

Steven J Miller

List of Publications by Year in descending order

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52
papers

777
citations

516710

16
h-index

552781

26
g-index

55
all docs

55
docs citations

55
times ranked

314
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Distribution of Eigenvalues for the Ensemble of Real Symmetric Toeplitz Matrices. <i>Journal of Theoretical Probability</i> , 2005, 18, 537-566.	0.8	58
4	The James Function. <i>Mathematics Magazine</i> , 2015, 88, 54-71.	0.1	47
5	Low-lying zeros of L-functions with orthogonal symmetry. <i>Duke Mathematical Journal</i> , 2007, 136, .	1.5	39
6	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
7	Nuclei, Primes and the Random Matrix Connection. <i>Symmetry</i> , 2009, 1, 64-105.	2.2	31
8	The Distribution of the Largest Nontrivial Eigenvalues in Families of Random Regular Graphs. <i>Experimental Mathematics</i> , 2008, 17, 231-244.	0.7	29
9	Benford's law, values of L-functions and the $3x+1$ problem. <i>Acta Arithmetica</i> , 2005, 120, 269-297.	0.4	29
10	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
11	Investigations of Zeros near the Central Point of Elliptic Curve L-Functions. <i>Experimental Mathematics</i> , 2006, 15, 257-279.	0.7	24
12	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
13	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
14	An orthogonal test of the L-functions Ratios conjecture. <i>Proceedings of the London Mathematical Society</i> , 2009, 99, 484-520.	1.3	19
15	Explicit constructions of infinite families of MSTD sets. <i>Journal of Number Theory</i> , 2010, 130, 1221-1233.	0.4	18
16	When almost all sets are difference dominated. <i>Random Structures and Algorithms</i> , 2009, 35, 118-136.	1.1	17
17	Order Statistics and Benford's Law. <i>International Journal of Mathematics and Mathematical Sciences</i> , 2008, 2008, 1-19.	0.7	15
18	From Fibonacci numbers to central limit type theorems. <i>Journal of Combinatorial Theory - Series A</i> , 2012, 119, 1398-1413.	0.8	15

#	ARTICLE	IF	CITATIONS
19	A Probabilistic Proof of Wallis's Formula for π . American Mathematical Monthly, 2008, 115, 740-745.	0.3	14
20	Low-lying zeros of number field L -functions. Journal of Number Theory, 2012, 132, 2866-2891.	0.4	14
21	Equipartitions and a distribution for numbers: A statistical model for Benford's law. Physical Review E, 2015, 91, 062138.	2.1	9
22	Distribution of Eigenvalues of Highly Palindromic Toeplitz Matrices. Journal of Theoretical Probability, 2012, 25, 464-495.	0.8	7
23	The Limiting Spectral Measure for Ensembles of Symmetric Block Circulant Matrices. Journal of Theoretical Probability, 2013, 26, 1020-1060.	0.8	6
24	One-level density for holomorphic cusp forms of arbitrary level. Research in Number Theory, 2017, 3, 1.	0.4	6
25	Distribution of Missing Sums in Sumsets. Experimental Mathematics, 2013, 22, 132-156.	0.7	4
26	On the spectral distribution of large weighted random regular graphs. Random Matrices: Theory and Application, 2014, 03, 1450015.	1.1	4
27	Newman's conjecture in function fields. Journal of Number Theory, 2015, 157, 154-169.	0.4	4
28	Maass Waveforms and Low-Lying Zeros. , 2015, , 19-55.		4
29	Explicit Constructions of Large Families of Generalized More Sums Than Differences Sets. Integers, 2012, 12, .	0.3	3
30	Newman's conjecture in various settings. Journal of Number Theory, 2014, 144, 70-91.	0.4	3
31	Limiting spectral measures for random matrix ensembles with a polynomial link function. Random Matrices: Theory and Application, 2015, 04, 1550004.	1.1	3
32	Fringe pairs in generalized MSTD sets. International Journal of Number Theory, 2017, 13, 2653-2675.	0.5	3
33	Closed Form Continued Fraction Expansions of Special Quadratic Irrationals. ISRN Combinatorics, 2013, 2013, 1-5.	0.2	2
34	Continued Fraction Digit Averages and Maclaurin's Inequalities. Experimental Mathematics, 2015, 24, 23-44.	0.7	2
35	Summand minimality and asymptotic convergence of generalized Zeckendorf decompositions. Research in Number Theory, 2018, 4, 1.	0.4	2
36	Recurrence relations and Benford's law. Statistical Methods and Applications, 2021, 30, 797-817.	1.2	2

#	ARTICLE	IF	CITATIONS
37	Moments of the Rank of Elliptic Curves. Canadian Journal of Mathematics, 2012, 64, 151-182.	0.6	1
38	The M&M Game: From Morsels to Modern Mathematics. Mathematics Magazine, 2017, 90, 197-207.	0.1	1
39	A Geometric Perspective on the MSTD Question. Discrete and Computational Geometry, 2019, 62, 832-855.	0.6	1
40	Dimensional lower bounds for Falconer type incidence theorems. Journal D'Analyse Mathematique, 2019, 139, 143-154.	0.8	1
41	Spectral statistics of non-Hermitian random matrix ensembles. Random Matrices: Theory and Application, 2019, 08, 1950005.	1.1	1
42	A Refined Conjecture for the Variance of Gaussian Primes across Sectors. Experimental Mathematics, 2020, , 1-21.	0.7	1
43	Lessons from the German Tank Problem. Mathematical Intelligencer, 2021, 43, 19-28.	0.2	1
44	Individual Gap Measures from Generalized Zeckendorf Degompositions. Uniform Distribution Theory, 2017, 12, 27-36.	0.2	1
45	Lower-Order Biases in the Second Moment of Dirichlet Coefficients in Families of L -Functions. Experimental Mathematics, 2023, 32, 431-456.	0.7	1
46	Zeros of Dirichlet L -functions over function fields. Communications in Number Theory and Physics, 2014, 8, 511-539.	1.0	1
47	Leading digit laws on linear Lie groups. Research in Number Theory, 2015, 1, 1.	0.4	0
48	Geometric-progression-free sets over quadratic number fields. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 2017, 147, 245-262.	1.2	0
49	Random matrix ensembles with split limiting behavior. Random Matrices: Theory and Application, 2018, 07, 1850006.	1.1	0
50	EXTENSIONS OF AUTOCORRELATION INEQUALITIES WITH APPLICATIONS TO ADDITIVE COMBINATORICS. Bulletin of the Australian Mathematical Society, 2020, 102, 451-461.	0.5	0
51	The explicit Sato-Tate conjecture for primes in arithmetic progressions. International Journal of Number Theory, 2021, 17, 1905-1923.	0.5	0
52	Distribution of Missing Differences in Diffsets. Springer Proceedings in Mathematics and Statistics, 2021, , 261-281.	0.2	0