

Wadim Zudilin

List of Publications by Year in descending order

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102
papers

1,479
citations

393982

19
h-index

414034

32
g-index

114
all docs

114
docs citations

114
times ranked

246
citing authors

#	ARTICLE	IF	CITATIONS
1	Special Hypergeometric Motives and Their L -Functions: Asai Recognition. <i>Experimental Mathematics</i> , 2022, 31, 1278-1290.	0.5	5
2	APÉRY LIMITS FOR ELLIPTIC L -VALUES. <i>Bulletin of the Australian Mathematical Society</i> , 2022, 106, 273-279.	0.3	0
3	Dwork-type supercongruences through a creative q -microscope. <i>Journal of Combinatorial Theory - Series A</i> , 2021, 178, 105362.	0.5	36
4	Supercongruences for rigid hypergeometric Calabi-Yau threefolds. <i>Advances in Mathematics</i> , 2021, 393, 108058.	0.5	8
5	Automatic discovery of irrationality proofs and irrationality measures. <i>International Journal of Number Theory</i> , 2021, 17, 815-825.	0.2	7
6	A Common q -Analogue of Two Supercongruences. <i>Results in Mathematics</i> , 2020, 75, 1.	0.4	21
7	Two Definite Integrals That Are Definitely (and Surprisingly!) Equal. <i>Mathematical Intelligencer</i> , 2020, 42, 10-11.	0.1	1
8	Hypergeometric rational approximations to $\zeta(4)$. <i>Proceedings of the Edinburgh Mathematical Society</i> , 2020, 63, 374-397.	0.2	2
9	Short Walk Adventures. <i>Springer Proceedings in Mathematics and Statistics</i> , 2020, , 423-439.	0.1	2
10	Arithmetic of Catalan's constant and its relatives. <i>Abhandlungen Aus Dem Mathematischen Seminar Der Universitat Hamburg</i> , 2019, 89, 45-53.	0.2	0
11	Congruences for q -Binomial Coefficients. <i>Annals of Combinatorics</i> , 2019, 23, 1123-1135.	0.3	52
12	Many odd zeta values are irrational. <i>Compositio Mathematica</i> , 2019, 155, 938-952.	0.5	14
13	A MAGNETIC DOUBLE INTEGRAL. <i>Journal of the Australian Mathematical Society</i> , 2019, 107, 9-25.	0.3	4
14	On a q -deformation of modular forms. <i>Journal of Mathematical Analysis and Applications</i> , 2019, 475, 1636-1646.	0.5	25
15	HYPERGEOMETRIC MODULAR EQUATIONS. <i>Journal of the Australian Mathematical Society</i> , 2019, 107, 338-366.	0.3	1
16	A q -microscope for supercongruences. <i>Advances in Mathematics</i> , 2019, 346, 329-358.	0.5	135
17	HYPERGEOMETRY INSPIRED BY IRRATIONALITY QUESTIONS. <i>Kyushu Journal of Mathematics</i> , 2019, 73, 189-203.	0.2	4
18	Linear independence of dilogarithmic values. <i>Journal Fur Die Reine Und Angewandte Mathematik</i> , 2018, 2018, 193-223.	0.4	4

#	ARTICLE	IF	CITATIONS
19	Ramanujan-type formulae for $1/q$ -analogues. Integral Transforms and Special Functions, 2018, 29, 505-513.	0.8	17
20	Euler's factorial series and global relations. Journal of Number Theory, 2018, 186, 202-210.	0.2	13
21	A study of elliptic gamma function and allies. Research in Mathematical Sciences, 2018, 5, 1.	0.5	4
22	Many values of the Riemann zeta function at odd integers are irrational. Comptes Rendus Mathematique, 2018, 356, 707-711.	0.1	6
23	A VARIATION ON THE THEME OF NICOMACHUS. Bulletin of the Australian Mathematical Society, 2018, 97, 367-373.	0.3	1
24	SOME HYPERGEOMETRIC INTEGRALS FOR LINEAR FORMS IN ZETA VALUES. Bulletin of the Australian Mathematical Society, 2018, 98, 372-375.	0.3	0
25	Crouching AGM, Hidden Modularity. , 2018, , 169-187.		1
26	A modular supercongruence for ${}_6F_5$: An Apéry-like story. Annales De L'Institut Fourier, 2018, 68, 1987-2004.	0.2	9
27	A Determinantal Approach to Irrationality. Constructive Approximation, 2017, 45, 301-310.	1.8	2
28	On the Mahler measure of hyperelliptic families. Annales Mathematiques Du Quebec, 2017, 41, 199-211.	0.1	7
29	Holonomic Alchemy and Series for $1/\pi$. Springer Proceedings in Mathematics and Statistics, 2017, , 179-205.	0.1	3
30	On the $(K,2)$ supercongruence of Van Hamme. Journal of Mathematical Analysis and Applications, 2016, 433, 706-711.	0.5	38
31	On the irrationality of generalized q -logarithm. Research in Number Theory, 2016, 2, 1.	0.1	2
32	On the Mahler measure of a family of genus 2 curves. Mathematische Zeitschrift, 2016, 283, 1185-1193.	0.4	9
33	Further explorations of Boyd's conjectures and a conductor 21 elliptic curve. Journal of the London Mathematical Society, 2016, 93, 341-360.	0.5	5
34	Multiple q -Zeta Brackets. Mathematics, 2015, 3, 119-130.	1.1	10
35	Positivity of rational functions and their diagonals. Journal of Approximation Theory, 2015, 195, 57-69.	0.5	13
36	Two hypergeometric tales and a new irrationality measure of $\zeta(2)$. Annales Mathematiques Du Quebec, 2014, 38, 101-117.	0.1	6

