

# Joseph S Miller

## List of Publications by Year in descending order

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63  
papers

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citations

430874

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501196

28  
g-index

64  
all docs

64  
docs citations

64  
times ranked

158  
citing authors

#	ARTICLE	IF	CITATIONS
1	Highness properties close to PA completeness. Israel Journal of Mathematics, 2021, 244, 419-465.	0.8	7
2	A STRUCTURAL DICHOTOMY IN THE ENUMERATION DEGREES. Journal of Symbolic Logic, 2020, , 1-18.	0.5	1
3	Computing from projections of random points. Journal of Mathematical Logic, 2020, 20, 1950014.	0.6	1
4	Characterizing the continuous degrees. Israel Journal of Mathematics, 2019, 234, 743-767.	0.8	4
5	Connected choice and the Brouwer fixed point theorem. Journal of Mathematical Logic, 2019, 19, 1950004.	0.6	8
6	Density of the cototal enumeration degrees. Annals of Pure and Applied Logic, 2018, 169, 450-462.	0.5	4
7	Dimension 1 sequences are close to randoms. Theoretical Computer Science, 2018, 705, 99-112.	0.9	4
8	Energy randomness. Israel Journal of Mathematics, 2018, 227, 1-26.	0.8	2
9	Two More Characterizations of K-Triviality. Notre Dame Journal of Formal Logic, 2018, 59, .	0.4	1
10	Nullifying randomness and genericity using symmetric difference. Annals of Pure and Applied Logic, 2017, 168, 1692-1699.	0.5	3
11	FORCING WITH BUSHY TREES. Bulletin of Symbolic Logic, 2017, 23, 160-180.	0.2	5
12	Theory spectra and classes of theories. Transactions of the American Mathematical Society, 2017, 369, 6493-6510.	0.9	2
13	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
14	Randomness and differentiability. Transactions of the American Mathematical Society, 2016, 368, 581-605.	0.9	30
15	On Kalimullin pairs. Computability, 2016, 5, 111-126.	0.3	1
16	THE COMPLEMENTS OF LOWER CONES OF DEGREES AND THE DEGREE SPECTRA OF STRUCTURES. Journal of Symbolic Logic, 2016, 81, 997-1006.	0.5	21
17	Generic muchnik reducibility and presentations of fields. Israel Journal of Mathematics, 2016, 216, 371-387.	0.8	5
18	Defining totality in the enumeration degrees. Journal of the American Mathematical Society, 2015, 29, 1051-1067.	3.9	13

#	ARTICLE	IF	CITATIONS
19	Counting the changes of random $\hat{\pi}^20$ sets. Journal of Logic and Computation, 2015, 25, 1073-1089.	0.8	7
20	On the structure of the degrees of relative provability. Israel Journal of Mathematics, 2015, 207, 449-478.	0.8	3
21	Density, forcing, and the covering problem. Mathematical Research Letters, 2015, 22, 719-727.	0.5	13
22	Denjoy, Demuth and density. Journal of Mathematical Logic, 2014, 14, 1450004.	0.6	13
23	Cupping with random sets. Proceedings of the American Mathematical Society, 2014, 142, 2871-2879.	0.8	4
24	Spectra of theories and structures. Proceedings of the American Mathematical Society, 2014, 143, 1283-1298.	0.8	8
25	Lowness for effective Hausdorff dimension. Journal of Mathematical Logic, 2014, 14, 1450011.	0.6	2
26	UNIVERSAL COMPUTABLY ENUMERABLE EQUIVALENCE RELATIONS. Journal of Symbolic Logic, 2014, 79, 60-88.	0.5	38
27	COMPUTINGK-TRIVIAL SETS BY INCOMPLETE RANDOM SETS. Bulletin of Symbolic Logic, 2014, 20, 80-90.	0.2	12
28	The degrees of bi-hyperhyperimmune sets. Annals of Pure and Applied Logic, 2014, 165, 803-811.	0.5	1
29	Joining non-low C.E. sets with diagonally non-computable functions. Journal of Logic and Computation, 2013, 23, 1183-1194.	0.8	1
30	Randomness for non-computable measures. Transactions of the American Mathematical Society, 2013, 365, 3575-3591.	0.9	26
31	Lowness notions, measure and domination. Journal of the London Mathematical Society, 2012, 85, 869-888.	1.0	25
32	Randomness notions and partial relativization. Israel Journal of Mathematics, 2012, 191, 791-816.	0.8	14
33	Martin-Löf random points satisfy Birkhoff's ergodic theorem for effectively closed sets. Proceedings of the American Mathematical Society, 2012, 140, 3623-3628.	0.8	16
34	Randomness and lowness notions via open covers. Annals of Pure and Applied Logic, 2012, 163, 506-518.	0.5	11
35	Two notes on subshifts. Proceedings of the American Mathematical Society, 2012, 140, 1617-1622.	0.8	16
36	Diagonally non-recursive functions and effective Hausdorff dimension. Bulletin of the London Mathematical Society, 2011, 43, 636-654.	0.8	19

