

# Karl Dilcher

## List of Publications by Year in descending order

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citations

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times ranked

228  
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#	ARTICLE	IF	CITATIONS
1	Arithmetic properties of polynomial solutions of the Diophantine equation $P(x)x^{n+1}+Q(x)(x+1)^{n+1}=1$ . Periodica Mathematica Hungarica, 2022, 84, 89-118.	0.5	0
2	Hankel determinants of sequences related to Bernoulli and Euler polynomials. International Journal of Number Theory, 2022, 18, 331-359.	0.2	1
3	Some properties of a class of sparse polynomials. Journal of Mathematical Analysis and Applications, 2022, 505, 125449.	0.5	0
4	Polynomial analogues of restricted multicolor b-ary partition functions. International Journal of Number Theory, 2021, 17, 371-391.	0.2	0
5	Orthogonal polynomials and Hankel determinants for certain Bernoulli and Euler polynomials. Journal of Mathematical Analysis and Applications, 2021, 497, 124855.	0.5	1
6	Analytic Continuations of Character and Alternating Tornheim Zeta Functions. American Mathematical Monthly, 2021, 128, 780-795.	0.2	0
7	Nonlinear Identities for Bernoulli and Euler Polynomials. Springer Proceedings in Mathematics and Statistics, 2020, , 369-376.	0.1	1
8	Identities for Bernoulli polynomials related to multiple Tornheim zeta functions. Journal of Mathematical Analysis and Applications, 2019, 476, 569-584.	0.5	3
9	Properties of Multivariate $\vec{b}$ -Ary Stern Polynomials. Annals of Combinatorics, 2019, 23, 695-711.	0.3	1
10	Continued fractions and Stern polynomials. Ramanujan Journal, 2018, 45, 659-681.	0.4	1
11	Derivatives and fast evaluation of the Tornheim zeta function. Ramanujan Journal, 2018, 45, 413-432.	0.4	11
12	Infinite products involving Dirichlet characters and cyclotomic polynomials. Advances in Applied Mathematics, 2018, 100, 43-70.	0.4	1
13	Continued fractions and polynomials related to hyperbinary representations. Bulletin of the Polish Academy of Sciences Mathematics, 2018, 66, 9-29.	0.4	1
14	An explicit form of the polynomial part of a restricted partition function. Research in Number Theory, 2017, 3, 1.	0.1	5
15	Generalized Stern polynomials and hyperbinary representations. Bulletin of the Polish Academy of Sciences Mathematics, 2017, 65, 11-28.	0.4	4
16	A role for generalized Fermat numbers. Mathematics of Computation, 2016, 86, 899-933.	1.1	1
17	Euler and the Strong Law of Small Numbers. American Mathematical Monthly, 2016, 123, 486.	0.2	0
18	Analogues of the binomial coefficient theorems of Gauss and Jacobi. International Journal of Number Theory, 2016, 12, 2125-2145.	0.2	0

#	ARTICLE	IF	CITATIONS
19	Nonlinear recurrences related to Chebyshev polynomials. Ramanujan Journal, 2016, 41, 147-169.	0.4	0
20	General convolution identities for Bernoulli and Euler polynomials. Journal of Mathematical Analysis and Applications, 2016, 435, 1478-1498.	0.5	16
21	Zeros and irreducibility of polynomials with gcd powers as coefficients. Ramanujan Journal, 2015, 36, 227-236.	0.4	0
22	The Polynomials of Mahler and Roots of Unity. American Mathematical Monthly, 2015, 122, 338.	0.2	0
23	Hyperbinary Expansions and Stern Polynomials. Electronic Journal of Combinatorics, 2015, 22, .	0.2	5
24	The Gauss-Wilson theorem for quarter-intervals. Acta Mathematica Hungarica, 2014, 142, 199-230.	0.3	4
25	Higher-order convolutions for Bernoulli and Euler polynomials. Journal of Mathematical Analysis and Applications, 2014, 419, 1235-1247.	0.5	14
26	On the Roots of Expected Independence Polynomials. Journal of Graph Theory, 2013, 73, 322-326.	0.5	5
27	Sums of reciprocals modulo composite integers. Journal of Number Theory, 2013, 133, 3565-3577.	0.2	0
28	On a sequence of sparse binomial-type polynomials. Journal of Mathematical Analysis and Applications, 2013, 398, 128-137.	0.5	2
29	On a congruence of Emma Lehmer related to Euler numbers. Acta Arithmetica, 2013, 161, 47-67.	0.2	2
30	An Introduction to Gauss Factorials. American Mathematical Monthly, 2011, 118, 812.	0.2	6
31	Integrals of products of Bernoulli polynomials. Journal of Mathematical Analysis and Applications, 2011, 381, 10-16.	0.5	11
32	Convolution and Reciprocity Formulas for Bernoulli Polynomials. Integers, 2011, 11, .	0.3	1
33	THE MULTIPLICATIVE ORDERS OF CERTAIN GAUSS FACTORIALS. International Journal of Number Theory, 2011, 07, 145-171.	0.2	8
34	Convolution Identities for Stirling Numbers of the First Kind. Integers, 2010, 10, .	0.3	3
35	Mod $p^3$ analogues of theorems of Gauss and Jacobi on binomial coefficients. Acta Arithmetica, 2010, 142, 103-118.	0.2	12
36	Higher-order recurrences for Bernoulli numbers. Journal of Number Theory, 2009, 129, 1837-1847.	0.2	21

