Joseph S Miller

List of Publications by Year
in descending order

63 papers	931 citations	430874 18 h-index	501196 28 g-index
64 all docs	64 docs citations	64 times ranked	158 citing authors

#	Article	IF	Citations
1	Randomness and Computability: Open Questions. Bulletin of Symbolic Logic, 2006, 12, 390-410.	0.2	65
2	Decidability and Complexity Results for Timed Automata and Semi-linear Hybrid Automata. Lecture Notes in Computer Science, 2000, , 296-310.	1.3	63
3	On initial segment complexity and degrees of randomness. Transactions of the American Mathematical Society, 2008, 360, 3193-3211.	0.9	53
4	The Undecidability of Iterated Modal Relativization. Studia Logica, 2005, 79, 373-407.	0.6	50
5	Degrees of unsolvability of continuous functions. Journal of Symbolic Logic, 2004, 69, 555-584.	0.5	48
6	Kolmogorov–Loveland randomness and stochasticity. Annals of Pure and Applied Logic, 2006, 138, 183-210.	0.5	44
7	RELATIVIZING CHAITIN'S HALTING PROBABILITY. Journal of Mathematical Logic, 2005, 05, 167-192.	0.6	43
8	UNIVERSAL COMPUTABLY ENUMERABLE EQUIVALENCE RELATIONS. Journal of Symbolic Logic, 2014, 79, 60-88.	0.5	38
9	The K-Degrees, Low for K Degrees,and Weakly Low for K Sets. Notre Dame Journal of Formal Logic, 2009, 50, .	0.4	33
10	Randomness and differentiability. Transactions of the American Mathematical Society, 2016, 368, 581-605.	0.9	30
11	Extracting information is hard: A Turing degree of non-integral effective Hausdorff dimension. Advances in Mathematics, 2011, 226, 373-384.	1.1	28
12	Randomness for non-computable measures. Transactions of the American Mathematical Society, 2013, 365, 3575-3591.	0.9	26
13	Lowness for Kurtz randomness. Journal of Symbolic Logic, 2009, 74, 665-678.	0.5	25
14	Lowness notions, measure and domination. Journal of the London Mathematical Society, 2012, 85, 869-888.	1.0	25
15	Every 2-random real is Kolmogorov random. Journal of Symbolic Logic, 2004, 69, 907-913.	0.5	24
16	Uniform almost everywhere domination. Journal of Symbolic Logic, 2006, 71, 1057-1072.	0.5	22
17	THE COMPLEMENTS OF LOWER CONES OF DEGREES AND THE DEGREE SPECTRA OF STRUCTURES. Journal of Symbolic Logic, 2016, 81, 997-1006.	0.5	21
18	Effectiveness for Embedded Spheres and Balls. Electronic Notes in Theoretical Computer Science, 2002, 66, 127-138.	0.9	19

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19	Diagonally non-recursive functions and effective Hausdorff dimension. Bulletin of the London Mathematical Society, 2011, 43, 636-654.	0.8	19
20	Martin-LÃ¶f random points satisfy Birkhoffâ€™s ergodic theorem for effectively closed sets. Proceedings of the American Mathematical Society, 2012, 140, 3623-3628.	0.8	16
21	Two notes on subshifts. Proceedings of the American Mathematical Society, 2012, 140, 1617-1622.	0.8	16
22	Randomness notions and partial relativization. Israel Journal of Mathematics, 2012, 191, 791-816.	0.8	14
23	Denjoy, Demuth and density. Journal of Mathematical Logic, 2014, 14, 1450004.	0.6	13
24	Defining totality in the enumeration degrees. Journal of the American Mathematical Society, 2015, 29, 1051-1067.	3.9	13
25	Density, forcing, and the covering problem. Mathematical Research Letters, 2015, 22, 719-727.	0.5	13
26	Randomness and halting probabilities. Journal of Symbolic Logic, 2006, 71, 1411-1430.	0.5	12
27	Oscillation in the initial segment complexity of random reals. Advances in Mathematics, 2011, 226, 4816-4840.	1.1	12
28	COMPUTINGK-TRIVIAL SETS BY INCOMPLETE RANDOM SETS. Bulletin of Symbolic Logic, 2014, 20, 80-90.	0.2	12
29	A basis theorem for $Pi _1^0$ classes of positive measure and jump inversion for random reals. Proceedings of the American Mathematical Society, 2005, 134, 283-288.	0.8	11
30	Indifferent Sets. Journal of Logic and Computation, 2008, 19, 425-443.	0.8	11
31	Randomness and lowness notions via open covers. Annals of Pure and Applied Logic, 2012, 163, 506-518.	0.5	11
32	Spectra of theories and structures. Proceedings of the American Mathematical Society, 2014, 143, 1283-1298.	0.8	8
33	Connected choice and the Brouwer fixed point theorem. Journal of Mathematical Logic, 2019, 19, 1950004.	0.6	8
34	Counting the changes of random Î"20 sets. Journal of Logic and Computation, 2015, 25, 1073-1089.	0.8	7
35	Highness properties close to PA completeness. Israel Journal of Mathematics, 2021, 244, 419-465.	0.8	7
36	Effectiveness for infinite variable words and the Dual Ramsey Theorem. Archive for Mathematical Logic, 2004, 43, 543-555.	0.3	5

