Tom Schrijvers

List of Publications by Year
in descending order

114	1,355	758635	552369
		12	26
papers	citations	h-index	g-index

125	125	125	610
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	SWI-Prolog. Theory and Practice of Logic Programming, 2012, 12, 67-96.	1.1	257
2	<scp>OutsideIn(X)</scp>Modular type inference with local assumptions. Journal of Functional Programming, 2011, 21, 333-412.	0.5	96
3	Type checking with open type functions. , 2008, , .		88
4	Complete and decidable type inference for GADTs. , 2009, , .		68
5	Effect handlers in scope. , 2014, , .		41
6	Meta-theory Ã la carte. , 2013, , .		34
7	EffectiveAdvice. , 2010, , .		30
8	As time goes by: Constraint Handling Rules. Theory and Practice of Logic Programming, 2010, 10, 1-47.	1.1	27
9	Monadic constraint programming. Journal of Functional Programming, 2009, 19, 663-697.	0.5	26
10	Analyses, Optimizations and Extensions of Constraint Handling Rules: Ph.D. Summary. Lecture Notes in Computer Science, 2005, , 435-436.	1.0	26
11	Let should not be generalized. , 2010, , .		23
12	Haskell Type Constraints Unleashed. Lecture Notes in Computer Science, 2010, , 56-71.	1.0	23
13	Optimal union-find in Constraint Handling Rules. Theory and Practice of Logic Programming, 2006, 6, 213-224.	1.1	22
14	The computational power and complexity of constraint handling rules. ACM Transactions on Programming Languages and Systems, 2009, 31, 1-42.	1.7	22
15	Towards Typed Prolog. Lecture Notes in Computer Science, 2008, , 693-697.	1.0	21
16	Search combinators. Constraints, 2013, 18, 269-305.	0.4	19
17	Modular monadic meta-theory. , 2013, , .		19
18	User-definable rule priorities for CHR. , 2007, , .		17

#	ARTICLE	IF	CITATIONS
19	Monads, zippers and views. , 2011, , .		17
20	The implicit calculus. , 2012, , .		17
21	Monad transformers and modular algebraic effects: what binds them together. , 2019, , .		17
22	Quantified class constraints. , 2017, , .		17
23	Type checking with open type functions. ACM SIGPLAN Notices, 2008, 43, 51-62.	0.2	15
24	Fusion for Free. Lecture Notes in Computer Science, 2015, , 302-322.	1.0	14
25	Understanding idiomatic traversals backwards and forwards. , 2013, , .		13
26	Abstract interpretation for constraint handling rules. , 2005, , .		12
27	Heuristics Entwined with Handlers Combined. , 2014, , .		12
28	Syntax and Semantics for Operations with Scopes. , 2018, , .		12
29	MRI: Modular reasoning about interference in incremental programming. Journal of Functional Programming, 2012, 22, 797-852.	0.5	11
30	Proof Relevant Corecursive Resolution. Lecture Notes in Computer Science, 2016, , 126-143.	1.0	11
31	Needle & Knot: Binder Boilerplate Tied Up. Lecture Notes in Computer Science, 2016, , 419-445.	1.0	11
32	Monads, zippers and views. ACM SIGPLAN Notices, 2011, 46, 32-44.	0.2	10
33	Towards a Framework for Constraint-Based Test Case Generation. Lecture Notes in Computer Science, 2010, , 128-142.	1.0	10
34	Constraint Handling Rules and Tabled Execution. Lecture Notes in Computer Science, 2004, , 120-136.	1.0	10
35	Meta-theory Ã la carte. ACM SIGPLAN Notices, 2013, 48, 207-218.	0.2	9
36	From monoids to near-semirings. , 2015, , .		9

