

Cezary Kaliszyk

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

996
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777949

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620720

26
g-index

91
all docs

91
docs citations

91
times ranked

430
citing authors

#	ARTICLE	IF	CITATIONS
1	Machine Learning Guidance for Connection Tableaux. Journal of Automated Reasoning, 2021, 65, 287-320.	1.1	4
2	TacticToe: Learning to Prove with Tactics. Journal of Automated Reasoning, 2021, 65, 257-286.	1.1	15
3	JEFL: Joint Embedding of Formal Proof Libraries. Lecture Notes in Computer Science, 2021, , 154-170.	1.0	0
4	A study of continuous vector representations for theorem proving. Journal of Logic and Computation, 2021, 31, 2057-2083.	0.5	1
5	Online Machine Learning Techniques for Coq: A Comparison. Lecture Notes in Computer Science, 2021, , 67-83.	1.0	2
6	Towards Finding Longer Proofs. Lecture Notes in Computer Science, 2021, , 167-186.	1.0	5
7	Mac Lane's Comparison Theorem for the Kleisli Construction Formalized in Coq. Mathematics in Computer Science, 2020, 14, 533-549.	0.2	0
8	Relaxed Weighted Path Order in Theorem Proving. Mathematics in Computer Science, 2020, 14, 657-670.	0.2	3
9	A Survey of Languages for Formalizing Mathematics. Lecture Notes in Computer Science, 2020, , 138-156.	1.0	7
10	Exploration of neural machine translation in autoformalization of mathematics in Mizar. , 2020, , .		7
11	Aligning concepts across proof assistant libraries. Journal of Symbolic Computation, 2019, 90, 89-123.	0.5	7
12	Semantics of Mizar as an Isabelle Object Logic. Journal of Automated Reasoning, 2019, 63, 557-595.	1.1	8
13	GRUNGE: A Grand Unified ATP Challenge. Lecture Notes in Computer Science, 2019, , 123-141.	1.0	7
14	Certification of Nonclausal Connection Tableaux Proofs. Lecture Notes in Computer Science, 2019, , 21-38.	1.0	1
15	Hammer for Coq: Automation for Dependent Type Theory. Journal of Automated Reasoning, 2018, 61, 423-453.	1.1	61
16	Formal microeconomic foundations and the first welfare theorem. , 2018, , .		1
17	Foreword to the Special Issue on Automated Reasoning. AI Communications, 2018, 31, 235-236.	0.8	0
18	Towards a Unified Ordering for Superposition-Based Automated Reasoning. Lecture Notes in Computer Science, 2018, , 245-254.	1.0	1

#	ARTICLE	IF	CITATIONS
19	First Experiments with Neural Translation of Informal to Formal Mathematics. Lecture Notes in Computer Science, 2018, , 255-270.	1.0	9
20	Isabelle Import Infrastructure for the Mizar Mathematical Library. Lecture Notes in Computer Science, 2018, , 131-146.	1.0	1
21	A FORMAL PROOF OF THE KEPLER CONJECTURE. Forum of Mathematics, Pi, 2017, 5, .	1.1	147
22	Classification of Alignments Between Concepts of Formal Mathematical Systems. Lecture Notes in Computer Science, 2017, , 83-98.	1.0	10
23	Automating Formalization by Statistical and Semantic Parsing of Mathematics. Lecture Notes in Computer Science, 2017, , 12-27.	1.0	9
24	Progress in the Independent Certification of Mizar Mathematical Library in Isabelle. , 2017, , .		4
25	System Description: Statistical Parsing of Informalized Mizar Formulas. , 2017, , .		3
26	Monte Carlo Tableau Proof Search. Lecture Notes in Computer Science, 2017, , 563-579.	1.0	7
27	Isabelle Formalization of Set Theoretic Structures and Set Comprehensions. Lecture Notes in Computer Science, 2017, , 163-178.	1.0	1
28	A Learning-Based Fact Selector for Isabelle/HOL. Journal of Automated Reasoning, 2016, 57, 219-244.	1.1	28
29	Towards a Mizar environment for Isabelle: foundations and language. , 2016, , .		13
30	Towards Formal Proof Metrics. Lecture Notes in Computer Science, 2016, , 325-341.	1.0	4
31	Wikis and Collaborative Systems for Large Formal Mathematics. Lecture Notes in Computer Science, 2016, , 35-52.	1.0	1
32	What's in a Theorem Name?. Lecture Notes in Computer Science, 2016, , 459-465.	1.0	5
33	Mizar 40 for Mizar 40. Journal of Automated Reasoning, 2015, 55, 245-256.	1.1	40
34	System Description: E.T. 0.1. Lecture Notes in Computer Science, 2015, , 389-398.	1.0	10
35	Learning-assisted theorem proving with millions of lemmas. Journal of Symbolic Computation, 2015, 69, 109-128.	0.5	23
36	HOL(y)Hammer: Online ATP Service for HOL Light. Mathematics in Computer Science, 2015, 9, 5-22.	0.2	52

