# Eelco Visser

List of Publications by Year
in descending order

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|---|---|---|---|
| 124<br>papers | 3,071<br>citations | 279798<br>23<br>h-index | 265206<br>42<br>g-index |
| 128<br>all docs | 128<br>docs citations | 128<br>times ranked | 908<br>citing authors |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | Stratego/XT 0.17. A language and toolset for program transformation. Science of Computer Programming, 2008, 72, 52-70. | 1.9 | 250 |
| 2 | The spoofax language workbench. , 2010, , . | | 190 |
| 3 | Building program optimizers with rewriting strategies. , 1998, , . | | 141 |
| 4 | Stratego: A Language for Program Transformation Based on Rewriting Strategies System Description of Stratego 0.5. Lecture Notes in Computer Science, 2001, , 357-361. | 1.3 | 132 |
| 5 | Concrete syntax for objects. , 2004, , . | | 126 |
| 6 | Evaluating and comparing language workbenches. Computer Languages, Systems and Structures, 2015, 44, 24-47. | 1.4 | 122 |
| 7 | Program Transformation with Stratego/XT. Lecture Notes in Computer Science, 2004, , 216-238. | 1.3 | 118 |
| 8 | The State of the Art in Language Workbenches. Lecture Notes in Computer Science, 2013, , 197-217. | 1.3 | 92 |
| 9 | The spoofax language workbench. ACM SIGPLAN Notices, 2010, 45, 444-463. | 0.2 | 77 |
| 10 | Generation of formatters for context-free languages. ACM Transactions on Software Engineering and Methodology, 1996, 5, 1-41. | 6.0 | 75 |
| 11 | WebDSL: A Case Study in Domain-Specific Language Engineering. Lecture Notes in Computer Science, 2008, , 291-373. | 1.3 | 73 |
| 12 | Disambiguation Filters for Scannerless Generalized LR Parsers. Lecture Notes in Computer Science, 2002, , 143-158. | 1.3 | 71 |
| 13 | A survey of strategies in rule-based program transformation systems. Journal of Symbolic Computation, 2005, 40, 831-873. | 0.8 | 70 |
| 14 | Meta-programming with Concrete Object Syntax. Lecture Notes in Computer Science, 2002, , 299-315. | 1.3 | 63 |
| 15 | A Survey of Rewriting Strategies in Program Transformation Systems. Electronic Notes in Theoretical Computer Science, 2001, 57, 109-143. | 0.9 | 60 |
| 16 | Declaratively programming the mobile web with Mobl. , 2011, , . | | 45 |
| 17 | Product Line Engineering Using Domain-Specific Languages. , 2011, , . | | 43 |
| 18 | A Theory of Name Resolution. Lecture Notes in Computer Science, 2015, , 205-231. | 1.3 | 39 |

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| 19 | Code generation by model transformation: a case study in transformation modularity. Software and Systems Modeling, 2010, 9, 375-402. | 2.7 | 38 |
| 20 | Pure and declarative syntax definition. , 2010, , . | | 38 |
| 21 | Language Design with the Spoofax Language Workbench. IEEE Software, 2014, 31, 35-43. | 1.8 | 38 |
| 22 | A Core Language for Rewriting. Electronic Notes in Theoretical Computer Science, 1998, 15, 422-441. | 0.9 | 34 |
| 23 | Preventing injection attacks with syntax embeddings. , 2007, , . | | 34 |
| 24 | WebDSL. , 2008, , . | | 33 |
| 25 | Heterogeneous Coupled Evolution of Software Languages. Lecture Notes in Computer Science, 2008, , 630-644. | 1.3 | 32 |
| 26 | Building program optimizers with rewriting strategies. ACM SIGPLAN Notices, 1999, 34, 13-26. | 0.2 | 32 |
| 27 | A constraint language for static semantic analysis based on scope graphs. , 2016, , . | | 30 |
| 28 | Stratego/XT 0.16. , 2006, , . | | 29 |
| 29 | A Language Designer's Workbench. , 2014, , . | | 28 |
| 30 | Generalized Type-Based Disambiguation of Meta Programs with Concrete Object Syntax. Lecture Notes in Computer Science, 2005, , 157-172. | 1.3 | 27 |
| 31 | Declarative, formal, and extensible syntax definition for aspectJ. , 2006, , . | | 25 |
| 32 | Intrinsically-typed definitional interpreters for imperative languages. , 2018, 2, 1-34. | | 25 |
| 33 | Concrete syntax for objects. ACM SIGPLAN Notices, 2004, 39, 365-383. | 0.2 | 24 |
| 34 | MetaBorg in Action: Examples of Domain-Specific Language Embedding and Assimilation Using Stratego/XT. Lecture Notes in Computer Science, 2006, , 297-311. | 1.3 | 24 |
| 35 | Declarative Name Binding and Scope Rules. Lecture Notes in Computer Science, 2013, , 311-331. | 1.3 | 24 |
| 36 | Code Generation by Model Transformation. Lecture Notes in Computer Science, 2008, , 183-198. | 1.3 | 23 |

