

Eelco Visser

List of Publications by Year in descending order

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Version: 2024-02-01

124
papers

3,071
citations

279798

23
h-index

265206

42
g-index

128
all docs

128
docs citations

128
times ranked

908
citing authors

#	ARTICLE	IF	CITATIONS
1	FlowSpec: A declarative specification language for intra-procedural flow-sensitive data-flow analysis. <i>Journal of Computer Languages</i> , 2020, 57, 100924.	2.1	2
2	Multi-purpose Syntax Definition with SDF3. <i>Lecture Notes in Computer Science</i> , 2020, , 1-23.	1.8	9
3	Evolution of the WebDSL runtime: reliability engineering of the WebDSL web programming language. , 2020, , .		0
4	Gradually typing strategies. , 2020, , .		3
5	Towards language-parametric semantic editor services based on declarative type system specifications. , 2019, , .		1
6	Intrinsically-typed definitional interpreters for imperative languages. , 2018, 2, 1-34.		25
7	Migrating custom DSL implementations to a language workbench (tool demo). , 2018, , .		7
8	Scopes as types. , 2018, 2, 1-30.		20
9	Declarative specification of indentation rules: a tooling perspective on parsing and pretty-printing layout-sensitive languages. , 2018, , .		2
10	FlowSpec: declarative dataflow analysis specification. , 2017, , .		6
11	Deep priority conflicts in the wild: a pilot study. , 2017, , .		2
12	Bootstrapping domain-specific meta-languages in language workbenches. <i>ACM SIGPLAN Notices</i> , 2017, 52, 47-58.	0.2	1
13	The semantics of name resolution in grace. , 2017, , .		0
14	The semantics of name resolution in grace. <i>ACM SIGPLAN Notices</i> , 2017, 52, 63-74.	0.2	0
15	Bootstrapping domain-specific meta-languages in language workbenches. , 2016, , .		1
16	Principled syntactic code completion using placeholders. , 2016, , .		9
17	A constraint language for static semantic analysis based on scope graphs. , 2016, , .		30
18	Conf.Researchr.Org: towards a domain-specific content management system for managing large conference websites. , 2015, , .		1

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19	Evaluating and comparing language workbenches. Computer Languages, Systems and Structures, 2015, 44, 24-47.	1.4	122
20	Understanding software through linguistic abstraction. Science of Computer Programming, 2015, 97, 11-16.	1.9	1
21	A Theory of Name Resolution. Lecture Notes in Computer Science, 2015, , 205-231.	1.3	39
22	A Language Designer's Workbench. , 2014, , .		28
23	Language Design with the Spoofox Language Workbench. IEEE Software, 2014, 31, 35-43.	1.8	38
24	Modular specification and dynamic enforcement of syntactic language constraints when generating code. , 2014, , .		6
25	A pure embedding of attribute grammars. Science of Computer Programming, 2013, 78, 1752-1769.	1.9	22
26	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
27	The State of the Art in Language Workbenches. Lecture Notes in Computer Science, 2013, , 197-217.	1.3	92
28	A Language Independent Task Engine for Incremental Name and Type Analysis. Lecture Notes in Computer Science, 2013, , 260-280.	1.3	16
29	Declarative Name Binding and Scope Rules. Lecture Notes in Computer Science, 2013, , 311-331.	1.3	24
30	Robust Real-Time Synchronization between Textual and Graphical Editors. Lecture Notes in Computer Science, 2013, , 92-107.	1.3	13
31	Natural and Flexible Error Recovery for Generated Modular Language Environments. ACM Transactions on Programming Languages and Systems, 2012, 34, 1-50.	2.1	16
32	The spoofox name binding language. , 2012, , .		3
33	Automated evaluation of syntax error recovery. , 2012, , .		7
34	Declarative specification of template-based textual editors. , 2012, , .		18
35	A language generic solution for name binding preservation in refactorings. , 2012, , .		8
36	Reconstructing Complex Metamodel Evolution. Lecture Notes in Computer Science, 2012, , 201-221.	1.3	17

