

George Barmpalias

List of Publications by Year in descending order

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74
papers

508
citations

687363

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888059

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g-index

75
all docs

75
docs citations

75
times ranked

90
citing authors

#	ARTICLE	IF	CITATIONS
19	Tipping Points in 1-Dimensional Schelling Models with Switching Agents. Journal of Statistical Physics, 2015, 158, 806-852.	1.2	12
20	Algorithmic randomness of continuous functions. Archive for Mathematical Logic, 2008, 46, 533-546.	0.3	10
21	?-trivial degrees and the jump-traceability hierarchy. Proceedings of the American Mathematical Society, 2009, 137, 2099-2109.	0.8	9
22	Relative Randomness and Cardinality. Notre Dame Journal of Formal Logic, 2010, 51, .	0.4	9
23	On the Gap Between Trivial and Nontrivial Initial Segment Prefix-Free Complexity. Theory of Computing Systems, 2013, 52, 28-47.	1.1	8
24	Hypersimplicity and semicomputability in the weak truth table degrees. Archive for Mathematical Logic, 2005, 44, 1045-1065.	0.3	7
25	Jump inversions inside effectively closed sets and applications to randomness. Journal of Symbolic Logic, 2011, 76, 491-518.	0.5	7
26	Universality probability of a prefix-free machine. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2012, 370, 3488-3511.	3.4	7
27	A Cappable Almost Everywhere Dominating Computably Enumerable Degree. Electronic Notes in Theoretical Computer Science, 2007, 167, 17-31.	0.9	6
28	K-Triviality of Closed Sets and Continuous Functions. Journal of Logic and Computation, 2009, 19, 3-16.	0.8	6
29	Non-cupping, measure and computably enumerable splittings. Mathematical Structures in Computer Science, 2009, 19, 25-43.	0.6	6
30	Integer valued betting strategies and Turing degrees. Journal of Computer and System Sciences, 2015, 81, 1387-1412.	1.2	6
31	Lower bounds on the redundancy in computations from random oracles via betting strategies with restricted wagers. Information and Computation, 2016, 251, 287-300.	0.7	6
32	A transfinite hierarchy of reals. Mathematical Logic Quarterly, 2003, 49, 163-172.	0.2	5
33	On the number of infinite sequences with trivial initial segment complexity. Theoretical Computer Science, 2011, 412, 7133-7146.	0.9	5
34	Upper bounds on ideals in the computably enumerable Turing degrees. Annals of Pure and Applied Logic, 2011, 162, 465-473.	0.5	5
35	Optimal asymptotic bounds on the oracle use in computations from Chaitin's Omega. Journal of Computer and System Sciences, 2016, 82, 1283-1299.	1.2	5
36	Differences of halting probabilities. Journal of Computer and System Sciences, 2017, 89, 349-360.	1.2	5