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37	Generic muchnik reducibility and presentations of fields. Israel Journal of Mathematics, 2016, 216, 371-387.	0.8	5
38	FORCING WITH BUSHY TREES. Bulletin of Symbolic Logic, 2017, 23, 160-180.	0.2	5
39	Cupping with random sets. Proceedings of the American Mathematical Society, 2014, 142, 2871-2879.	0.8	4
40	Density of the cototal enumeration degrees. Annals of Pure and Applied Logic, 2018, 169, 450-462.	0.5	4
41	Dimension 1 sequences are close to randoms. Theoretical Computer Science, 2018, 705, 99-112.	0.9	4
42	Characterizing the continuous degrees. Israel Journal of Mathematics, 2019, 234, 743-767.	0.8	4
43	Counting the Changes of Random ${Delta^0_2}$ Sets. Lecture Notes in Computer Science, 2010, , 162-171.	1.3	4
44	Random strings and tt-degrees of Turing complete C.E. sets. Logical Methods in Computer Science, 0, Volume 10, Issue 3, .	0.4	4
45	On self-embeddings of computable linear orderings. Annals of Pure and Applied Logic, 2006, 138, 52-76.	0.5	3
46	On the structure of the degrees of relative provability. Israel Journal of Mathematics, 2015, 207, 449-478.	0.8	3
47	Nullifying randomness and genericity using symmetric difference. Annals of Pure and Applied Logic, 2017, 168, 1692-1699.	0.5	3
48	PROMPT SIMPLICITY, ARRAY COMPUTABILITY AND CUPPING. Lecture Notes Series, Institute for Mathematical Sciences, 2008, , 59-77.	0.2	3
49	Every 1-generic computes a properly 1-generic. Journal of Symbolic Logic, 2006, 71, 1385-1393.	0.5	2
50	Lowness for effective Hausdorff dimension. Journal of Mathematical Logic, 2014, 14, 1450011.	0.6	2
51	Energy randomness. Israel Journal of Mathematics, 2018, 227, 1-26.	0.8	2
52	Theory spectra and classes of theories. Transactions of the American Mathematical Society, 2017, 369, 6493-6510.	0.9	2
53	On Work of Barmpalias and Lewis-Pye: A Derivation on the D.C.E. Reals. Lecture Notes in Computer Science, 2017, , 644-659.	1.3	2
54	The upward closure of a perfect thin class. Annals of Pure and Applied Logic, 2008, 156, 51-58.	0.5	1

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55	Joining non-low C.E. sets with diagonally non-computable functions. Journal of Logic and Computation, 2013, 23, 1183-1194.	0.8	1
56	The degrees of bi-hyperhyperimmune sets. Annals of Pure and Applied Logic, 2014, 165, 803-811.	0.5	1
57	On Kalimullin pairs. Computability, 2016, 5, 111-126.	0.3	1
58	Two More Characterizations of K-Triviality. Notre Dame Journal of Formal Logic, 2018, 59, .	0.4	1
59	A STRUCTURAL DICHOTOMY IN THE ENUMERATION DEGREES. Journal of Symbolic Logic, 2020, , 1-18.	0.5	1
60	Computing from projections of random points. Journal of Mathematical Logic, 2020, 20, 1950014.	0.6	1
61	Kolmogorov-Loveland Randomness and Stochasticity. Lecture Notes in Computer Science, 2005, , 422-433.	1.3	0
62	Computability and the Symmetric Difference Operator. Logic Journal of the IGPL, 0, , .	1.5	0
63	Randomness, Computability and Information. , 2011, , 197-206.		0