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37	An Algorithm for Layout Preservation in Refactoring Transformations. Lecture Notes in Computer Science, 2012, , 40-59.	1.3	12
38	Generating database migrations for evolving web applications. ACM SIGPLAN Notices, 2012, 47, 83-92.	0.2	1
39	Declaratively defining domain-specific language debuggers. ACM SIGPLAN Notices, 2012, 47, 127-136.	0.2	4
40	ICMT 2011 Special Section.. Journal of Object Technology, 2012, 11, .	0.9	0
41	Integrated language definition testing. , 2011, , .		9
42	Integrated language definition testing. ACM SIGPLAN Notices, 2011, 46, 139-154.	0.2	6
43	Declaratively programming the mobile web with Mobl. ACM SIGPLAN Notices, 2011, 46, 695-712.	0.2	10
44	Special issue on Partial Evaluation and Program Manipulation (selected papers from PEPM 2007). Science of Computer Programming, 2011, 76, 467-468.	1.9	0
45	Static consistency checking of web applications with WebDSL. Journal of Symbolic Computation, 2011, 46, 150-182.	0.8	21
46	Library-based model-driven software development with Sugar . , 2011, , .		4
47	Generating database migrations for evolving web applications. , 2011, , .		6
48	Declaratively programming the mobile web with Mobl. , 2011, , .		45
49	Testing domain-specific languages. , 2011, , .		4
50	Mobl. , 2011, , .		5
51	Product Line Engineering Using Domain-Specific Languages. , 2011, , .		43
52	Declaratively defining domain-specific language debuggers. , 2011, , .		13
53	Growing a language environment with editor libraries. , 2011, , .		21
54	Sugar . , 2011, , .		6

#	ARTICLE	IF	CITATIONS
55	The spoofax language workbench. ACM SIGPLAN Notices, 2010, 45, 444-463.	0.2	77
56	Pure and declarative syntax definition. ACM SIGPLAN Notices, 2010, 45, 918-932.	0.2	10
57	Code generation by model transformation: a case study in transformation modularity. Software and Systems Modeling, 2010, 9, 375-402.	2.7	38
58	Preventing injection attacks with syntax embeddings. Science of Computer Programming, 2010, 75, 473-495.	1.9	15
59	Domain-Specific Languages for Composable Editor Plugins. Electronic Notes in Theoretical Computer Science, 2010, 253, 149-163.	0.9	3
60	A Pure Object-Oriented Embedding of Attribute Grammars. Electronic Notes in Theoretical Computer Science, 2010, 253, 205-219.	0.9	17
61	Encapsulating Software Platform Logic by Aspect-Oriented Programming: A Case Study in Using Aspects for Language Portability. , 2010, , .		1
62	The spoofax language workbench. , 2010, , .		190
63	Pure and declarative syntax definition. , 2010, , .		38
64	The Spoofax language workbench. , 2010, , .		19
65	Language extension and composition with language workbenches. , 2010, , .		21
66	Separation of Concerns and Linguistic Integration in WebDSL. IEEE Software, 2010, 27, 31-37.	1.8	7
67	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
68	Natural and Flexible Error Recovery for Generated Parsers. Lecture Notes in Computer Science, 2010, , 204-223.	1.3	14
69	PIL: A Platform Independent Language for Retargetable DSLs. Lecture Notes in Computer Science, 2010, , 224-243.	1.3	5
70	The Third Rewrite Engines Competition. Lecture Notes in Computer Science, 2010, , 243-261.	1.3	7
71	Weaving web applications with WebDSL. , 2009, , .		0
72	Providing rapid feedback in generated modular language environments. , 2009, , .		18

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73	The Second Rewrite Engines Competition. <i>Electronic Notes in Theoretical Computer Science</i> , 2009, 238, 281-291.	0.9	5
74	Software deployment in a dynamic cloud: From device to service orientation in a hospital environment. , 2009, , .		11
75	Providing rapid feedback in generated modular language environments. <i>ACM SIGPLAN Notices</i> , 2009, 44, 445-464.	0.2	6
76	Parse Table Composition. <i>Lecture Notes in Computer Science</i> , 2009, , 74-94.	1.3	14
77	Decorated Attribute Grammars: Attribute Evaluation Meets Strategic Programming. <i>Lecture Notes in Computer Science</i> , 2009, , 142-157.	1.3	21
78	Fusing a Transformation Language with an Open Compiler. <i>Electronic Notes in Theoretical Computer Science</i> , 2008, 203, 21-36.	0.9	7
79	Stratego/XT 0.17. A language and toolset for program transformation. <i>Science of Computer Programming</i> , 2008, 72, 52-70.	1.9	250
80	Grammar Engineering Support for Precedence Rule Recovery and Compatibility Checking. <i>Electronic Notes in Theoretical Computer Science</i> , 2008, 203, 85-101.	0.9	11
81	WebDSL: A Case Study in Domain-Specific Language Engineering. <i>Lecture Notes in Computer Science</i> , 2008, , 291-373.	1.3	73
82	Code Generation by Model Transformation. <i>Lecture Notes in Computer Science</i> , 2008, , 183-198.	1.3	23
83	WebDSL. , 2008, , .		33
84	Declarative Access Control for WebDSL: Combining Language Integration and Separation of Concerns. , 2008, , .		21
85	Generating Version Convertors for Domain-Specific Languages. , 2008, , .		5
86	Heterogeneous Coupled Evolution of Software Languages. <i>Lecture Notes in Computer Science</i> , 2008, , 630-644.	1.3	32
87	WebWorkFlow: An Object-Oriented Workflow Modeling Language for Web Applications. <i>Lecture Notes in Computer Science</i> , 2008, , 113-127.	1.3	16
88	Mixing source and bytecode. , 2008, , .		11
89	Mixing source and bytecode. <i>ACM SIGPLAN Notices</i> , 2008, 43, 91-108.	0.2	4
90	Preventing injection attacks with syntax embeddings. , 2007, , .		34