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37	A GENERATING FUNCTION OF THE SQUARES OF LEGENDRE POLYNOMIALS. Bulletin of the Australian Mathematical Society, 2014, 89, 125-131.	0.3	14
38	On three theorems of Folsom, Ono and Rhoades. Proceedings of the American Mathematical Society, 2014, 143, 1471-1476.	0.4	15
39	On the Mahler Measure of $1+X+1/X+Y+1/Y$. International Mathematics Research Notices, 2014, 2014, 2305-2326.	0.5	24
40	Regulator of modular units and Mahler measures. Mathematical Proceedings of the Cambridge Philosophical Society, 2014, 156, 313-326.	0.3	16
41	On simultaneous diophantine approximations to $\sqrt{2}$ and $\sqrt{3}$.		

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55	Generalizations of Clausen's Formula and algebraic transformations of Calabi-Yau differential equations. Proceedings of the Edinburgh Mathematical Society, 2011, 54, 273-295.	0.2	36
56	The Erdős-Moser equation $1^k + 2^k + \dots + (m-1)^k = m^k$ revisited using continued fractions. Mathematics of Computation, 2011, 80, 1221-1221.	1.1	6
57	NEW REPRESENTATIONS FOR AP-LIKE SEQUENCES. Mathematika, 2010, 56, 107-117.	0.3	35
58	A refinement of Nesterenko's linear independence criterion with applications to zeta values. Mathematische Annalen, 2010, 347, 739-763.	0.7	15
59	A supercongruence motivated by the Legendre family of elliptic curves. Mathematical Notes, 2010, 88, 599-602.	0.1	5
60	Ramanujan-type supercongruences. Journal of Number Theory, 2009, 129, 1848-1857.	0.2	119
61	A hypergeometric problem. Journal of Computational and Applied Mathematics, 2009, 233, 856-857.	1.1	2
62	On the non-quadraticity of values of the q-exponential function and related q-series. Acta Arithmetica, 2009, 136, 243-269.	0.2	6
63	Linear independence of values of Tschakaloff functions with different parameters. Journal of Number Theory, 2008, 128, 2549-2558.	0.2	2
64	Hypergeometric transformations of linear forms in one logarithm. Functiones Et Approximatio, Commentarii Mathematici, 2008, 39, .	0.1	2
65	Rational Approximations to A q-Analogue of ζ and Some Other q-Series. Developments in Mathematics, 2008, , 123-139.	0.2	5
66	Zeta stars. Communications in Number Theory and Physics, 2008, 2, 325-347.	0.3	47
67	Approximations to -, di- and tri-logarithms. Journal of Computational and Applied Mathematics, 2007, 202, 450-459.	1.1	11
68	An elementary proof of the irrationality of Tschakaloff series. Journal of Mathematical Sciences, 2007, 146, 5669-5673.	0.1	0
69	A new lower bound for $\{ \text{Vert } (3/2)^k \text{Vert} \}$. Journal De Theorie Des Nombres De Bordeaux, 2007, 19, 311-323.	0.0	9
70	Irrationality measures for certain q-mathematical constants. Mathematica Scandinavica, 2007, 101, 104.	0.1	9
71	Euler's constant, q-logarithms, and formulas of Ramanujan and Gosper. Ramanujan Journal, 2006, 12, 225-244.	0.4	16
72	Approximations to q-logarithms and q-dilogarithms, with applications to q-zeta values. Journal of Mathematical Sciences, 2006, 137, 4673-4683.	0.1	8

