Victor H Moll

List of Publications by Year in Descending Order

64 papers	**403** citations	**12** h-index	**17** g-index
64 ext. papers	**461** ext. citations	**1.1** avg, IF	**3.47** L-index

#	Paper	IF	Citations
64	Mellin–Barnes integrals and the method of brackets. *European Physical Journal C*, **2022**, 82, 1	4.2	0
63	Analytic Expressions for Debye Functions and the Heat Capacity of a Solid. *Mathematics*, **2022**, 10, 1745	2.3	
62	Arithmetic properties of the sum of divisors. *Journal of Number Theory*, **2021**, 223, 325-349	0.5	
61	A triple integral analog of a multiple zeta value. *International Journal of Number Theory*, **2021**, 17, 223-237	0.5	
60	An extension of the method of brackets. Part 2. *Open Mathematics*, **2020**, 18, 983-995	0.8	0
59	A generalized modified Bessel function and a higher level analogue of the theta transformation formula. *Journal of Mathematical Analysis and Applications*, **2018**, 459, 385-418	1.1	2
58	Combinatorial and arithmetical properties of the restricted and associated Bell and factorial numbers. *Electronic Journal of Combinatorics*, **2018**, 9, 693-720	0	
57	The Method of Brackets in Experimental Mathematics **2018**, 307-318		
56	Modified Nörlund polynomials. *Ramanujan Journal*, **2017**, 42, 69-96	0.7	0
55	Periodicity in the p-adic valuation of a polynomial. *Journal of Number Theory*, **2017**, 180, 139-153	0.5	
54	Integrals of Frullani type and the method of brackets. *Open Mathematics*, **2017**, 15, 1-12	0.8	
53	An extension of the method of brackets. Part 1. *Open Mathematics*, **2017**, 15, 1181-1211	0.8	2
52	Asymptotics and exact formulas for Zagier polynomials. *Research in Number Theory*, **2016**, 2, 1	0.5	
51	A Hypergeometric Inequality. *Annals of Combinatorics*, **2016**, 20, 65-72	0.7	1
50	Pochhammer symbol with negative indices. A new rule for the method of brackets. *Open Mathematics*, **2016**, 14, 681-686	0.8	2
49	A symbolic approach to some identities for Bernoulli–Barnes polynomials. *International Journal of Number Theory*, **2016**, 12, 649-662	0.5	2
48	THE FINITE FOURIER TRANSFORM OF CLASSICAL POLYNOMIALS. *Journal of the Australian Mathematical Society*, **2015**, 98, 145-160	0.5	3

47 A by-product of an integral evaluation. *Ramanujan Journal*, **2015**, 37, 219-222   0.7

46 Self-reciprocal functions, powers of the Riemann zeta function and modular-type transformations. *Journal of Number Theory*, **2015**, 147, 211-249   0.5   9

45 Ramanujan's Master Theorem applied to the evaluation of Feynman diagrams. *Advances in Applied Mathematics*, **2015**, 63, 214-230   0.8   5

44 Identities for generalized Euler polynomials. *Integral Transforms and Special Functions*, **2014**, 25, 777-789   1   5

43 The Zagier polynomials. Part II: Arithmetic properties of coefficients. *Ramanujan Journal*, **2014**, 35, 361-390   0.9   1

42 The unimodality of a polynomial coming from a rational integral. Back to the original proof. *Journal of Mathematical Analysis and Applications*, **2014**, 420, 1154-1166   1.1   1

41 Generalized Fibonacci Polynomials and Fibonomial Coefficients. *Annals of Combinatorics*, **2014**, 18, 541-562   0.7   14

40 Recursion rules for the hypergeometric zeta function. *International Journal of Number Theory*, **2014**, 10, 1761-1782   0.5   4

39 On polynomials connected to powers of Bessel functions. *International Journal of Number Theory*, **2014**, 10, 1245-1257   0.5   5

38 The Zagier modification of Bernoulli numbers and a polynomial extension. Part I. *Ramanujan Journal*, **2014**, 33, 379-422   0.7   7

37 A special rational function with vanishing integral. *Integral Transforms and Special Functions*, **2013**, 24, 970-975   1

36 From sequences to polynomials and back, via operator orderings. *Journal of Mathematical Physics*, **2013**, 54, 123502   1.2   1

35 Complementary Bell Numbers: Arithmetical Properties and Wilf's Conjecture **2013**, 23-56   1

34 Ramanujan's Master Theorem. *Ramanujan Journal*, **2012**, 29, 103-120   0.7   28

33 The evaluation of a quartic integral via Schwinger, Schur and Bessel. *Ramanujan Journal*, **2012**, 28, 1-14   0.7   1