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91	Designing Syntax Embeddings and Assimilations for Language Libraries. Lecture Notes in Computer Science, 2007, , 34-46.	1.3	7
92	Combining Aspect-Oriented and Strategic Programming. Electronic Notes in Theoretical Computer Science, 2006, 147, 5-30.	0.9	8
93	Declarative, formal, and extensible syntax definition for aspectJ. , 2006, , .		25
94	Declarative, formal, and extensible syntax definition for aspectJ. ACM SIGPLAN Notices, 2006, 41, 209-228.	0.2	3
95	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
96	Stratego/XT 0.16. , 2006, , .		29
97	A survey of strategies in rule-based program transformation systems. Journal of Symbolic Computation, 2005, 40, 831-873.	0.8	70
98	Service configuration management. , 2005, , .		10
99	Generalized Type-Based Disambiguation of Meta Programs with Concrete Object Syntax. Lecture Notes in Computer Science, 2005, , 157-172.	1.3	27
100	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
101	Concrete syntax for objects. , 2004, , .		126
102	Concrete syntax for objects. ACM SIGPLAN Notices, 2004, 39, 365-383.	0.2	24
103	Program Transformation with Stratego/XT. Lecture Notes in Computer Science, 2004, , 216-238.	1.3	118
104	Retrofitting the AutoBayes Program Synthesis System with Concrete Syntax. Lecture Notes in Computer Science, 2004, , 239-253.	1.3	7
105	Adding Concrete Syntax to a Prolog-Based Program Synthesis System. Lecture Notes in Computer Science, 2004, , 56-58.	1.3	0
106	Disambiguation Filters for Scannerless Generalized LR Parsers. Lecture Notes in Computer Science, 2002, , 143-158.	1.3	71
107	Meta-programming with Concrete Object Syntax. Lecture Notes in Computer Science, 2002, , 299-315.	1.3	63
108	Building Interpreters with Rewriting Strategies. Electronic Notes in Theoretical Computer Science, 2002, 65, 57-76.	0.9	8

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109	Strategies for Source-to-Source Constant Propagation. Electronic Notes in Theoretical Computer Science, 2002, 70, 156-175.	0.9	9
110	Rewriting Strategies for Instruction Selection. Lecture Notes in Computer Science, 2002, , 237-251.	1.3	7
111	A Survey of Rewriting Strategies in Program Transformation Systems. Electronic Notes in Theoretical Computer Science, 2001, 57, 109-143.	0.9	60
112	Fusing Logic and Control with Local Transformations. Electronic Notes in Theoretical Computer Science, 2001, 57, 144-162.	0.9	4
113	Scoped Dynamic Rewrite Rules. Electronic Notes in Theoretical Computer Science, 2001, 59, 375-396.	0.9	17
114	XT. Electronic Notes in Theoretical Computer Science, 2001, 44, 79-86.	0.9	9
115	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
116	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
117	Strategic Pattern Matching. Lecture Notes in Computer Science, 1999, , 30-44.	1.3	20
118	Building program optimizers with rewriting strategies. ACM SIGPLAN Notices, 1999, 34, 13-26.	0.2	32
119	A Core Language for Rewriting. Electronic Notes in Theoretical Computer Science, 1998, 15, 422-441.	0.9	34
120	Polymorphic syntax definition. Theoretical Computer Science, 1998, 199, 57-86.	0.9	3
121	Building program optimizers with rewriting strategies. , 1998, , .		141
122	Generation of formatters for context-free languages. ACM Transactions on Software Engineering and Methodology, 1996, 5, 1-41.	6.0	75
123	Multi-Level Specifications. Amast Series in Computing, 1996, , 105-197.	0.0	0
124	Weichmagnetische Keramiken. Werkstoffe Und Bauelemente Der Elektrotechnik, 1994, , 565-634.	0.0	0