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| 37 | A pure embedding of attribute grammars. Science of Computer Programming, 2013, 78, 1752-1769. | 1.9 | 22 |
| 38 | Declarative Access Control for WebDSL: Combining Language Integration and Separation of Concerns. , 2008, , . | | 21 |
| 39 | Language extension and composition with language workbenches. , 2010, , . | | 21 |
| 40 | Static consistency checking of web applications with WebDSL. Journal of Symbolic Computation, 2011, 46, 150-182. | 0.8 | 21 |
| 41 | Growing a language environment with editor libraries. , 2011, , . | | 21 |
| 42 | Decorated Attribute Grammars: Attribute Evaluation Meets Strategic Programming. Lecture Notes in Computer Science, 2009, , 142-157. | 1.3 | 21 |
| 43 | Scopes as types. , 2018, 2, 1-30. | | 20 |
| 44 | Strategic Pattern Matching. Lecture Notes in Computer Science, 1999, , 30-44. | 1.3 | 20 |
| 45 | The Spoofax language workbench. , 2010, , . | | 19 |
| 46 | Providing rapid feedback in generated modular language environments. , 2009, , . | | 18 |
| 47 | Declarative specification of template-based textual editors. , 2012, , . | | 18 |
| 48 | Scoped Dynamic Rewrite Rules. Electronic Notes in Theoretical Computer Science, 2001, 59, 375-396. | 0.9 | 17 |
| 49 | A Pure Object-Oriented Embedding of Attribute Grammars. Electronic Notes in Theoretical Computer Science, 2010, 253, 205-219. | 0.9 | 17 |
| 50 | Composing Source-to-Source Data-Flow Transformations with Rewriting Strategies and Dependent Dynamic Rewrite Rules. Lecture Notes in Computer Science, 2005, , 204-220. | 1.3 | 17 |
| 51 | Reconstructing Complex Metamodel Evolution. Lecture Notes in Computer Science, 2012, , 201-221. | 1.3 | 17 |
| 52 | Natural and Flexible Error Recovery for Generated Modular Language Environments. ACM Transactions on Programming Languages and Systems, 2012, 34, 1-50. | 2.1 | 16 |
| 53 | A Language Independent Task Engine for Incremental Name and Type Analysis. Lecture Notes in Computer Science, 2013, , 260-280. | 1.3 | 16 |
| 54 | WebWorkFlow: An Object-Oriented Workflow Modeling Language for Web Applications. Lecture Notes in Computer Science, 2008, , 113-127. | 1.3 | 16 |

