Andreas Weiermann

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/5058285/publications.pdf

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65 605 11 21 g-index

66 66 66 78

times ranked

citing authors

docs citations

all docs

#	Article	IF	CITATIONS
1	Proof-theoretic investigations on Kruskal's theorem. Annals of Pure and Applied Logic, 1993, 60, 49-88.	0.5	92
2	A Uniform Approach to Fundamental Sequences and Hierarchies. Mathematical Logic Quarterly, 1994, 40, 273-286.	0.2	67
3	Termination proofs for term rewriting systems by lexicographic path orderings imply multiply recursive derivation lengths. Theoretical Computer Science, 1995, 139, 355-362.	0.9	49
4	A classification of rapidly growing Ramsey functions. Proceedings of the American Mathematical Society, 2004, 132, 553-561.	0.8	24
5	Analytic combinatorics, proof-theoretic ordinals, and phase transitions for independence results. Annals of Pure and Applied Logic, 2005, 136, 189-218.	0.5	23
6	Complexity Bounds for Some Finite Forms of Kruskal's Theorem. Journal of Symbolic Computation, 1994, 18, 463-488.	0.8	21
7	How to characterize provably total functions by local predicativity. Journal of Symbolic Logic, 1996, 61, 52-69.	0.5	21
8	A term rewriting characterization of the polytime functions and related complexity classes. Archive for Mathematical Logic, 1996, 36, 11-30.	0.3	16
9	Phase transition thresholds for some Friedman-style independence results. Mathematical Logic Quarterly, 2007, 53, 4-18.	0.2	14
10	Slow consistency. Annals of Pure and Applied Logic, 2013, 164, 382-393.	0.5	14
11	Proving termination for term rewriting systems. , 1991, , 419-428.		12
12	Streamlined subrecursive degree theory. Annals of Pure and Applied Logic, 2012, 163, 698-716.	0.5	12
13	How is it that infinitary methods can be applied to finitary mathematics? Gödel's T: a case study. Journal of Symbolic Logic, 1998, 63, 1348-1370.	0.5	11
14	An application of graphical enumeration to PA *. Journal of Symbolic Logic, 2003, 68, 5-16.	0.5	11
15	Phase transitions for Gödel incompleteness. Annals of Pure and Applied Logic, 2009, 157, 281-296.	0.5	11
16	Formula2-computable real numbers. Journal of Logic and Computation, 2012, 22, 899-925.	0.8	11
17	A proof of strongly uniform termination for Gödel's \$T\$ by methods from local predicativity. Archive for Mathematical Logic, 1997, 36, 445-460.	0.3	10
18	Characterizing the elementary recursive functions by a fragment of $G\tilde{A}\P$ del's T. Archive for Mathematical Logic, 2000, 39, 475-491.	0.3	10

#	Article	IF	CITATIONS
19	Investigations on slow versus fast growing: How to majorize slow growing functions nontrivially by fast growing ones. Archive for Mathematical Logic, 1995, 34, 313-330.	0.3	9
20	Classifying the Provably Total Functions of PA. Bulletin of Symbolic Logic, 2006, 12, 177-190.	0.2	9
21	Sharp thresholds for the phase transition between primitive recursive and Ackermannian Ramsey numbers. Journal of Combinatorial Theory - Series A, 2008, 115, 1036-1055.	0.8	9
22	Well-partial-orderings and the big Veblen number. Archive for Mathematical Logic, 2015, 54, 193-230.	0.3	9
23	A Computation of the Maximal Order Type of the Term Ordering on Finite Multisets. Lecture Notes in Computer Science, 2009, , 488-498.	1.3	9
24	An order-theoretic characterization of the Howard–Bachmann-hierarchy. Archive for Mathematical Logic, 2017, 56, 79-118.	0.3	8
25	An extremely sharp phase transition threshold for the slow growing hierarchy. Mathematical Structures in Computer Science, 2006, 16, 925.	0.6	7
26	Unprovability results involving braids. Proceedings of the London Mathematical Society, 2011, 102, 159-192.	1.3	7
27	The strength of infinitary Ramseyan principles can be accessed by their densities. Annals of Pure and Applied Logic, 2017, 168, 1700-1709.	0.5	7
28	Some interesting connections between the slow growing hierarchy and the Ackermann function. Journal of Symbolic Logic, 2001, 66, 609-628.	0.5	6
29	How to characterize provably total functions by the Buchholz operator method. Lecture Notes in Logic, 1996, , 205-213.	0.1	6
30	Vereinfachte Kollabierungsfunktionen und ihre Anwendungen. Archive for Mathematical Logic, 1991, 31, 85-94.	0.3	5
31	Sometimes slow growing is fast growing. Annals of Pure and Applied Logic, 1997, 90, 91-99.	0.5	5
32	Bounding derivation lengths with functions from the slow growing hierarchy. Archive for Mathematical Logic, 1998, 37, 427-441.	0.3	5
33	Ordinal arithmetic with simultaneously defined theta-functions. Mathematical Logic Quarterly, 2011, 57, 116-132.	0.2	5
34	Sharp thresholds for hypergraph regressive Ramsey numbers. Journal of Combinatorial Theory - Series A, 2011, 118, 558-585.	0.8	5
35	Minimal bad sequences are necessary for a uniform Kruskal theorem. Advances in Mathematics, 2022, 400, 108265 bounds for partitioning <mml:math "<="" altimg="si1.gif" display="inline" overflow="scroll" td=""><td>1.1</td><td>5</td></mml:math>	1.1	5
36	xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="h. Annals of Pure and Appli	0.5	4