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37	Effect handlers in scope. ACM SIGPLAN Notices, 2015, 49, 1-12.	0.2	9
38	Latent Effects for Reusable Language Components. Lecture Notes in Computer Science, 2021, , 182-201.	1.0	9
39	Improving Prolog programs: Refactoring for Prolog. Theory and Practice of Logic Programming, 2008, 8, 201-215.	1.1	8
40	Complete and decidable type inference for GADTs. ACM SIGPLAN Notices, 2009, 44, 341-352.	0.2	8
41	Generic datatypes Ã la carte. , 2013, , .		8
42	Delimited continuations for prolog. Theory and Practice of Logic Programming, 2013, 13, 533-546.	1.1	8
43	Tor : Modular search with hookable disjunction. Science of Computer Programming, 2014, 84, 101-120.	1.5	8
44	GADTs meet their match: pattern-matching warnings that account for GADTs, guards, and laziness. , 2015, , .		8
45	Principal Type Inference for GHC-Style Multi-parameter Type Classes. Lecture Notes in Computer Science, 2006, , 26-43.	1.0	7
46	Explicit Effect Subtyping. Lecture Notes in Computer Science, 2018, , 327-354.	1.0	7
47	Search Combinators. Lecture Notes in Computer Science, 2011, , 774-788.	1.0	7
48	The implicit calculus. ACM SIGPLAN Notices, 2012, 47, 35-44.	0.2	6
49	Tabling as a library with delimited control. Theory and Practice of Logic Programming, 2015, 15, 419-433.	1.1	6
50	Coherence of type class resolution. , 2019, 3, 1-28.		6
51	Automatic Implication Checking for CHR Constraints. Electronic Notes in Theoretical Computer Science, 2006, 147, 93-111.	0.9	5
52	Handling Local State with Global State. Lecture Notes in Computer Science, 2019, , 18-44.	1.0	5
53	The Correspondence Between the Logical Algorithms Language and CHR. Lecture Notes in Computer Science, 2007, , 209-223.	1.0	5
54	Consistent Subtyping for All. ACM Transactions on Programming Languages and Systems, 2020, 42, 1-79.	1.7	5

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55	Distributive Disjoint Polymorphism for Compositional Programming. Lecture Notes in Computer Science, 2019, , 381-409.	1.0	5
56	Polymorphic algebraic data type reconstruction. , 2006, , .		4
57	TCHR: a framework for tabled CLP. Theory and Practice of Logic Programming, 2008, 8, 491-526.	1.1	4
58	Tor. , 2012, , .		4
59	A mechanical formalization of higher-ranked polymorphic type inference. , 2019, 3, 1-29.		4
60	COCHIS: Stable and coherent implicits. Journal of Functional Programming, 2019, 29, .	0.5	4
61	Explicit effect subtyping. Journal of Functional Programming, 2020, 30, .	0.5	4
62	Partial Type Signatures for Haskell. Lecture Notes in Computer Science, 2014, , 17-32.	1.0	4
63	A Flexible Search Framework for CHR. Lecture Notes in Computer Science, 2008, , 16-47.	1.0	4
64	Efficient compilation of algebraic effect handlers. , 2021, 5, 1-28.		4
65	Aggregates in Constraint Handling Rules. Lecture Notes in Computer Science, 2007, , 446-448.	1.0	4
66	From MinX to MinC: semantics-driven decompilation of recursive datatypes. , 2016, , .		4
67	Structured Handling of Scoped Effects. Lecture Notes in Computer Science, 2022, , 462-491.	1.0	4
68	Improving Prolog Programs: Refactoring for Prolog. Lecture Notes in Computer Science, 2004, , 58-72.	1.0	3
69	Modular monadic meta-theory. ACM SIGPLAN Notices, 2013, 48, 319-330.	0.2	3
70	Fixing non-determinism. , 2015, , .		3
71	Efficient algebraic effect handlers for Prolog. Theory and Practice of Logic Programming, 2016, 16, 884-898.	1.1	3
72	A unified view of monadic and applicative non-determinism. Science of Computer Programming, 2018, 152, 70-98.	1.5	3

