Ralph Matthes

List of Publications by Year
in descending order

36 papers	283 citations	1162367 8 h-index	996533 15 g-index
40 all docs	40 docs citations	40 times ranked	64 citing authors

#	Article	IF	Citations
1	Short proofs of normalization for the simply- typed λ-calculus, permutative conversions and Gödel's T. Archive for Mathematical Logic, 2003, 42, 59-87.	0.2	70
2	Iteration and coiteration schemes for higher-order and nested datatypes. Theoretical Computer Science, 2005, 333, 3-66.	0.5	42
3	Substitution in non-wellfounded syntax with variable binding. Theoretical Computer Science, 2004, 327, 155-174.	0.5	24
4	Non-strictly positive fixed points for classical natural deduction. Annals of Pure and Applied Logic, 2005, 133, 205-230.	0.3	15
5	Monotone Fixed-Point Types and Strong Normalization. Lecture Notes in Computer Science, 1999, , 298-312.	1.0	15
6	Standardization and Confluence for a Lambda Calculus with Generalized Applications. Lecture Notes in Computer Science, 2000, , 141-155.	1.0	14
7	An induction principle for nested datatypes in intensional type theory. Journal of Functional Programming, 2009, 19, 439-468.	0.5	11
8	Fixed Points of Type Constructors and Primitive Recursion. Lecture Notes in Computer Science, 2004, , 190-204.	1.0	10
9	Monotone (co)inductive types and positive fixed-point types. RAIRO - Theoretical Informatics and Applications, 1999, 33, 309-328.	0.5	9
10	Generalized Iteration and Coiteration for Higher-Order Nested Datatypes. Lecture Notes in Computer Science, 2003, , 54-69.	1.0	8
11	Monotone Inductive and Coinductive Constructors of Rank 2. Lecture Notes in Computer Science, 2001, , 600-614.	1.0	7
12	Substitution in Non-wellfounded Syntax with Variable Binding. Electronic Notes in Theoretical Computer Science, 2003, 82, 191-205.	0.9	6
13	Tarski's Fixed-Point Theorem And Lambda Calculi With Monotone Inductive Types. Synthèse, 2002, 133, 107-129.	0.6	5
14	Permutations in Coinductive Graph Representation. Lecture Notes in Computer Science, 2012, , 218-237.	1.0	5
15	Map fusion for nested datatypes in intensional type theory. Science of Computer Programming, 2011, 76, 204-224.	1.5	4
16	(Co-)Iteration for Higher-Order Nested Datatypes. Lecture Notes in Computer Science, 2003, , 1-20.	1.0	4
17	Recursion on Nested Datatypes in Dependent Type Theory. , 2008, , 431-446.		4
18	Continuation-Passing Style and Strong Normalisation for Intuitionistic Sequent Calculi. Lecture Notes in Computer Science, 2007, , 133-147.	1.0	3

#	Article	IF	Citations
19	Continuation-Passing Style and Strong Normalisation for Intuitionistic Sequent Calculi. Logical Methods in Computer Science, 2009, 5, .	0.4	3
20	From Signatures to Monads in UniMath. Journal of Automated Reasoning, 2019, 63, 285-318.	1.1	2
21	Interpolation for Natural Deduction with Generalized Eliminations. Lecture Notes in Computer Science, 2001, , 153-169.	1.0	2
22	Monadic Translation of Intuitionistic Sequent Calculus. Lecture Notes in Computer Science, 2009, , 100-116.	1.0	2
23	A Datastructure for Iterated Powers. Lecture Notes in Computer Science, 2006, , 299-315.	1.0	2
24	Certification of Breadth-First Algorithms by Extraction. Lecture Notes in Computer Science, 2019, , 45-75.	1.0	2
25	Implementing a category-theoretic framework for typed abstract syntax. , 2022, , .		2
26	Monadic translation of classical sequent calculus. Mathematical Structures in Computer Science, 2013, 23, 1111-1162.	0.5	1
27	Stabilization â€" an alternative to double-negation translation for classical natural deduction. , 0, , 167-199.		1
28	Decidability of Several Concepts of Finiteness for Simple Types. Fundamenta Informaticae, 2019, 170, 111-138.	0.3	1
29	Inhabitation in simply typed lambda-calculus through a lambda-calculus for proof search. Mathematical Structures in Computer Science, 2019, 29, 1092-1124.	0.5	1
30	Nested Datatypes with Generalized Mendler Iteration: Map Fusion and the Example of the Representation of Untyped Lambda Calculus with Explicit Flattening. Lecture Notes in Computer Science, 2008, , 220-242.	1.0	1
31	A Coinductive Approach to Proof Search. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 126, 28-43.	0.8	1
32	Preface to the special issue: isomorphisms of types and invertibility of lambda terms. Mathematical Structures in Computer Science, 2008, 18, 645-646.	0.5	0
33	Preface to the special issue: commutativity of algebraic diagrams. Mathematical Structures in Computer Science, 2012, 22, 901-903.	0.5	0
34	A coinductive approach to proof search through typed lambda-calculi. Annals of Pure and Applied Logic, 2021, 172, 103026.	0.3	0
35	Confluence for classical logic through the distinction between values and computations. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 164, 63-77.	0.8	0
36	Verification of the Redecoration Algorithm for Triangular Matrices. , 2007, , 125-141.		0