#	ARTICLE	IF	CITATIONS
37	Premise Selection and External Provers for HOL4. , 2015, , .		18
38	Certified Connection Tableaux Proofs for HOL Light and TPTP. , 2015, , .		13
39	Formalizing Physics: Automation, Presentation and Foundation Issues. Lecture Notes in Computer Science, 2015, , 288-295.	1.0	2
40	Learning to Parse on Aligned Corpora (Rough Diamond). Lecture Notes in Computer Science, 2015, , 227-233.	1.0	10
41	Random Forests for Premise Selection. Lecture Notes in Computer Science, 2015, , 325-340.	1.0	6
42	Lemmatization for Stronger Reasoning in Large Theories. Lecture Notes in Computer Science, 2015, , 341-356.	1.0	2
43	Efficient Low-Level Connection Tableaux. Lecture Notes in Computer Science, 2015, , 102-111.	1.0	4
44	Sharing HOL4 and HOL Light Proof Knowledge. Lecture Notes in Computer Science, 2015, , 372-386.	1.0	8
45	FEMaLeCoP: Fairly Efficient Machine Learning FEMaLeCoP. Lecture Notes in Computer Science, 2015, , 88-96.	1.0	25
46	Learning-Assisted Automated Reasoning with Flyspeck. Journal of Automated Reasoning, 2014, 53, 173-213.	1.1	70
47	Matching Concepts across HOL Libraries. Lecture Notes in Computer Science, 2014, , 267-281.	1.0	20
48	Towards Knowledge Management for HOL Light. Lecture Notes in Computer Science, 2014, , 357-372.	1.0	12
49	Developing Corpus-Based Translation Methods between Informal and Formal Mathematics: Project Description. Lecture Notes in Computer Science, 2014, , 435-439.	1.0	10
50	PRoCH: Proof Reconstruction for HOL Light. Lecture Notes in Computer Science, 2013, , 267-274.	1.0	12
51	Formal Mathematics on Display: A Wiki for Flyspeck. Lecture Notes in Computer Science, 2013, , 152-167.	1.0	9
52	Automated Reasoning Service for HOL Light. Lecture Notes in Computer Science, 2013, , 120-135.	1.0	8
53	Communicating Formal Proofs: The Case of Flyspeck. Lecture Notes in Computer Science, 2013, , 451-456.	1.0	2
54	MaSh: Machine Learning for Sledgehammer. Lecture Notes in Computer Science, 2013, , 35-50.	1.0	36

#	ARTICLE	IF	CITATIONS
55	Scalable LCF-Style Proof Translation. Lecture Notes in Computer Science, 2013, , 51-66.	1.0	24
56	Algebraic Analysis of Huzita's Origami Operations and Their Extensions. Lecture Notes in Computer Science, 2013, , 143-160.	1.0	5
57	Lemma Mining over HOL Light. Lecture Notes in Computer Science, 2013, , 503-517.	1.0	5
58	Quotients revisited for Isabelle/HOL. , 2011, , .		15
59	General Bindings and Alpha-Equivalence in Nominal Isabelle. Lecture Notes in Computer Science, 2011, , 480-500.	1.0	14
60	Reasoning about Constants in Nominal Isabelle or How to Formalize the Second Fixed Point Theorem. Lecture Notes in Computer Science, 2011, , 87-102.	1.0	0
61	Proof Assistant Decision Procedures for Formalizing Origami. Lecture Notes in Computer Science, 2011, , 45-57.	1.0	1
62	CTP-based programming languages?. ACM Communications in Computer Algebra, 2010, 44, 27-41.	0.2	3
63	Counting Derangements, Non Bijective Functions and the Birthday Problem. Formalized Mathematics, 2010, 18, 197-200.	0.1	0
64	Merging Procedural and Declarative Proof. Lecture Notes in Computer Science, 2009, , 203-219.	1.0	8
65	Web Interfaces for Proof Assistants. Electronic Notes in Theoretical Computer Science, 2007, 174, 49-61.	0.9	19
66	Cooperative Repositories for Formal Proofs. Lecture Notes in Computer Science, 2007, , 221-234.	1.0	12
67	Certified Computer Algebra on Top of an Interactive Theorem Prover. Lecture Notes in Computer Science, 2007, , 94-105.	1.0	21
68	SIE " Intelligent Web Proxy Framework. Lecture Notes in Computer Science, 2004, , 373-385.	1.0	1
69	General Bindings and Alpha-Equivalence in Nominal Isabelle. Logical Methods in Computer Science, 0, Volume 8, Issue 2, .	0.4	23
70	Deep Network Guided Proof Search. , 0, , .		8
71	Initial Experiments with TPTP-style Automated Theorem Provers on ACL2 Problems. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 152, 77-85.	0.8	2
72	Goal Translation for a Hammer for Coq (Extended Abstract). Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 210, 13-20.	0.8	5

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73	TacticToe: Learning to Reason with HOL4 Tactics. , 0, , .		7
74	Machine Learning of Coq Proof Guidance: First Experiments. , 0, , .		2
75	Property Preserving Embedding of First-order Logic. , 0, , .		0
76	Machine Learner for Automated Reasoning 0.4 and 0.5. , 0, , .		0
77	Stronger Automation for Flyspeck by Feature Weighting and Strategy Evolution. , 0, , .		4
78	Improving Statistical Linguistic Algorithms for Parsing Mathematics. , 0, , .		0
79	Beagle as a HOL4 external ATP method. , 0, , .		1
80	Metis-based Paramodulation Tactic for HOL Light. , 0, , .		0