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73	Implicit quantification made explicit: How to interpret blank nodes and universal variables in Notation3 Logic. Web Semantics, 2019, 58, 100501.	2.2	3
74	CONDEnSe: Contract Based Design Synthesis. , 2019, , .		3
75	Generalized monoidal effects and handlers. Journal of Functional Programming, 2020, 30, .	0.5	3
76	CHR for Imperative Host Languages. Lecture Notes in Computer Science, 2008, , 161-212.	1.0	3
77	Automatic Generation of Test Inputs for Mercury. Lecture Notes in Computer Science, 2009, , 71-86.	1.0	3
78	Parameterized Models for On-Line and Off-Line Use. Lecture Notes in Computer Science, 2011, , 101-118.	1.0	3
79	Reasoning about modular datatypes with Mendler induction. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 191, 143-157.	0.8	3
80	From Monomorphic to Polymorphic Well-Typings and Beyond. Lecture Notes in Computer Science, 2009, , 152-167.	1.0	3
81	Resolution as intersection subtyping via Modus Ponens. , 2020, 4, 1-30.		3
82	Compositional reasoning about aspect interference. , 2014, , .		2
83	Handlers for Non-Monadic Computations. , 2017, , .		2
84	JmmSolve: A Generative Java Memory Model Implemented in Prolog and CHR. Lecture Notes in Computer Science, 2004, , 475-476.	1.0	2
85	Guard Reasoning in the Refined Operational Semantics of CHR. Lecture Notes in Computer Science, 2008, , 213-244.	1.0	2
86	Quantified class constraints. ACM SIGPLAN Notices, 2017, 52, 148-161.	0.2	2
87	Combining an improvement to PARMA trailing with trailing analysis. , 2002, , .		1
88	Tabling with Sound Answer Subsumption. Theory and Practice of Logic Programming, 2016, 16, 933-949.	1.1	1
89	State Will do. Lecture Notes in Computer Science, 2020, , 204-225.	1.0	1
90	Formalization of a Polymorphic Subtyping Algorithm. Lecture Notes in Computer Science, 2018, , 604-622.	1.0	1

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91	Type invariants for Haskell. , 2008, , .		1
92	GADTs meet their match: pattern-matching warnings that account for GADTs, guards, and laziness. ACM SIGPLAN Notices, 2015, 50, 424-436.	0.2	1
93	Lazy Stream Programming in Prolog. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 306, 224-237.	0.8	1
94	Constraint Handling Rules. Lecture Notes in Computer Science, 2008, , 9-10.	1.0	1
95	Attributed Data for CHR Indexing. Lecture Notes in Computer Science, 2009, , 357-371.	1.0	1
96	A Transformational Approach for Proving Properties of the CHR Constraint Store. Lecture Notes in Computer Science, 2010, , 22-36.	1.0	1
97	Optimizing Inequality Joins in Datalog with Approximated Constraint Propagation. Lecture Notes in Computer Science, 2012, , 108-122.	1.0	1
98	An Introduction to Search Combinators. Lecture Notes in Computer Science, 2013, , 2-16.	1.0	1
99	Elaboration on functional dependencies: functional dependencies are dead, long live functional dependencies!. , 2017, , .		1
100	Elaboration on functional dependencies: functional dependencies are dead, long live functional dependencies!. ACM SIGPLAN Notices, 2017, 52, 133-147.	0.2	1
101	PÎ»Ï‰NK: functional probabilistic NetKAT. , 2020, 4, 1-27.		1
102	Improving PARMA trailing. Theory and Practice of Logic Programming, 2006, 6, 609-644.	1.1	0
103	Introduction to the 30th International Conference on Logic Programming Special Issue. Theory and Practice of Logic Programming, 2014, 14, 401-414.	1.1	0
104	The Future of Programming is Functional. , 2015, , .		0
105	Bidirectional type class instances. , 2019, , .		0
106	Algorithmics. IFIP Advances in Information and Communication Technology, 2021, , 59-98.	0.5	0
107	Trailing Analysis for HAL. Lecture Notes in Computer Science, 2002, , 38-53.	1.0	0
108	Development of an Automatic Testing Environment for Mercury. Lecture Notes in Computer Science, 2008, , 805-806.	1.0	0

#	ARTICLE	IF	CITATIONS
109	Strictness Meets Data Flow. Lecture Notes in Computer Science, 2010, , 439-454.	1.0	0
110	Memoizing a Monadic Mixin DSL. Lecture Notes in Computer Science, 2011, , 68-85.	1.0	0
111	From MinX to MinC: semantics-driven decompilation of recursive datatypes. ACM SIGPLAN Notices, 2016, 51, 191-203.	0.2	0
112	Faster Coroutine Pipelines: A Reconstruction. Lecture Notes in Computer Science, 2019, , 133-149.	1.0	0
113	Divide et Impera: Efficient Synthesis of Cyber-Physical System Architectures from Formal Contracts. Lecture Notes in Computer Science, 2021, , 776-787.	1.0	0
114	Compositional reasoning about aspect interference. , 2014, , .		0