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| 55 | Preventing injection attacks with syntax embeddings. Science of Computer Programming, 2010, 75, 473-495. | 1.9 | 15 |
| 56 | Parse Table Composition. Lecture Notes in Computer Science, 2009, , 74-94. | 1.3 | 14 |
| 57 | Natural and Flexible Error Recovery for Generated Parsers. Lecture Notes in Computer Science, 2010, , 204-223. | 1.3 | 14 |
| 58 | Declaratively defining domain-specific language debuggers. , 2011, , . | | 13 |
| 59 | Robust Real-Time Synchronization between Textual and Graphical Editors. Lecture Notes in Computer Science, 2013, , 92-107. | 1.3 | 13 |
| 60 | Warm fusion in Stratego: A case study in generation of program transformation systems. Annals of Mathematics and Artificial Intelligence, 2000, 29, 1-34. | 1.3 | 12 |
| 61 | An Algorithm for Layout Preservation in Refactoring Transformations. Lecture Notes in Computer Science, 2012, , 40-59. | 1.3 | 12 |
| 62 | Grammar Engineering Support for Precedence Rule Recovery and Compatibility Checking. Electronic Notes in Theoretical Computer Science, 2008, 203, 85-101. | 0.9 | 11 |
| 63 | Software deployment in a dynamic cloud: From device to service orientation in a hospital environment. , 2009, , . | | 11 |
| 64 | Mixing source and bytecode. , 2008, , . | | 11 |
| 65 | Service configuration management. , 2005, , . | | 10 |
| 66 | Pure and declarative syntax definition. ACM SIGPLAN Notices, 2010, 45, 918-932. | 0.2 | 10 |
| 67 | Declaratively programming the mobile web with Mobl. ACM SIGPLAN Notices, 2011, 46, 695-712. | 0.2 | 10 |
| 68 | Integration of data validation and user interface concerns in a DSL for web applications. Software and Systems Modeling, 2013, 12, 35-52. | 2.7 | 10 |
| 69 | XT. Electronic Notes in Theoretical Computer Science, 2001, 44, 79-86. | 0.9 | 9 |
| 70 | Strategies for Source-to-Source Constant Propagation. Electronic Notes in Theoretical Computer Science, 2002, 70, 156-175. | 0.9 | 9 |
| 71 | Integrated language definition testing. , 2011, , . | | 9 |
| 72 | Principled syntactic code completion using placeholders. , 2016, , . | | 9 |

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| 73 | Multi-purpose Syntax Definition with SDF3. Lecture Notes in Computer Science, 2020, , 1-23. | 1.3 | 9 |
| 74 | Building Interpreters with Rewriting Strategies. Electronic Notes in Theoretical Computer Science, 2002, 65, 57-76. | 0.9 | 8 |
| 75 | Combining Aspect-Oriented and Strategic Programming. Electronic Notes in Theoretical Computer Science, 2006, 147, 5-30. | 0.9 | 8 |
| 76 | A language generic solution for name binding preservation in refactorings. , 2012, , . | | 8 |
| 77 | Fusing a Transformation Language with an Open Compiler. Electronic Notes in Theoretical Computer Science, 2008, 203, 21-36. | 0.9 | 7 |
| 78 | Separation of Concerns and Linguistic Integration in WebDSL. IEEE Software, 2010, 27, 31-37. | 1.8 | 7 |
| 79 | Automated evaluation of syntax error recovery. , 2012, , . | | 7 |
| 80 | Migrating custom DSL implementations to a language workbench (tool demo). , 2018, , . | | 7 |
| 81 | Retrofitting the AutoBayes Program Synthesis System with Concrete Syntax. Lecture Notes in Computer Science, 2004, , 239-253. | 1.3 | 7 |
| 82 | Designing Syntax Embeddings and Assimilations for Language Libraries. Lecture Notes in Computer Science, 2007, , 34-46. | 1.3 | 7 |
| 83 | The Third Rewrite Engines Competition. Lecture Notes in Computer Science, 2010, , 243-261. | 1.3 | 7 |
| 84 | Rewriting Strategies for Instruction Selection. Lecture Notes in Computer Science, 2002, , 237-251. | 1.3 | 7 |
| 85 | Providing rapid feedback in generated modular language environments. ACM SIGPLAN Notices, 2009, 44, 445-464. | 0.2 | 6 |
| 86 | Integrated language definition testing. ACM SIGPLAN Notices, 2011, 46, 139-154. | 0.2 | 6 |
| 87 | Generating database migrations for evolving web applications. , 2011, , . | | 6 |
| 88 | SugarJ. , 2011, , . | | 6 |
| 89 | Modular specification and dynamic enforcement of syntactic language constraints when generating code. , 2014, , . | | 6 |
| 90 | FlowSpec: declarative dataflow analysis specification. , 2017, , . | | 6 |