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37	Classifying the phase transition threshold for Ackermannian functions. Annals of Pure and Applied Logic, 2009, 158, 156-162.	0.5	4
38	Goodstein sequences for prominent ordinals up to the ordinal of <mml:math altimg="si1.gif" overflow="scroll" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow><td>0.5</td><td>4</td></mml:math>	0.5	4
39	Annals of Pure and Applied Logic, 2013, 164, 1493-1506. Predicatively unprovable termination of the Ackermannian Goodstein process. Proceedings of the American Mathematical Society, 2020, 148, 3567-3582.	0.8	4
40	Sharp phase transition thresholds for the Paris Harrington Ramsey numbers for a fixed dimension. Proceedings of the American Mathematical Society, 2012, 140, 2913-2927.	0.8	4
41	Derivation Lengths Classification of $G\tilde{A}\P$ del's T Extending Howard's Assignment. Logical Methods in Computer Science, 2012, 8, .	0.4	4
42	An order-theoretic characterization of the Schütte-Veblen-Hierarchy. Mathematical Logic Quarterly, 1993, 39, 367-383.	0.2	3
43	Slow Versus Fast Growing. SynthÈse, 2002, 133, 13-29.	1.1	3
44	Phase transitions of iterated Higman-style well-partial-orderings. Archive for Mathematical Logic, 2012, 51, 127-161.	0.3	3
45	Asymptotic distribution of integers with certain prime factorizations. Journal of Number Theory, 2014, 136, 87-99.	0.4	3
46	Ordinal notation systems corresponding to Friedman's linearized well-partial-orders with gap-condition. Archive for Mathematical Logic, 2017, 56, 607-638.	0.3	3
47	Phase Transition Thresholds for Some Natural Subclasses of the Computable Functions. Lecture Notes in Computer Science, 2006, , 556-570.	1.3	3
48	A simplified functorial construction of the veblen hierarchy. Mathematical Logic Quarterly, 1993, 39, 269-273.	0.2	2
49	Bounds for the closure ordinals of essentially monotonic increasing functions. Journal of Symbolic Logic, 1993, 58, 664-671.	0.5	2
50	A very slow growing hierarchy for. , 0, , 182-199.		2
51	Phase Transitions for Weakly Increasing Sequences. Lecture Notes in Computer Science, 2008, , 168-174.	1.3	2
52	On the lengths of bad sequences of monomial ideals over polynomial rings. Fundamenta Mathematicae, 2012, 216, 101-108.	0.5	2
53	Ackermann and Goodstein go functorial. Pacific Journal of Mathematics, 2021, 313, 251-291.	0.5	2
54	Analytic combinatorics of the transfinite: A unifying Tauberian perspective., 0,, 238-267.		1

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55	Goodstein sequences for prominent ordinals up to the Bachmann–Howard ordinal. Annals of Pure and Applied Logic, 2012, 163, 669-680.	0.5	1
56	How to Compare Buchholz-Style Ordinal Notation Systems with Gordeev-Style Notation Systems. Lecture Notes in Computer Science, 2015, , 353-362.	1.3	1
57	How to characterize provably total functions. , 0, , 205-213.		1
58	A Miniaturisation of Ramsey's Theorem. Lecture Notes in Computer Science, 2010, , 118-125.	1.3	1
59	Phase transitions in Proof Theory. Discrete Mathematics and Theoretical Computer Science, 2010, DMTCS Proceedings vol. AM,, .	0.1	1
60	Title is missing!. Studia Logica, 1999, 62, 399-427.	0.6	0
61	GOODSTEIN SEQUENCES BASED ON A PARAMETRIZED ACKERMANN–PÉTER FUNCTION. Bulletin of Symbolic Logic, 2021, 27, 168-186.	^C 0.2	0
62	Toshiyasu Arai. Consistency proof via pointwise induction. Archive for mathematical logic, vol. 37 no. 3 (1998), pp. 149–165 Bulletin of Symbolic Logic, 2002, 8, 536-537.	0.2	0
63	Complexity of Gödel's T in λ-Formulation. Lecture Notes in Computer Science, 2009, , 386-400.	1.3	0
64	Ackermannian Goodstein Sequences of Intermediate Growth. Lecture Notes in Computer Science, 2020, , 163-174.	1.3	0
65	Investigations on slow versus fast growing: How to majorize slow growing functions nontrivially by fast growing ones. Archive for Mathematical Logic, 1995, 34, 313-330.	0.3	0