

# George E Andrews

## List of Publications by Year in descending order

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135  
papers

6,431  
citations

147801

31  
h-index

133252

59  
g-index

148  
all docs

148  
docs citations

148  
times ranked

1541  
citing authors

#	ARTICLE	IF	CITATIONS
1	Eight-vertex SOS model and generalized Rogers-Ramanujan-type identities. <i>Journal of Statistical Physics</i> , 1984, 35, 193-266.	1.2	745
2	Dyson's crank of a partition. <i>Bulletin of the American Mathematical Society</i> , 1988, 18, 167-171.	1.5	238
3	Multiple series Rogers-Ramanujan type identities. <i>Pacific Journal of Mathematics</i> , 1984, 114, 267-283.	0.5	167
4	The fifth and seventh order mock theta functions. <i>Transactions of the American Mathematical Society</i> , 1986, 293, 113-134.	0.9	128
5	Ramanujan's "lost" notebook VII: The sixth order mock theta functions. <i>Advances in Mathematics</i> , 1991, 89, 60-105.	1.1	122
6	Problems and Prospects for Basic Hypergeometric Functions. , 1975, , 191-224.		112
7	Partitions and indefinite quadratic forms. <i>Inventiones Mathematicae</i> , 1988, 91, 391-407.	2.5	100
8	An Introduction to Ramanujan's "Lost" Notebook. <i>American Mathematical Monthly</i> , 1979, 86, 89-108.	0.3	98
9	Ramanujan's "Lost" Notebook. I. Partial $\hat{f}$ -functions. <i>Advances in Mathematics</i> , 1981, 41, 137-172.	1.1	88
10	Partitions, Durfee symbols, and the Atkin's Garvan moments of ranks. <i>Inventiones Mathematicae</i> , 2007, 169, 37-73.	2.5	82
11	Plane partitions (III): The weak Macdonald conjecture. <i>Inventiones Mathematicae</i> , 1979, 53, 193-225.	2.5	79
12	An Introduction to Ramanujan's "lost" Notebook. <i>American Mathematical Monthly</i> , 1979, 86, 89.	0.3	78
13	Arithmetic properties of partitions with even parts distinct. <i>Ramanujan Journal</i> , 2010, 23, 169-181.	0.7	64
14	Two theorems of Gauss and allied identities proved arithmetically. <i>Pacific Journal of Mathematics</i> , 1972, 41, 563-578.	0.5	59
15	ON q-DIFFERENCE EQUATIONS FOR CERTAIN WELL-POISED BASIC HYPERGEOMETRIC SERIES. <i>Quarterly Journal of Mathematics</i> , 1968, 19, 433-447.	0.8	57
16	An Analytic Proof of the Rogers-Ramanujan-Gordon Identities. <i>American Journal of Mathematics</i> , 1966, 88, 844.	1.1	55
17	Rogers-Ramanujan identities for partitions with $\leq N$ copies of $N$ . <i>Journal of Combinatorial Theory - Series A</i> , 1987, 45, 40-49.	0.8	55
18	MacMahon's Partition Analysis: The Omega Package. <i>European Journal of Combinatorics</i> , 2001, 22, 887-904.	0.8	54

#	ARTICLE	IF	CITATIONS
19	Enumeration of Partitions: The Role of Eulerian Series and q-Orthogonal Polynomials. , 1977, , 3-26.		54
20	Plane partitions V: The TSSCPP conjecture. Journal of Combinatorial Theory - Series A, 1994, 66, 28-39.	0.8	50
21	Euler's Pentagonal Number Theorem. Mathematics Magazine, 1983, 56, 279-284.	0.1	48
22	q-series identities and values of certain L-functions. Duke Mathematical Journal, 2001, 108, .	1.5	46
23	Summations and Transformations for Basic Appell Series. Journal of the London Mathematical Society, 1972, s2-4, 618-622.	1.0	45
24	Ramanujan's "Lost" Notebook V: Euler's partition identity. Advances in Mathematics, 1986, 61, 156-164.	1.1	43
25	Singular overpartitions. International Journal of Number Theory, 2015, 11, 1523-1533.	0.5	43
26	The number of smallest parts in the partitions of n. Journal Fur Die Reine Und Angewandte Mathematik, 2008, 2008, .	0.9	42
27	q-analogs of the binomial coefficient congruences of Babbage, Wolstenholme and Glaisher. Discrete Mathematics, 1999, 204, 15-25.	0.7	38
28	Partitions with short sequences and mock theta functions. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 4666-4671.	7.1	38
29	The odd moments of ranks and cranks. Journal of Combinatorial Theory - Series A, 2013, 120, 77-91.	0.8	38
30	Bailey's Transform, Lemma, Chains and Tree. , 2001, , 1-22.		37
31	Partitions associated with the Ramanujan/Watson mock theta functions $\tilde{f}_0(q)$ , $\tilde{f}_{1/2}(q)$ and $\tilde{f}_1(q)$ . Research in Number Theory, 2015, 1, 1.	0.4	36
32	The WP-Bailey Tree and its Implications. Journal of the London Mathematical Society, 2002, 66, 529-549.	1.0	35
33	q-Orthogonal polynomials, Rogers-Ramanujan identities, and mock theta functions. Proceedings of the Steklov Institute of Mathematics, 2012, 276, 21-32.	0.3	34
34	Some new partition theorems. Journal of Combinatorial Theory, 1967, 2, 431-436.	0.4	33
35	Ramanujan's "Lost" notebook IV. Stacks and alternating parity in partitions. Advances in Mathematics, 1984, 53, 55-74.	1.1	33
36	A combinatorial interpretation of the Legendre-Stirling numbers. Proceedings of the American Mathematical Society, 2009, 137, 2581-2581.	0.8	33

