2013, , . | | 10 |
| 51 | Web effort estimation. , 2012, , . | | 17 |
| 52 | Single and Multi Objective Genetic Programming for software development effort estimation. , 2012, , . | | 19 |
| 53 | A Parallel Genetic Algorithm Based on Hadoop MapReduce for the Automatic Generation of JUnit Test Suites. , 2012, , . | | 53 |
| 54 | A Case Study on the Conversion of Function Points into COSMIC. , 2011, , . | | 5 |

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|---|---|---|---|
| 55 | Investigating the use of Support Vector Regression for web effort estimation. Empirical Software Engineering, 2011, 16, 211-243. | 3.9 | 34 |
| 56 | Spatial OnLine Analytical Processing of Geographic Data through the Google Earth Interface. Studies in Computational Intelligence, 2011, , 163-182. | 0.9 | 7 |
| 57 | Using Web Objects for Development Effort Estimation of Web Applications: A Replicated Study. Lecture Notes in Computer Science, 2011, , 186-201. | 1.3 | 5 |
| 58 | A Genetic Algorithm to Configure Support Vector Machines for Predicting Fault-Prone Components. Lecture Notes in Computer Science, 2011, , 247-261. | 1.3 | 42 |
| 59 | How Multi-Objective Genetic Programming Is Effective for Software Development Effort Estimation?. Lecture Notes in Computer Science, 2011, , 274-275. | 1.3 | 5 |
| 60 | Genetic Programming for Effort Estimation: An Analysis of the Impact of Different Fitness Functions. , 2010, , . | | 50 |
| 61 | Using Support Vector Regression for Web Development Effort Estimation. Lecture Notes in Computer Science, 2009, , 255-271. | 1.3 | 5 |
| 62 | Estimating Web Application Development Effort Using Web-COBRA and COSMIC: An Empirical Study. , 2009, , . | | 9 |
| 63 | Integrating Google Earth within OLAP Tools for Multidimensional Exploration and Analysis of Spatial Data. Lecture Notes in Business Information Processing, 2009, , 940-951. | 1.0 | 18 |
| 64 | Using Tabu Search to Estimate Software Development Effort. Lecture Notes in Computer Science, 2009, , 307-320. | 1.3 | 15 |
| 65 | An Empirical Study on the Use of Web-COBRA and Web Objects to Estimate Web Application Development Effort. Lecture Notes in Computer Science, 2009, , 213-220. | 1.3 | 3 |
| 66 | Automatic Generation of an Adaptive WebGIS. Lecture Notes in Computer Science, 2009, , 171-186. | 1.3 | 5 |
| 67 | Cross-company vs. single-company web effort models using the Tukutuku database: An extended study. Journal of Systems and Software, 2008, 81, 673-690. | 4.5 | 33 |
| 68 | Assessing the usability of a visual tool for the definition of e-learning processes. Journal of Visual Languages and Computing, 2008, 19, 721-737. | 1.8 | 7 |
| 69 | Embedding Google Maps APIs into WebRatio for the Automatic Generation of Web GIS Applications. Lecture Notes in Computer Science, 2008, , 259-270. | 1.3 | 5 |
| 70 | A Simulation Environment to Assess Driving Performances while Interacting with On-board Telematics Systems. Lecture Notes in Business Information Processing, 2008, , 439-451. | 1.0 | 0 |
| 71 | Logging and Analyzing Userâ€™s Interactions in Web Portals. Lecture Notes in Business Information Processing, 2008, , 213-229. | 1.0 | 2 |
| 72 | Effort estimation. , 2007, , . | | 18 |

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| 73 | Towards a framework for mining and analysing spatioâ€temporal datasets. International Journal of Geographical Information Science, 2007, 21, 895-906. | 4.8 | 35 |
| 74 | Comparing Size Measures for Predicting Web Application Development Effort: A Case Study. , 2007, , . | | 21 |
| 75 | eWorkbook. International Journal of Distance Education Technologies, 2007, 5, 24-41. | 2.9 | 9 |
| 76 | Exploratory spatio-temporal data mining and visualization. Journal of Visual Languages and Computing, 2007, 18, 255-279. | 1.8 | 114 |
| 77 | A SCORM Thin Client Architecture for E-Learning Systems Based on Web Services. International Journal of Distance Education Technologies, 2007, 5, 19-36. | 2.9 | 22 |
| 78 | A WebML-Based Approach for the Development of Web GIS Applications. Lecture Notes in Computer Science, 2007, , 385-397. | 1.3 | 4 |
| 79 | A Replicated Study Comparing Web Effort Estimation Techniques. Lecture Notes in Computer Science, 2007, , 423-435. | 1.3 | 1 |
| 80 | Effort estimation modeling techniques. , 2006, , . | | 35 |
| 81 | Constructing meta-CASE workbenches by exploiting visual language generators. IEEE Transactions on Software Engineering, 2006, 32, 156-175. | 5.6 | 14 |
| 82 | Adding symbolic information to picture models: definitions and properties. Theoretical Computer Science, 2005, 337, 51-104. | 0.9 | 10 |
| 83 | Visual Language-Based System for Designing and Presenting E-Learning Courses. International Journal of Distance Education Technologies, 2005, 3, 1-19. | 2.9 | 3 |
| 84 | Class point: an approach for the size estimation of object-oriented systems. IEEE Transactions on Software Engineering, 2005, 31, 52-74. | 5.6 | 86 |
| 85 | A COSMIC-FFP Based Method to Estimate Web Application Development Effort. Lecture Notes in Computer Science, 2004, , 161-165. | 1.3 | 3 |
| 86 | On regular drawn symbolic picture languages. Information and Computation, 2003, 187, 209-245. | 0.7 | 4 |
| 87 | Exploiting XPG for Visual Languages Definition, Analysis and Development. Electronic Notes in Theoretical Computer Science, 2003, 82, 612-627. | 0.9 | 0 |
| 88 | Symbolic Picture Languages and their Decidability and Complexity Properties. Journal of Visual Languages and Computing, 1999, 10, 381-419. | 1.8 | 4 |
| 89 | Semantics-based inference algorithms for adaptive visual environments. IEEE Transactions on Software Engineering, 1996, 22, 730-750. | 5.6 | 5 |
| 90 | Symbolâ€“Relation Grammars: A Formalism for Graphical Languages. Information and Computation, 1996, 131, 1-46. | 0.7 | 41 |

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| 91 | Non-redundant 2D strings. IEEE Transactions on Knowledge and Data Engineering, 1995, 7, 347-350. | 5.7 | 7 |
| 92 | Towards Migrating Genetic Algorithms for Test Data Generation to the Cloud. Advances in Computer and Electrical Engineering Book Series, 0, , 113-135. | 0.3 | 21 |
| 93 | SEAMAN. , 0, , 742-757. | | 0 |
| 94 | A User-Centered Methodology to Generate Visual Modeling Environments. , 0, , 219-226. | | 2 |