

# Andreas Weiermann

## List of Publications by Year in descending order

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65  
papers

605  
citations

840776

11  
h-index

713466

21  
g-index

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66  
docs citations

66  
times ranked

78  
citing authors

#	ARTICLE	IF	CITATIONS
1	Proof-theoretic investigations on Kruskal's theorem. <i>Annals of Pure and Applied Logic</i> , 1993, 60, 49-88.	0.5	92
2	A Uniform Approach to Fundamental Sequences and Hierarchies. <i>Mathematical Logic Quarterly</i> , 1994, 40, 273-286.	0.2	67
3	Termination proofs for term rewriting systems by lexicographic path orderings imply multiply recursive derivation lengths. <i>Theoretical Computer Science</i> , 1995, 139, 355-362.	0.9	49
4	A classification of rapidly growing Ramsey functions. <i>Proceedings of the American Mathematical Society</i> , 2004, 132, 553-561.	0.8	24
5	Analytic combinatorics, proof-theoretic ordinals, and phase transitions for independence results. <i>Annals of Pure and Applied Logic</i> , 2005, 136, 189-218.	0.5	23
6	Complexity Bounds for Some Finite Forms of Kruskal's Theorem. <i>Journal of Symbolic Computation</i> , 1994, 18, 463-488.	0.8	21
7	How to characterize provably total functions by local predicativity. <i>Journal of Symbolic Logic</i> , 1996, 61, 52-69.	0.5	21
8	A term rewriting characterization of the polytime functions and related complexity classes. <i>Archive for Mathematical Logic</i> , 1996, 36, 11-30.	0.3	16
9	Phase transition thresholds for some Friedman-style independence results. <i>Mathematical Logic Quarterly</i> , 2007, 53, 4-18.	0.2	14
10	Slow consistency. <i>Annals of Pure and Applied Logic</i> , 2013, 164, 382-393.	0.5	14
11	Proving termination for term rewriting systems. , 1991, , 419-428.		12
12	Streamlined subrecursive degree theory. <i>Annals of Pure and Applied Logic</i> , 2012, 163, 698-716.	0.5	12
13	How is it that infinitary methods can be applied to finitary mathematics? G $\ddot{a}$ rdel's T: a case study. <i>Journal of Symbolic Logic</i> , 1998, 63, 1348-1370.	0.5	11
14	An application of graphical enumeration to PA *. <i>Journal of Symbolic Logic</i> , 2003, 68, 5-16.	0.5	11
15	Phase transitions for G $\ddot{a}$ rdel incompleteness. <i>Annals of Pure and Applied Logic</i> , 2009, 157, 281-296.	0.5	11
16	Formula $_2$ -computable real numbers. <i>Journal of Logic and Computation</i> , 2012, 22, 899-925.	0.8	11
17	A proof of strongly uniform termination for G $\ddot{a}$ rdel's T by methods from local predicativity. <i>Archive for Mathematical Logic</i> , 1997, 36, 445-460.	0.3	10
18	Characterizing the elementary recursive functions by a fragment of G $\ddot{a}$ rdel's T. <i>Archive for Mathematical Logic</i> , 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. <i>Archive for Mathematical Logic</i> , 1995, 34, 313-330.	0.3	9
20	Classifying the Provably Total Functions of PA. <i>Bulletin of Symbolic Logic</i> , 2006, 12, 177-190.	0.2	9
21	Sharp thresholds for the phase transition between primitive recursive and Ackermannian Ramsey numbers. <i>Journal of Combinatorial Theory - Series A</i> , 2008, 115, 1036-1055.	0.8	9
22	Well-partial-orderings and the big Veblen number. <i>Archive for Mathematical Logic</i> , 2015, 54, 193-230.	0.3	9
23	A Computation of the Maximal Order Type of the Term Ordering on Finite Multisets. <i>Lecture Notes in Computer Science</i> , 2009, , 488-498.	1.3	9
24	An order-theoretic characterization of the Howard-Bachmann-hierarchy. <i>Archive for Mathematical Logic</i> , 2017, 56, 79-118.	0.3	8
25	An extremely sharp phase transition threshold for the slow growing hierarchy. <i>Mathematical Structures in Computer Science</i> , 2006, 16, 925.	0.6	7
26	Unprovability results involving braids. <i>Proceedings of the London Mathematical Society</i> , 2011, 102, 159-192.	1.3	7
27	The strength of infinitary Ramseyan principles can be accessed by their densities. <i>Annals of Pure and Applied Logic</i> , 2017, 168, 1700-1709.	0.5	7
28	Some interesting connections between the slow growing hierarchy and the Ackermann function. <i>Journal of Symbolic Logic</i> , 2001, 66, 609-628.	0.5	6
29	How to characterize provably total functions by the Buchholz operator method. <i>Lecture Notes in Logic</i> , 1996, , 205-213.	0.1	6
30	Vereinfachte Kollabierungsfunktionen und ihre Anwendungen. <i>Archive for Mathematical Logic</i> , 1991, 31, 85-94.	0.3	5
31	Sometimes slow growing is fast growing. <i>Annals of Pure and Applied Logic</i> , 1997, 90, 91-99.	0.5	5
32	Bounding derivation lengths with functions from the slow growing hierarchy. <i>Archive for Mathematical Logic</i> , 1998, 37, 427-441.	0.3	5
33	Ordinal arithmetic with simultaneously defined theta-functions. <i>Mathematical Logic Quarterly</i> , 2011, 57, 116-132.	0.2	5
34	Sharp thresholds for hypergraph regressive Ramsey numbers. <i>Journal of Combinatorial Theory - Series A</i> , 2011, 118, 558-585.	0.8	5
35	Minimal bad sequences are necessary for a uniform Kruskal theorem. <i>Advances in Mathematics</i> , 2022, 400, 108265.	1.1	5
36	More on lower bounds for partitioning $\omega_1$ . <i>Annals of Pure and Applied</i>	0.5	4



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