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37	Lattice gas generalization of the hard hexagon model. I. Star-triangle relation and local densities. <i>Journal of Statistical Physics</i> , 1986, 44, 249-271.	1.2	29
38	q-identities of Auluck, Carlitz, and Rogers. <i>Duke Mathematical Journal</i> , 1966, 33, 575.	1.5	28
39	On Schur's second partition theorem. <i>Glasgow Mathematical Journal</i> , 1967, 8, 127-132.	0.3	28
40	A Note on Partitions and Triangles with Integer Sides. <i>American Mathematical Monthly</i> , 1979, 86, 477-478.	0.3	27
41	Euler's $\tau$ -function. <i>Bulletin of the American Mathematical Society</i> , 2007, 44, 561-573.	1.5	27
42	The Legendre-Stirling numbers. <i>Discrete Mathematics</i> , 2011, 311, 1255-1272.	0.7	27
43	Combinatorial interpretations of congruences for the spt-function. <i>Ramanujan Journal</i> , 2012, 29, 321-338.	0.7	27
44	Congruences related to the Ramanujan/Watson mock theta functions $\omega(q)$ and $u(q)$ . <i>Ramanujan Journal</i> , 2017, 43, 347-357.	0.7	27
45	A General Theorem on Partitions with Difference Conditions. <i>American Journal of Mathematics</i> , 1969, 91, 18.	1.1	26
46	On a Conjecture of Peter Borwein. <i>Journal of Symbolic Computation</i> , 1995, 20, 487-501.	0.8	26
47	Parity in partition identities. <i>Ramanujan Journal</i> , 2010, 23, 45-90.	0.7	26
48	MacMahon's Partition Analysis VI: A New Reduction Algorithm. <i>Annals of Combinatorics</i> , 2001, 5, 251-270.	0.6	25
49	A new four parameter q-series identity and its partition implications. <i>Inventiones Mathematicae</i> , 2003, 153, 231-260.	2.5	25
50	Continued fractions with three limit points. <i>Advances in Mathematics</i> , 2005, 192, 231-258.	1.1	25
51	Concave and convex compositions. <i>Ramanujan Journal</i> , 2013, 31, 67-82.	0.7	24
52	A new generalization of Schur's second partition theorem. <i>Acta Arithmetica</i> , 1968, 14, 429-434.	0.4	24
53	The Jacobi-Stirling numbers. <i>Journal of Combinatorial Theory - Series A</i> , 2013, 120, 288-303.	0.8	23
54	Determinant identities. <i>Pacific Journal of Mathematics</i> , 1993, 158, 1-14.	0.5	23

