

# Lorenzo Bettini

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4541322/publications.pdf>

Version: 2024-02-01

78  
papers

1,113  
citations

687220

13  
h-index

477173

29  
g-index

80  
all docs

80  
docs citations

80  
times ranked

444  
citing authors

| #  | ARTICLE                                                                                                                                    | IF  | CITATIONS |
|----|--------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1  | Delta-Oriented Programming of Software Product Lines. Lecture Notes in Computer Science, 2010, , 77-91.                                    | 1.0 | 196       |
| 2  | Software diversity: state of the art and perspectives. International Journal on Software Tools for Technology Transfer, 2012, 14, 477-495. | 1.7 | 129       |
| 3  | Global Progress in Dynamically Interleaved Multiparty Sessions. Lecture Notes in Computer Science, 2008, , 418-433.                        | 1.0 | 116       |
| 4  | Klava: a Java package for distributed and mobile applications. Software - Practice and Experience, 2002, 32, 1365-1394.                    | 2.5 | 55        |
| 5  | The Klaim Project: Theory and Practice. Lecture Notes in Computer Science, 2003, , 88-150.                                                 | 1.0 | 53        |
| 6  | DeltaJ 1.5. , 2014, , .                                                                                                                    |     | 47        |
| 7  | Compositional type-checking for delta-oriented programming. , 2011, , .                                                                    |     | 46        |
| 8  | Compositional type checking of delta-oriented software product lines. Acta Informatica, 2013, 50, 77-122.                                  | 0.5 | 46        |
| 9  | Translating Strong Mobility into Weak Mobility. Lecture Notes in Computer Science, 2001, , 182-197.                                        | 1.0 | 25        |
| 10 | Implementing software product lines using traits. , 2010, , .                                                                              |     | 24        |
| 11 | TraitRecordJ : A programming language with traits and records. Science of Computer Programming, 2013, 78, 521-541.                         | 1.5 | 18        |
| 12 | An infrastructure language for open nets. , 2002, , .                                                                                      |     | 16        |
| 13 | Delegation by object composition. Science of Computer Programming, 2011, 76, 992-1014.                                                     | 1.5 | 14        |
| 14 | Implementing Session Centered Calculi. Lecture Notes in Computer Science, 2008, , 17-32.                                                   | 1.0 | 14        |
| 15 | X-Klaim and Klava. Electronic Notes in Theoretical Computer Science, 2002, 62, 24-37.                                                      | 0.9 | 13        |
| 16 | Mobile Distributed Programming in X-Klaim. Lecture Notes in Computer Science, 2005, , 29-68.                                               | 1.0 | 13        |
| 17 | Coordinating Mobile Object-Oriented Code. Lecture Notes in Computer Science, 2002, , 56-71.                                                | 1.0 | 13        |
| 18 | A typed lambda calculus with intersection types. Theoretical Computer Science, 2008, 398, 95-113.                                          | 0.5 | 11        |