32 THE ITERATED INTEGRALS OF ln(1 + xn). *International Journal of Number Theory*, **2012**, 08, 71-94   0.5   2

31 ITERATED PRIMITIVES OF LOGARITHMIC POWERS. *International Journal of Number Theory*, **2011**, 07, 623-634   0.5   3

30 A Binary Tree Representation for the 2-Adic Valuation of a Sequence Arising From a Rational Integral. *Integers*, **2010**, 10,   1

29	THE ACTION OF HECKE OPERATORS ON HYPERGEOMETRIC FUNCTIONS. *Journal of the Australian Mathematical Society*, **2010**, 89, 51-74	0.5	1
28	A fast numerical algorithm for the integration of rational functions. *Numerische Mathematik*, **2010**, 115, 289-307	2.2	
27	Definite integrals by the method of brackets. Part 1??The first author was partially funded by Fondecyt (Chile), Grant number 3080029. The work of the second author was partially funded by NSF-DMS 0070567.. *Advances in Applied Mathematics*, **2010**, 45, 50-73	0.8	12
26	The evaluation of Tornheim double sums. Part 2. *Ramanujan Journal*, **2010**, 22, 55-99	0.7	4
25	A formula for a quartic integral: a survey of old proofs and some new ones. *Ramanujan Journal*, **2009**, 18, 91-102	0.7	28
24	A class of logarithmic integrals. *Ramanujan Journal*, **2009**, 20, 91-126	0.7	4
23	A remarkable sequence of integers **2009**, 27, 289-312		11
22	The p-adic valuation of k-central binomial coefficients. *Acta Arithmetica*, **2009**, 140, 31-42	1.1	9
21	The 2-adic Valuation of Stirling Numbers. *Experimental Mathematics*, **2008**, 17, 69-82	0.5	17
20	The Laplace transform of the digamma function: An integral due to Glasser, Manna and Oloa. *Proceedings of the American Mathematical Society*, **2008**, 136, 3211-3221	0.8	3
19	Asymptotic valuations of sequences satisfying first order recurrences. *Proceedings of the American Mathematical Society*, **2008**, 137, 885-890	0.8	4
18	The 2-adic valuation of a sequence arising from a rational integral. *Journal of Combinatorial Theory - Series A*, **2008**, 115, 1474-1486	1	11
17	Arithmetical properties of a sequence arising from an arctangent sum. *Journal of Number Theory*, **2008**, 128, 1807-1846	0.5	12
16	A Simple Example of a New Class of Landen Transformations. *American Mathematical Monthly*, **2007**, 114, 232-241	0.3	5
15	Rational Landen transformations on $\mathbb{R}$. *Mathematics of Computation*, **2007**, 76, 2023-2044	1.6	3
14	The evaluation of Tornheim double sums, Part 1. *Journal of Number Theory*, **2006**, 116, 200-229	0.5	26
13	A generalized polygamma function. *Integral Transforms and Special Functions*, **2004**, 15, 101-115	1	11
12	On Some Families of Integrals Solvable in Terms of Polygamma and Negapolygamma Functions. *Integral Transforms and Special Functions*, **2003**, 14, 187-203	1	7

List of Publications

11	On Some Integrals Involving the Hurwitz Zeta Function: Part 1. *Ramanujan Journal*, **2002**, 6, 159-188	0.7	32
10	On Some Integrals Involving the Hurwitz Zeta Function: Part 2. *Ramanujan Journal*, **2002**, 6, 449-468	0.7	27
9	Landen transformations and the integration of rational functions. *Mathematics of Computation*, **2001**, 71, 649-669	1.6	6
8	An integral with three parameters. Part 2. *Journal of Computational and Applied Mathematics*, **2001**, 134, 113-126	2.4	2
7	The double square root, Jacobi polynomials and Ramanujan's Master Theorem. *Journal of Computational and Applied Mathematics*, **2001**, 130, 337-344	2.4	12
6	A rational Landen transformation. The case of degree six. *Contemporary Mathematics*, **2000**, 83-91	1.6	3
5	An integral hidden in Gradshteyn and Ryzhik. *Journal of Computational and Applied Mathematics*, **1999**, 106, 361-368	2.4	21
4	A Sequence of Unimodal Polynomials. *Journal of Mathematical Analysis and Applications*, **1999**, 237, 272-287	2.3	14
3	A Criterion for Unimodality. *Electronic Journal of Combinatorics*, **1999**, 6,	1.1	12
2	An Integral with Three Parameters. *SIAM Review*, **1998**, 40, 972-980	7.4	3
1	Activation waves in a model of platelet aggregation: existence of solutions and stability of travelling fronts. *Journal of Mathematical Biology*, **1993**, 31, 675-701	2	3