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55	q-Series Arising From The Study of Random Graphs. SIAM Journal on Discrete Mathematics, 1997, 10, 41-56.	0.8	22
56	Euler's Pentagonal Number Theorem and the Rogers-Fine Identity. Annals of Combinatorics, 2012, 16, 411-420.	0.6	22
57	The Bailey transform and false theta functions. Ramanujan Journal, 2007, 14, 173-188.	0.7	21
58	Ramanujan's Lost Notebook. , 2018, , .		21
59	MacMahon's Partition Analysis: II Fundamental Theorems. Annals of Combinatorics, 2000, 4, 327-338.	0.6	20
60	Ramanujan's "Lost" notebook IX: the partial theta function as an entire function. Advances in Mathematics, 2005, 191, 408-422.	1.1	20
61	Modularity of the concave composition generating function. Algebra and Number Theory, 2013, 7, 2103-2139.	0.6	20
62	A Theorem on Reciprocal Polynomials with Applications to Permutations and Compositions. American Mathematical Monthly, 1975, 82, 830-833.	0.3	19
63	Rogers-Ramanujan Type Identities for Partitions with Attached Odd Parts. Ramanujan Journal, 1997, 1, 91-99.	0.7	19
64	An Infinite Family of Engel Expansions of Rogers's "Ramanujan Type. Advances in Applied Mathematics, 2000, 25, 2-11.	0.7	19
65	Integrals, partitions and MacMahon's Theorem. Journal of Combinatorial Theory - Series A, 2007, 114, 545-554.	0.8	19
66	A generalization of the classical partition theorems. Transactions of the American Mathematical Society, 1969, 145, 205-221.	0.9	19
67	Questions and Conjectures in Partition Theory. American Mathematical Monthly, 1986, 93, 708-711.	0.3	18
68	MacMahon's Partition Analysis. Advances in Applied Mathematics, 2001, 27, 231-242.	0.7	18
69	Double series representations for Schur's partition function and related identities. Journal of Combinatorial Theory - Series A, 2015, 132, 102-119.	0.8	18
70	Integer Partitions with Even Parts Below Odd Parts and the Mock Theta Functions. Annals of Combinatorics, 2018, 22, 433-445.	0.6	18
71	Ramanujan's "Lost" Notebook. II. $\hat{f}_1$ -function expansions. Advances in Mathematics, 1981, 41, 173-185.	1.1	17
72	A Trinomial Analogue of Bailey's Lemma and $N = 2$ Superconformal Invariance. Communications in Mathematical Physics, 1998, 192, 245-260.	2.2	17

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73	Lattice gas generalization of the hard hexagon model. II. The local densities as elliptic functions. <i>Journal of Statistical Physics</i> , 1986, 44, 713-728.	1.2	16
74	Macmahon's partition analysis IX: $k$ -gon partitions. <i>Bulletin of the Australian Mathematical Society</i> , 2001, 64, 321-329.	0.5	16
75	Ramanujan's "Lost Notebook VIII: the entire Rogers' Ramanujan function. <i>Advances in Mathematics</i> , 2005, 191, 393-407.	1.1	15
76	On the Distribution of the spt-Crank. <i>Mathematics</i> , 2013, 1, 76-88.	2.2	15
77	On the difference of successive Gaussian polynomials. <i>Journal of Statistical Planning and Inference</i> , 1993, 34, 19-22.	0.6	14
78	Pfaff's method (I): The Mills-Robbins-Rumsey determinant. <i>Discrete Mathematics</i> , 1998, 193, 43-60.	0.7	13
79	Partitions with initial repetitions. <i>Acta Mathematica Sinica, English Series</i> , 2009, 25, 1437-1442.	0.6	13
80	Engel Expansions and the Rogers' Ramanujan Identities. <i>Journal of Number Theory</i> , 2000, 80, 273-290.	0.4	12
81	Extension of Abel's Lemma with $q$ -Series Implications. <i>Ramanujan Journal</i> , 2005, 10, 137-152.	0.7	12
82	A generalization of a partition theorem of MacMahon. <i>Journal of Combinatorial Theory</i> , 1967, 3, 100-101.	0.4	11
83	Stacked lattice boxes. <i>Annals of Combinatorics</i> , 1999, 3, 115-130.	0.6	11
84	MacMahon's partition analysis XII: Plane partitions. <i>Journal of the London Mathematical Society</i> , 2007, 76, 647-666.	1.0	11
85	The First Positive Rank and Crank Moments for Overpartitions. <i>Annals of Combinatorics</i> , 2016, 20, 193-207.	0.6	11
86	The Geometric Series in Calculus. <i>American Mathematical Monthly</i> , 1998, 105, 36-40.	0.3	10
87	On $q$ -series identities related to interval orders. <i>European Journal of Combinatorics</i> , 2014, 39, 178-187.	0.8	10
88	Pfaff's method (II): diverse applications. <i>Journal of Computational and Applied Mathematics</i> , 1996, 68, 15-23.	2.0	9
89	An algebraic identity of F.H. Jackson and its implications for partitions. <i>Discrete Mathematics</i> , 2001, 232, 77-83.	0.7	9
90	Characterizing the Number of $m$ -ary Partitions Modulo $m$ . <i>American Mathematical Monthly</i> , 2015, 122, 880.	0.3	9