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37	Minority Population in the One-Dimensional Schelling Model of Segregation. Journal of Statistical Physics, 2018, 173, 1408-1458.	1.2	5
38	The approximation structure of a computably approximable real. Journal of Symbolic Logic, 2003, 68, 885-922.	0.5	4
39	Random non-cupping revisited. Journal of Complexity, 2006, 22, 850-857.	1.3	4
40	Kolmogorov complexity and computably enumerable sets. Annals of Pure and Applied Logic, 2013, 164, 1187-1200.	0.5	4
41	EXACT PAIRS FOR THE IDEAL OF THEK-TRIVIAL SEQUENCES IN THE TURING DEGREES. Journal of Symbolic Logic, 2014, 79, 676-692.	0.5	4
42	Computing halting probabilities from other halting probabilities. Theoretical Computer Science, 2017, 660, 16-22.	0.9	4
43	Random numbers as probabilities of machine behavior. Theoretical Computer Science, 2017, 673, 1-18.	0.9	4
44	Kobayashi compressibility. Theoretical Computer Science, 2017, 675, 89-100.	0.9	4
45	Aspects of Chaitin's Omega. , 2020, , 175-205.		4
46	The Information Content of Typical Reals. , 2015, , 207-224.		4
47	Tracing and domination in the Turing degrees. Annals of Pure and Applied Logic, 2012, 163, 500-505.	0.5	3
48	Universal computably enumerable sets and initial segment prefix-free complexity. Information and Computation, 2013, 233, 41-59.	0.7	3
49	Algorithmic randomness and measures of complexity. Bulletin of Symbolic Logic, 2013, 19, 318-350.	0.2	3
50	Compression of Data Streams Down to Their Information Content. IEEE Transactions on Information Theory, 2019, 65, 4471-4485.	2.4	3
51	K-TRIVIALS ARE NEVER CONTINUOUSLY RANDOM. , 2011, , .		3
52	Limits of the KuÅera's Coding Method. , 2020, , 87-109.		3
53	Approximation Representations for $\hat{\Gamma}^2$ Reals. Archive for Mathematical Logic, 2004, 43, 947-964.	0.3	2
54	h-monotonically computable real numbers. Mathematical Logic Quarterly, 2005, 51, 157-170.	0.2	2

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55	Measure and cupping in the Turing degrees. Proceedings of the American Mathematical Society, 2012, 140, 3607-3622.	0.8	2
56	Algorithmic Randomness and Measures of Complexity. Bulletin of Symbolic Logic, 2013, 19, 318-350.	0.2	2
57	On the existence of a strong minimal pair. Journal of Mathematical Logic, 2015, 15, 1550003.	0.6	2
58	The Probability of a Computable Output from a Random Oracle. ACM Transactions on Computational Logic, 2017, 18, 1-15.	0.9	2
59	Optimal redundancy in computations from random oracles. Journal of Computer and System Sciences, 2018, 92, 1-8.	1.2	2
60	Digital morphogenesis via Schelling segregation. Nonlinearity, 2018, 31, 1593-1638.	1.4	2
61	Equivalences between learning of data and probability distributions, and their applications. Information and Computation, 2018, 262, 123-140.	0.7	2
62	Immunity Properties and the n-C.E. Hierarchy. Lecture Notes in Computer Science, 2006, , 694-703.	1.3	2
63	A Note on the Differences of Computably Enumerable Reals. Lecture Notes in Computer Science, 2017, , 623-632.	1.3	2
64	Approximation representations for reals and their wtt-degrees. Mathematical Logic Quarterly, 2004, 50, 370-380.	0.2	1
65	The idemetric property: when most distances are (almost) the same. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2019, 475, 20180283.	2.1	1
66	Granularity of wagers in games and the possibility of saving. Information and Computation, 2020, 275, 104600.	0.7	1
67	The Hypersimple-Free C.E. WTT Degrees Are Dense in the C.E. WTT Degrees. Notre Dame Journal of Formal Logic, 2006, 47, .	0.4	1
68	K-Trivial Closed Sets and Continuous Functions. Lecture Notes in Computer Science, 2007, , 135-145.	1.3	1
69	Manuel Lerman. A framework for priority arguments. Lecture Notes in Logic, vol. 34. Cambridge University Press, New York, 2010, xvi + 176 pp.. Bulletin of Symbolic Logic, 2011, 17, 464-467.	0.2	0
70	Theory and Applications of Models of Computation at the Turing Centenary in China. Theoretical Computer Science, 2014, 560, 107.	0.9	0
71	Pointed computations and Martin-L�f randomness. Computability, 2018, 7, 171-177.	0.3	0
72	Monotonous betting strategies in warped casinos. Information and Computation, 2020, 271, 104480.	0.7	0

#	ARTICLE	IF	CITATIONS
73	Resolute sequences in initial segment complexity. , 2013, , .		0
74	Working with the LR Degrees. , 2007, , 89-99.		0