| #  | ARTICLE                                                                                                                                                                                                                                                                                                                                                                                           | IF  | CITATIONS |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | On flexible dynamic trait replacement for Java -like languages. Science of Computer Programming, 2013, 78, 907-932.                                                                                                                                                                                                                                                                               | 1.5 | 11        |
| 20 | Extending Java to dynamic object behaviors <sup>1</sup> <sup>1</sup> This work has been partially supported by EU within the FET - Global Computing initiative, project AGILE IST-2001-32747 and by MIUR project NAPOLI. The funding bodies are not responsible for any use that might be made of the results presented here.. Electronic Notes in Theoretical Computer Science, 2003, 82, 33-52. | 0.9 | 10        |
| 21 | MOMI: a calculus for mobile mixins. Acta Informatica, 2005, 42, 143-190.                                                                                                                                                                                                                                                                                                                          | 0.5 | 10        |
| 22 | Featherweight wrap Java. , 2007, , .                                                                                                                                                                                                                                                                                                                                                              |     | 10        |
| 23 | Featherweight Java with dynamic and static overloading. Science of Computer Programming, 2009, 74, 261-278.                                                                                                                                                                                                                                                                                       | 1.5 | 10        |
| 24 | Ôâ™Klaim: AÂCoordination Language with Mobile Mixins. Lecture Notes in Computer Science, 2004, , 20-37.                                                                                                                                                                                                                                                                                           | 1.0 | 9         |
| 25 | Safe and Flexible Objects with Subtyping.. Journal of Object Technology, 2005, 4, 5.                                                                                                                                                                                                                                                                                                              | 0.8 | 9         |
| 26 | A DSL for writing type systems for Xtext languages. , 2011, , .                                                                                                                                                                                                                                                                                                                                   |     | 8         |
| 27 | Implementing type-safe software product lines using parametric traits. Science of Computer Programming, 2015, 97, 282-308.                                                                                                                                                                                                                                                                        | 1.5 | 8         |
| 28 | A Java Middleware for Guaranteeing Privacy of Distributed Tuple Spaces. Lecture Notes in Computer Science, 2003, , 175-184.                                                                                                                                                                                                                                                                       | 1.0 | 8         |
| 29 | Structured nets in KLAIM. , 2000, , .                                                                                                                                                                                                                                                                                                                                                             |     | 7         |
| 30 | A core calculus of higher-order mixins and classes. , 2004, , .                                                                                                                                                                                                                                                                                                                                   |     | 7         |
| 31 | Implementing Java-like languages in Xtext with Xsemantics. , 2013, , .                                                                                                                                                                                                                                                                                                                            |     | 7         |
| 32 | Implementing type systems for the IDE with Xsemantics. Journal of Logical and Algebraic Methods in Programming, 2016, 85, 655-680.                                                                                                                                                                                                                                                                | 0.4 | 7         |
| 33 | Session and Union Types for Object Oriented Programming. Lecture Notes in Computer Science, 2008, , 659-680.                                                                                                                                                                                                                                                                                      | 1.0 | 7         |
| 34 | A core calculus of mixins and incomplete objects. , 2004, , .                                                                                                                                                                                                                                                                                                                                     |     | 6         |
| 35 | Double dispatch in C++. Software - Practice and Experience, 2006, 36, 581-613.                                                                                                                                                                                                                                                                                                                    | 2.5 | 6         |
| 36 | A trait based re-engineering technique for Java hierarchies. , 2008, , .                                                                                                                                                                                                                                                                                                                          |     | 6         |

| #  | ARTICLE                                                                                                                                             | IF  | CITATIONS |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | Combining traits with boxes and ownership types in a Java-like setting. <i>Science of Computer Programming</i> , 2013, 78, 218-247.                 | 1.5 | 6         |
| 38 | A Flexible and Modular Framework for Implementing Infrastructures for Global Computing. <i>Lecture Notes in Computer Science</i> , 2005, , 181-193. | 1.0 | 6         |
| 39 | On Multiple Inheritance in Java. <i>Kluwer International Series in Engineering and Computer Science</i> , 2003, , 1-15.                             | 0.2 | 6         |
| 40 | Java--Meets Eclipse - An IDE for Teaching Java Following the Object-later Approach. , 2015, , .                                                     |     | 6         |
| 41 | Featherweight Wrap Java: wrapping objects and methods.. <i>Journal of Object Technology</i> , 2008, 7, 5.                                           | 0.8 | 6         |
| 42 | X-Klaim Is Back. <i>Lecture Notes in Computer Science</i> , 2019, , 115-135.                                                                        | 1.0 | 6         |
| 43 | A Software Framework for Rapid Prototyping of Run-Time Systems for Mobile Calculi. <i>Lecture Notes in Computer Science</i> , 2005, , 179-207.      | 1.0 | 5         |
| 44 | Approaches and Tools for Implementing Type Systems in Xtext. <i>Lecture Notes in Computer Science</i> , 2013, , 392-412.                            | 1.0 | 5         |
| 45 | A prototypical Java-like language with records and traits. , 2010, , .                                                                              |     | 5         |
| 46 | Type safe dynamic object delegation in class-based languages. , 2008, , .                                                                           |     | 4         |
| 47 | Generic traits for the Java platform. , 2014, , .                                                                                                   |     | 4         |
| 48 | Formalizing Properties of Mobile Agent Systems. <i>Lecture Notes in Computer Science</i> , 2002, , 72-87.                                           | 1.0 | 4         |
| 49 | Object Incompleteness and Dynamic Composition in Java-Like Languages. <i>Lecture Notes in Business Information Processing</i> , 2008, , 198-217.    | 0.8 | 4         |
| 50 | Subtyping-Inheritance Conflicts: The Mobile Mixin Case. , 2004, , 451-464.                                                                          |     | 3         |
| 51 | Translating Double Dispatch into Single Dispatch. <i>Electronic Notes in Theoretical Computer Science</i> , 2005, 138, 59-78.                       | 0.9 | 3         |
| 52 | Safe and flexible objects. , 2005, , .                                                                                                              |     | 3         |
| 53 | Pure trait-based programming on the Java platform. , 2013, , .                                                                                      |     | 3         |
| 54 | A Java Package for Class and Mixin Mobility in a Distributed Setting. <i>Lecture Notes in Computer Science</i> , 2004, , 12-22.                     | 1.0 | 3         |

