

Steven J Miller

List of Publications by Year in descending order

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52
papers

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516710

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55
all docs

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docs citations

55
times ranked

314
citing authors

#	ARTICLE	IF	CITATIONS
1	Lower-Order Biases in the Second Moment of Dirichlet Coefficients in Families of L -Functions. <i>Experimental Mathematics</i> , 2023, 32, 431-456.	0.7	1
2	Recurrence relations and Benford's law. <i>Statistical Methods and Applications</i> , 2021, 30, 797-817.	1.2	2
3	The explicit Sato-Tate conjecture for primes in arithmetic progressions. <i>International Journal of Number Theory</i> , 2021, 17, 1905-1923.	0.5	0
4	Lessons from the German Tank Problem. <i>Mathematical Intelligencer</i> , 2021, 43, 19-28.	0.2	1
5	Distribution of Missing Differences in Diffsets. <i>Springer Proceedings in Mathematics and Statistics</i> , 2021, , 261-281.	0.2	0
6	A Refined Conjecture for the Variance of Gaussian Primes across Sectors. <i>Experimental Mathematics</i> , 2020, , 1-21.	0.7	1
7	EXTENSIONS OF AUTOCORRELATION INEQUALITIES WITH APPLICATIONS TO ADDITIVE COMBINATORICS. <i>Bulletin of the Australian Mathematical Society</i> , 2020, 102, 451-461.	0.5	0
8	A Geometric Perspective on the MSTD Question. <i>Discrete and Computational Geometry</i> , 2019, 62, 832-855.	0.6	1
9	Dimensional lower bounds for Falconer type incidence theorems. <i>Journal D'Analyse Mathématique</i> , 2019, 139, 143-154.	0.8	1
10	Spectral statistics of non-Hermitian random matrix ensembles. <i>Random Matrices: Theory and Application</i> , 2019, 08, 1950005.	1.1	1
11	Random matrix ensembles with split limiting behavior. <i>Random Matrices: Theory and Application</i> , 2018, 07, 1850006.	1.1	0
12	Summand minimality and asymptotic convergence of generalized Zeckendorf decompositions. <i>Research in Number Theory</i> , 2018, 4, 1.	0.4	2
13	Geometric-progression-free sets over quadratic number fields. <i>Proceedings of the Royal Society of Edinburgh Section A: Mathematics</i> , 2017, 147, 245-262.	1.2	0
14	The M&M Game: From Morsels to Modern Mathematics. <i>Mathematics Magazine</i> , 2017, 90, 197-207.	0.1	1
15	Fringe pairs in generalized MSTD sets. <i>International Journal of Number Theory</i> , 2017, 13, 2653-2675.	0.5	3
16	One-level density for holomorphic cusp forms of arbitrary level. <i>Research in Number Theory</i> , 2017, 3, 1.	0.4	6
17	Individual Gap Measures from Generalized Zeckendorf Decompositions. <i>Uniform Distribution Theory</i> , 2017, 12, 27-36.	0.2	1
18	Surpassing the ratios conjecture in the 1-level density of Dirichlet L -functions. <i>Algebra and Number Theory</i> , 2015, 9, 13-52.	0.6	21