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| 91 | Generating Version Convertors for Domain-Specific Languages. , 2008, , . | | 5 |
| 92 | The Second Rewrite Engines Competition. Electronic Notes in Theoretical Computer Science, 2009, 238, 281-291. | 0.9 | 5 |
| 93 | Mobl. , 2011, , . | | 5 |
| 94 | PIL: A Platform Independent Language for Retargetable DSLs. Lecture Notes in Computer Science, 2010, , 224-243. | 1.3 | 5 |
| 95 | Fusing Logic and Control with Local Transformations. Electronic Notes in Theoretical Computer Science, 2001, 57, 144-162. | 0.9 | 4 |
| 96 | Library-based model-driven software development with SugarJ. , 2011, , . | | 4 |
| 97 | Testing domain-specific languages. , 2011, , . | | 4 |
| 98 | Declaratively defining domain-specific language debuggers. ACM SIGPLAN Notices, 2012, 47, 127-136. | 0.2 | 4 |
| 99 | Mixing source and bytecode. ACM SIGPLAN Notices, 2008, 43, 91-108. | 0.2 | 4 |
| 100 | Polymorphic syntax definition. Theoretical Computer Science, 1998, 199, 57-86. | 0.9 | 3 |
| 101 | Declarative, formal, and extensible syntax definition for aspectJ. ACM SIGPLAN Notices, 2006, 41, 209-228. | 0.2 | 3 |
| 102 | Domain-Specific Languages for Composable Editor Plugins. Electronic Notes in Theoretical Computer Science, 2010, 253, 149-163. | 0.9 | 3 |
| 103 | The spoofax name binding language. , 2012, , . | | 3 |
| 104 | Integration of Data Validation and User Interface Concerns in a DSL for Web Applications. Lecture Notes in Computer Science, 2010, , 164-173. | 1.3 | 3 |
| 105 | Gradually typing strategies. , 2020, , . | | 3 |
| 106 | Deep priority conflicts in the wild: a pilot study. , 2017, , . | | 2 |
| 107 | Declarative specification of indentation rules: a tooling perspective on parsing and pretty-printing layout-sensitive languages. , 2018, , . | | 2 |
| 108 | FlowSpec: A declarative specification language for intra-procedural flow-Sensitive data-flow analysis. Journal of Computer Languages, 2020, 57, 100924. | 2.1 | 2 |

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| 109 | Encapsulating Software Platform Logic by Aspect-Oriented Programming: A Case Study in Using Aspects for Language Portability. , 2010, , . | | 1 |
| 110 | Conf.Researchr.Org: towards a domain-specific content management system for managing large conference websites. , 2015, , . | | 1 |
| 111 | Understanding software through linguistic abstraction. Science of Computer Programming, 2015, 97, 11-16. | 1.9 | 1 |
| 112 | Bootstrapping domain-specific meta-languages in language workbenches. , 2016, , . | | 1 |
| 113 | Bootstrapping domain-specific meta-languages in language workbenches. ACM SIGPLAN Notices, 2017, 52, 47-58. | 0.2 | 1 |
| 114 | Generating database migrations for evolving web applications. ACM SIGPLAN Notices, 2012, 47, 83-92. | 0.2 | 1 |
| 115 | Towards language-parametric semantic editor services based on declarative type system specifications. , 2019, , . | | 1 |
| 116 | Weaving web applications with WebDSL. , 2009, , . | | 0 |
| 117 | Special issue on Partial Evaluation and Program Manipulation (selected papers from PEPM 2007). Science of Computer Programming, 2011, 76, 467-468. | 1.9 | 0 |
| 118 | Adding Concrete Syntax to a Prolog-Based Program Synthesis System. Lecture Notes in Computer Science, 2004, , 56-58. | 1.3 | 0 |
| 119 | ICMT 2011 Special Section.. Journal of Object Technology, 2012, 11, . | 0.9 | 0 |
| 120 | Weichmagnetische Keramiken. Werkstoffe Und Bauelemente Der Elektrotechnik, 1994, , 565-634. | 0.0 | 0 |
| 121 | Multi-Level Specifications. Amast Series in Computing, 1996, , 105-197. | 0.0 | 0 |
| 122 | The semantics of name resolution in grace. , 2017, , . | | 0 |
| 123 | The semantics of name resolution in grace. ACM SIGPLAN Notices, 2017, 52, 63-74. | 0.2 | 0 |
| 124 | Evolution of the WebDSL runtime: reliability engineering of the WebDSL web programming language. , 2020, , . | | 0 |