#	ARTICLE	IF	CITATIONS
73	Irrationality of certain numbers that contain values of the di- and trilogarithm. <i>Mathematische Zeitschrift</i> , 2006, 254, 299-313.	0.4	1
74	SÉRIES HYPERGÉOMÉTRIQUES BASIQUES, q -ANALOGUES DES VALEURS DE LA FONCTION ZÉTA ET SÉRIES D'ÉISENSTEIN. <i>Journal of the Institute of Mathematics of Jussieu</i> , 2006, 5, 53.	0.4	24
75	Well-poised generation of Apéry-like recursions. <i>Journal of Computational and Applied Mathematics</i> , 2005, 178, 513-521.	1.1	2
76	New irrationality measures for q -logarithms. <i>Mathematics of Computation</i> , 2005, 75, 879-890.	1.1	14
77	Baker-Type Estimates for Linear Forms in the Values of q -Series. <i>Canadian Mathematical Bulletin</i> , 2005, 48, 147-160.	0.3	6
78	WELL-POISED HYPERGEOMETRIC TRANSFORMATIONS OF EULER-TYPE MULTIPLE INTEGRALS. <i>Journal of the London Mathematical Society</i> , 2004, 70, 215-230.	0.5	9
79	On theorems of Gelfond and Selberg concerning integral-valued entire functions. <i>Journal of Approximation Theory</i> , 2004, 130, 164-178.	0.5	7
80	Heine's basic transform and a permutation group for q -harmonic series. <i>Acta Arithmetica</i> , 2004, 111, 153-164.	0.2	16
81	Arithmetic of linear forms involving odd zeta values. <i>Journal De Theorie Des Nombres De Bordeaux</i> , 2004, 16, 251-291.	0.0	53
82	The Hypergeometric Equation and Ramanujan Functions. <i>Ramanujan Journal</i> , 2003, 7, 435-447.	0.4	17
83	Diophantine properties of numbers related to Catalan's constant. <i>Mathematische Annalen</i> , 2003, 326, 705-721.	0.7	33
84	Well-poised hypergeometric series for diophantine problems of zeta values. <i>Journal De Theorie Des Nombres De Bordeaux</i> , 2003, 15, 593-626.	0.0	24
85	Irrationality of values of the Riemann zeta function. <i>Izvestiya Mathematics</i> , 2002, 66, 489-542.	0.1	21
86	Remarks on irrationality of q -harmonic series. <i>Manuscripta Mathematica</i> , 2002, 107, 463-477.	0.3	12
87	Derivatives of Siegel modular forms and exponential functions. <i>Izvestiya Mathematics</i> , 2001, 65, 659-672.	0.1	4
88	On a measure of irrationality for values of G -functions. <i>Izvestiya Mathematics</i> , 1996, 60, 91-118.	0.1	1
89	Hyperelliptic curves and Somos sequences. , 0, , 97-113.		0
90	Some preliminaries from number theory. , 0, , 1-22.		0

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91	Quadratic irrationals through a magnifier. , 0, , 80-96.		0
92	Metric theory of continued fractions. , 0, , 64-79.		1
93	Continued fractions. , 0, , 23-63.		4
94	From folding to Fibonacci. , 0, , 114-126.		0
95	Irregular continued fractions. , 0, , 161-187.		0
96	The Erdős-Moser equation. , 0, , 147-160.		0
97	The integer part of $q\sqrt{\pm 1} + \sqrt{1}$. , 0, , 127-146.		0
98	Algebraic Independence of Mahler Functions via Radial Asymptotics. International Mathematics Research Notices, 0, , rnv139.	0.5	4
99	HEDGEHOGS IN LEHMER'S PROBLEM. Bulletin of the Australian Mathematical Society, 0, , 1-7.	0.3	2
100	A Hypergeometric Version of the Modularity of Rigid Calabi-Yau Manifolds. Symmetry, Integrability and Geometry: Methods and Applications (SIGMA), 0, , .	0.5	3
101	Hankel Determinants of Zeta Values. Symmetry, Integrability and Geometry: Methods and Applications (SIGMA), 0, , .	0.5	0
102	MAGNETIC (QUASI-)MODULAR FORMS. Nagoya Mathematical Journal, 0, , 1-16.	0.6	0