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37	Extracting information is hard: A Turing degree of non-integral effective Hausdorff dimension. <i>Advances in Mathematics</i> , 2011, 226, 373-384.	1.1	28
38	Oscillation in the initial segment complexity of random reals. <i>Advances in Mathematics</i> , 2011, 226, 4816-4840.	1.1	12
39	Randomness, Computability and Information. , 2011, , 197-206.		0
40	Counting the Changes of Random $\{\Delta^0_2\}$ Sets. <i>Lecture Notes in Computer Science</i> , 2010, , 162-171.	1.3	4
41	Lowness for Kurtz randomness. <i>Journal of Symbolic Logic</i> , 2009, 74, 665-678.	0.5	25
42	The K-Degrees, Low for K Degrees, and Weakly Low for K Sets. <i>Notre Dame Journal of Formal Logic</i> , 2009, 50, .	0.4	33
43	The upward closure of a perfect thin class. <i>Annals of Pure and Applied Logic</i> , 2008, 156, 51-58.	0.5	1
44	Indifferent Sets. <i>Journal of Logic and Computation</i> , 2008, 19, 425-443.	0.8	11
45	On initial segment complexity and degrees of randomness. <i>Transactions of the American Mathematical Society</i> , 2008, 360, 3193-3211.	0.9	53
46	PROMPT SIMPLICITY, ARRAY COMPUTABILITY AND CUPPING. <i>Lecture Notes Series, Institute for Mathematical Sciences</i> , 2008, , 59-77.	0.2	3
47	Randomness and Computability: Open Questions. <i>Bulletin of Symbolic Logic</i> , 2006, 12, 390-410.	0.2	65
48	On self-embeddings of computable linear orderings. <i>Annals of Pure and Applied Logic</i> , 2006, 138, 52-76.	0.5	3
49	Kolmogorov's "Loveland randomness and stochasticity. <i>Annals of Pure and Applied Logic</i> , 2006, 138, 183-210.	0.5	44
50	Uniform almost everywhere domination. <i>Journal of Symbolic Logic</i> , 2006, 71, 1057-1072.	0.5	22
51	Randomness and halting probabilities. <i>Journal of Symbolic Logic</i> , 2006, 71, 1411-1430.	0.5	12
52	Every 1-generic computes a properly 1-generic. <i>Journal of Symbolic Logic</i> , 2006, 71, 1385-1393.	0.5	2
53	Kolmogorov-Loveland Randomness and Stochasticity. <i>Lecture Notes in Computer Science</i> , 2005, , 422-433.	1.3	0
54	A basis theorem for $\Pi^0_1$ classes of positive measure and jump inversion for random reals. <i>Proceedings of the American Mathematical Society</i> , 2005, 134, 283-288.	0.8	11

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55	The Undecidability of Iterated Modal Relativization. <i>Studia Logica</i> , 2005, 79, 373-407.	0.6	50
56	RELATIVIZING CHAITIN'S HALTING PROBABILITY. <i>Journal of Mathematical Logic</i> , 2005, 05, 167-192.	0.6	43
57	Degrees of unsolvability of continuous functions. <i>Journal of Symbolic Logic</i> , 2004, 69, 555-584.	0.5	48
58	Every 2-random real is Kolmogorov random. <i>Journal of Symbolic Logic</i> , 2004, 69, 907-913.	0.5	24
59	Effectiveness for infinite variable words and the Dual Ramsey Theorem. <i>Archive for Mathematical Logic</i> , 2004, 43, 543-555.	0.3	5
60	Effectiveness for Embedded Spheres and Balls. <i>Electronic Notes in Theoretical Computer Science</i> , 2002, 66, 127-138.	0.9	19
61	Decidability and Complexity Results for Timed Automata and Semi-linear Hybrid Automata. <i>Lecture Notes in Computer Science</i> , 2000, , 296-310.	1.3	63
62	Computability and the Symmetric Difference Operator. <i>Logic Journal of the IGPL</i> , 0, , .	1.5	0
63	Random strings and tt-degrees of Turing complete C.E. sets. <i>Logical Methods in Computer Science</i> , 0, Volume 10, Issue 3, .	0.4	4