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37	A binomial sum related to Wolstenholme's theorem. <i>Journal of Number Theory</i> , 2009, 129, 2659-2672.	0.2	3
38	Shortened recurrence relations for Bernoulli numbers. <i>Discrete Mathematics</i> , 2009, 309, 887-898.	0.4	24
39	Stern polynomials and double-limit continued fractions. <i>Acta Arithmetica</i> , 2009, 140, 119-134.	0.2	13
40	Reciprocity Relations for Bernoulli Numbers. <i>American Mathematical Monthly</i> , 2008, 115, 237-244.	0.2	16
41	On multiple zeros of Bernoulli polynomials. <i>Acta Arithmetica</i> , 2008, 134, 149-155.	0.2	5
42	A POLYNOMIAL ANALOGUE TO THE STERN SEQUENCE. <i>International Journal of Number Theory</i> , 2007, 03, 85-103.	0.2	27
43	Convolution identities and lacunary recurrences for Bernoulli numbers. <i>Journal of Number Theory</i> , 2007, 124, 105-122.	0.2	60
44	Divisibility properties of a class of binomial sums. <i>Journal of Number Theory</i> , 2006, 120, 349-371.	0.2	9
45	On finite pattern-free sets of integers. <i>Acta Arithmetica</i> , 2006, 121, 313-325.	0.2	4
46	A Pascal-Type Triangle Characterizing Twin Primes. <i>American Mathematical Monthly</i> , 2005, 112, 673-681.	0.2	5
47	A Pascal-Type Triangle Characterizing Twin Primes. <i>American Mathematical Monthly</i> , 2005, 112, 673.	0.2	12
48	Resultants and discriminants of Chebyshev and related polynomials. <i>Transactions of the American Mathematical Society</i> , 2004, 357, 965-981.	0.5	25
49	Dedekind Sums and Uniform Distributions. <i>American Mathematical Monthly</i> , 2002, 109, 279.	0.2	1
50	Dedekind Sums and Uniform Distributions. <i>American Mathematical Monthly</i> , 2002, 109, 279-284.	0.2	1
51	Arithmetic Properties of Bernoulli's $\zeta$ Numbers and Polynomials. <i>Journal of Number Theory</i> , 2002, 92, 330-347.	0.2	6
52	An Extension of Fermat's Little Theorem, and Congruences for Stirling Numbers. <i>American Mathematical Monthly</i> , 2000, 107, 936-940.	0.2	4
53	An Extension of Fermat's Little Theorem, and Congruences for Stirling Numbers. <i>American Mathematical Monthly</i> , 2000, 107, 936.	0.2	1
54	Nested Squares and Evaluations of Integer Products. <i>Experimental Mathematics</i> , 2000, 9, 369-372.	0.5	2

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55	Wilson quotients for composite moduli. <i>Mathematics of Computation</i> , 1998, 67, 843-862.	1.1	8
56	A search for Wieferich and Wilson primes. <i>Mathematics of Computation</i> , 1997, 66, 433-450.	1.1	90
57	Fermat Quotients for Composite Moduli. <i>Journal of Number Theory</i> , 1997, 66, 29-50.	0.2	36
58	Zeros of Sections of Divergent Power Series. <i>Journal of Mathematical Analysis and Applications</i> , 1996, 198, 98-110.	0.5	4
59	Sums of Products of Bernoulli Numbers. <i>Journal of Number Theory</i> , 1996, 60, 23-41.	0.2	105
60	Some q-series identities related to divisor functions. <i>Discrete Mathematics</i> , 1995, 145, 83-93.	0.4	46
61	Zeros of Iterated Integrals of Polynomials. <i>Canadian Journal of Mathematics</i> , 1995, 47, 65-87.	0.3	6
62	A New Criterion for the First Case of Fermat's Last Theorem. <i>Mathematics of Computation</i> , 1995, 64, 363.	1.1	7
63	On generalized gamma functions related to the Laurent coefficients of the Riemann zeta function. <i>Aequationes Mathematicae</i> , 1994, 48, 55-85.	0.4	14
64	An inequality for sections of certain power series. <i>Archiv Der Mathematik</i> , 1993, 60, 339-344.	0.3	7
65	The zeros of a certain family of trinomials. <i>Glasgow Mathematical Journal</i> , 1992, 34, 55-74.	0.2	11
66	Generalized Euler constants for arithmetical progressions. <i>Mathematics of Computation</i> , 1992, 59, 259-282.	1.1	24
67	On a class of nonlinear differential operators acting on polynomials. <i>Journal of Mathematical Analysis and Applications</i> , 1992, 170, 382-400.	0.5	9
68	Real Wronskian zeros of polynomials with nonreal zeros. <i>Journal of Mathematical Analysis and Applications</i> , 1991, 154, 164-183.	0.5	4
69	Zeros of the Wronskian of a polynomial. <i>Journal of Mathematical Analysis and Applications</i> , 1991, 162, 430-451.	0.5	13
70	Polynomials Related to Expansions of Certain Rational Functions in Two Variables. <i>SIAM Journal on Mathematical Analysis</i> , 1988, 19, 473-483.	0.9	1
71	Asymptotic behaviour of Bernoulli, Euler, and generalized Bernoulli polynomials. <i>Journal of Approximation Theory</i> , 1987, 49, 321-330.	0.5	25
72	A generalization of the Eneström-Kakeya theorem. <i>Journal of Mathematical Analysis and Applications</i> , 1986, 116, 473-488.	0.5	6

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73	The Powers of Certain Number-Theoretic Matrices. American Mathematical Monthly, 0, , 1-20.	0.2	0