| #  | ARTICLE                                                                                                                                                      | IF  | CITATIONS |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 55 | A mechanism for flexible dynamic trait replacement. , 2009, , .                                                                                              |     | 3         |
| 56 | A Java Package for Transparent Code Mobility. Lecture Notes in Computer Science, 2005, , 112-122.                                                            | 1.0 | 3         |
| 57 | Modelling Node Connectivity in Dynamically Evolving Networks. Electronic Notes in Theoretical Computer Science, 2001, 54, 81-91.                             | 0.9 | 2         |
| 58 | Formulae Meet Programs Over the Net: A Framework for Correct Network Aware Programming. Automated Software Engineering, 2004, 11, 245-288.                   | 2.2 | 2         |
| 59 | Featherweight Java with multi-methods. , 2007, , .                                                                                                           |     | 2         |
| 60 | Implementing a Distributed Mobile Calculus Using the IMC Framework. Electronic Notes in Theoretical Computer Science, 2007, 181, 63-79.                      | 0.9 | 2         |
| 61 | Object reuse and behavior adaptation in Java-like languages. , 2011, , .                                                                                     |     | 2         |
| 62 | VDML4RS: a tool for reputation systems modeling and design. , 2016, , .                                                                                      |     | 2         |
| 63 | Type errors for the IDE with Xtext and Xsemantics. Open Computer Science, 2019, 9, 52-79.                                                                    | 1.3 | 2         |
| 64 | IJava: An Extension of Java with Incomplete Objects and Object Composition. Lecture Notes in Computer Science, 2009, , 27-44.                                | 1.0 | 2         |
| 65 | Writing Robotics Applications with X-Klaim. Lecture Notes in Computer Science, 2020, , 361-379.                                                              | 1.0 | 2         |
| 66 | Towards Object-Oriented Klaim. Electronic Notes in Theoretical Computer Science, 2002, 62, 38-51.                                                            | 0.9 | 1         |
| 67 | A Core Calculus of Higher-Order Mixins and Classes. Lecture Notes in Computer Science, 2004, , 83-98.                                                        | 1.0 | 1         |
| 68 | Dynamic overloading with copy semantics in object-oriented languages: a formal account. RAIRO - Theoretical Informatics and Applications, 2009, 43, 517-565. | 0.5 | 1         |
| 69 | Deriving session and union types for objects. Mathematical Structures in Computer Science, 2013, 23, 1163-1219.                                              | 0.5 | 1         |
| 70 | Xtraitj : Traits for the Java platform. Journal of Systems and Software, 2017, 131, 419-441.                                                                 | 3.3 | 1         |
| 71 | An Eclipse IDE for Teaching Javaâ€™. Communications in Computer and Information Science, 2016, , 63-78.                                                      | 0.4 | 1         |
| 72 | Safe Object Composition in the Presence of Subtyping. Lecture Notes in Computer Science, 2005, , 128-142.                                                    | 1.0 | 1         |

| #  | ARTICLE                                                                                                                       | IF  | CITATIONS |
|----|-------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 73 | A Safe Implementation of Dynamic Overloading in Java-Like Languages. Lecture Notes in Computer Science, 2010, , 455-462.      | 1.0 | 1         |
| 74 | Data Privacy in Tuple Space Based Mobile Agent Systems. Electronic Notes in Theoretical Computer Science, 2005, 128, 3-16.    | 0.9 | 0         |
| 75 | Timed buffers: A technique for update propagation in nomadic environments. Computer Communications, 2008, 31, 3209-3222.      | 3.1 | 0         |
| 76 | Artifact evaluation (summary)., 2013,, .                                                                                      |     | 0         |
| 77 | Jbase. , 2016,, .                                                                                                             |     | 0         |
| 78 | Rapidly Implementing EMF Applications with EMF Components. Communications in Computer and Information Science, 2013, , 52-65. | 0.4 | 0         |