#	ARTICLE	IF	CITATIONS
19	Limiting spectral measures for random matrix ensembles with a polynomial link function. <i>Random Matrices: Theory and Application</i> , 2015, 04, 1550004.	1.1	3
20	Leading digit laws on linear Lie groups. <i>Research in Number Theory</i> , 2015, 1, 1.	0.4	0
21	Newman's conjecture in function fields. <i>Journal of Number Theory</i> , 2015, 157, 154-169.	0.4	4
22	Continued Fraction Digit Averages and Maclaurin's Inequalities. <i>Experimental Mathematics</i> , 2015, 24, 23-44.	0.7	2
23	Equipartitions and a distribution for numbers: A statistical model for Benford's law. <i>Physical Review E</i> , 2015, 91, 062138.	2.1	9
24	The James Function. <i>Mathematics Magazine</i> , 2015, 88, 54-71.	0.1	47
25	Maass Waveforms and Low-Lying Zeros. , 2015, , 19-55.		4
26	Newman's conjecture in various settings. <i>Journal of Number Theory</i> , 2014, 144, 70-91.	0.4	3
27	On the spectral distribution of large weighted random regular graphs. <i>Random Matrices: Theory and Application</i> , 2014, 03, 1450015.	1.1	4
28	Zeros of Dirichlet L -functions over function fields. <i>Communications in Number Theory and Physics</i> , 2014, 8, 511-539.	1.0	1
29	The Limiting Spectral Measure for Ensembles of Symmetric Block Circulant Matrices. <i>Journal of Theoretical Probability</i> , 2013, 26, 1020-1060.	0.8	6
30	Distribution of Missing Sums in Sumsets. <i>Experimental Mathematics</i> , 2013, 22, 132-156.	0.7	4
31	Closed Form Continued Fraction Expansions of Special Quadratic Irrationals. <i>ISRN Combinatorics</i> , 2013, 2013, 1-5.	0.2	2
32	Explicit Constructions of Large Families of Generalized More Sums Than Differences Sets. <i>Integers</i> , 2012, 12, .	0.3	3
33	Low-lying zeros of number field L -functions. <i>Journal of Number Theory</i> , 2012, 132, 2866-2891.	0.4	14
34	Moments of the Rank of Elliptic Curves. <i>Canadian Journal of Mathematics</i> , 2012, 64, 151-182.	0.6	1
35	Distribution of Eigenvalues of Highly Palindromic Toeplitz Matrices. <i>Journal of Theoretical Probability</i> , 2012, 25, 464-495.	0.8	7
36	From Fibonacci numbers to central limit type theorems. <i>Journal of Combinatorial Theory - Series A</i> , 2012, 119, 1398-1413.	0.8	15

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37	Explicit constructions of infinite families of MSTD sets. <i>Journal of Number Theory</i> , 2010, 130, 1221-1233.	0.4	18
38	Nuclei, Primes and the Random Matrix Connection. <i>Symmetry</i> , 2009, 1, 64-105.	2.2	31
39	An orthogonal test of the L -functions Ratios conjecture. <i>Proceedings of the London Mathematical Society</i> , 2009, 99, 484-520.	1.3	19
40	The effect of convolving families of L -functions on the underlying group symmetries. <i>Proceedings of the London Mathematical Society</i> , 2009, 99, 787-820.	1.3	23
41	When almost all sets are difference dominated. <i>Random Structures and Algorithms</i> , 2009, 35, 118-136.	1.1	17
42	The Distribution of the Largest Nontrivial Eigenvalues in Families of Random Regular Graphs. <i>Experimental Mathematics</i> , 2008, 17, 231-244.	0.7	29
43	Order Statistics and Benford's Law. <i>International Journal of Mathematics and Mathematical Sciences</i> , 2008, 2008, 1-19.	0.7	15
44	A Probabilistic Proof of Wallis's Formula for π . <i>American Mathematical Monthly</i> , 2008, 115, 740-745.	0.3	14
45	Low-lying zeros of L -functions with orthogonal symmetry. <i>Duke Mathematical Journal</i> , 2007, 136, .	1.5	39
46	Benford's Law Applied to Hydrology Data—Results and Relevance to Other Geophysical Data. <i>Mathematical Geosciences</i> , 2007, 39, 469-490.	0.9	88
47	Distribution of Eigenvalues of Real Symmetric Palindromic Toeplitz Matrices and Circulant Matrices. <i>Journal of Theoretical Probability</i> , 2007, 20, 637-662.	0.8	27
48	The low lying zeros of a $GL(4)$ and a $GL(6)$ family of L -functions. <i>Compositio Mathematica</i> , 2006, 142, 1403-1425.	0.8	38
49	Investigations of Zeros near the Central Point of Elliptic Curve L -Functions. <i>Experimental Mathematics</i> , 2006, 15, 257-279.	0.7	24
50	Distribution of Eigenvalues for the Ensemble of Real Symmetric Toeplitz Matrices. <i>Journal of Theoretical Probability</i> , 2005, 18, 537-566.	0.8	58
51	Benford's law, values of L -functions and the $3x+1$ problem. <i>Acta Arithmetica</i> , 2005, 120, 269-297.	0.4	29
52	One- and two-level densities for rational families of elliptic curves: evidence for the underlying group symmetries. <i>Compositio Mathematica</i> , 2004, 140, 952-992.	0.8	72