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91	Congruences for the Fishburn numbers. <i>Journal of Number Theory</i> , 2016, 161, 298-310.	0.4	9
92	Almost partition identities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 5428-5436.	7.1	9
93	FOUR IDENTITIES FOR THIRD ORDER MOCK THETA FUNCTIONS. <i>Nagoya Mathematical Journal</i> , 2020, 239, 173-204.	0.8	9
94	The Well-Poised Thread: An Organized Chronicle of Some Amazing Summations and their Implications. <i>Ramanujan Journal</i> , 1997, 1, 7-23.	0.7	8
95	On Ramanujan's continued fraction for $(q^2; q^3)_{\infty} / (q; q^3)_{\infty}$ . <i>Transactions of the American Mathematical Society</i> , 2002, 355, 2397-2411.	0.9	8
96	Partitions with Parts Separated by Parity. <i>Annals of Combinatorics</i> , 2019, 23, 241-248.	0.6	8
97	On the Number of Even Parts in All Partitions of $\mathbb{N}$ into Distinct Parts. <i>Annals of Combinatorics</i> , 2020, 24, 47-54.	0.6	8
98	THE BAILEY TRANSFORM AND D.B. SEARS. <i>Quaestiones Mathematicae</i> , 1999, 22, 19-26.	0.6	7
99	ON $q$ -SERIES IDENTITIES ARISING FROM LECTURE HALL PARTITIONS. <i>International Journal of Number Theory</i> , 2009, 05, 327-337.	0.5	7
100	The dual of Göllnitz's (big) partition theorem. <i>Ramanujan Journal</i> , 2015, 36, 171-201.	0.7	7
101	Euler's Pentagonal Number Theorem. <i>Mathematics Magazine</i> , 1983, 56, 279.	0.1	7
102	A Quartic Key Identity for a Partition Theorem of Göllnitz. <i>Journal of Number Theory</i> , 1999, 75, 220-236.	0.4	6
103	$q$ -ENGEL SERIES EXPANSIONS AND SLATER'S IDENTITIES. <i>Quaestiones Mathematicae</i> , 2001, 24, 403-416.	0.6	6
104	MacMahon's sum-of-divisors functions, Chebyshev polynomials, and quasi-modular forms. <i>Journal Fur Die Reine Und Angewandte Mathematik</i> , 2013, 2013, .	0.9	6
105	Bailey Pairs With Free Parameters, Mock Theta Functions and Tubular Partitions. <i>Annals of Combinatorics</i> , 2014, 18, 563-578.	0.6	6
106	Some identities associated with mock theta functions $\omega(q)$ and $u(q)^{1/2}$ . <i>Ramanujan Journal</i> , 2019, 48, 613-622.	0.7	6
107	Ramanujan's congruences and Dyson's crank. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 15277-15277.	7.1	5
108	Carlitz and the general $3 \nmid 2$ . <i>Ramanujan Journal</i> , 2007, 13, 311-318.	0.7	5

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109	On the number of distinct multinomial coefficients. <i>Journal of Number Theory</i> , 2006, 118, 15-30.	0.4	4
110	On Sloane's generalization of non-squashing stacks of boxes. <i>Discrete Mathematics</i> , 2007, 307, 1185-1190.	0.7	4
111	The Geometric Series in Calculus. <i>American Mathematical Monthly</i> , 1998, 105, 36.	0.3	3
112	An algorithmic approach to discovering and proving $q$ -series identities. <i>Algorithmica</i> , 2001, 29, 34-43.	1.3	3
113	A New Partition Identity Coming from Complex Dynamics. <i>Annals of Combinatorics</i> , 2005, 9, 245-257.	0.6	3
114	Arithmetic Properties of $m$ -ary Partitions Without Gaps. <i>Annals of Combinatorics</i> , 2017, 21, 495-506.	0.6	3
115	Mac Mahon's Prime Numbers of Measurement. <i>American Mathematical Monthly</i> , 1975, 82, 922-923.	0.3	2
116	$a$ -Gaussian Polynomials and Finite Rogers-Ramanujan Identities. , 2005, , 39-60.		2
117	Binary partitions and binary partition polytopes. <i>Aequationes Mathematicae</i> , 2017, 91, 859-869.	0.8	2
118	Dyson's "Favorite" Identity and Chebyshev Polynomials of the Third and Fourth Kind. <i>Annals of Combinatorics</i> , 2019, 23, 443-464.	0.6	2
119	Combinatorics of periodic ellipsoidal billiards. <i>Ramanujan Journal</i> , 2023, 61, 135-147.	0.7	2
120	Partitions with Early Conditions. , 2013, , 57-76.		2
121	Some Debts I Owe. , 2001, , 1-16.		2
122	Engel Expansions of $q$ -Series by Computer Algebra. <i>Developments in Mathematics</i> , 2001, , 33-57.	0.4	2
123	Sequences in Partitions, Double $q$ -Series and the Mock Theta Function $\tilde{\beta}(q)$ . <i>Texts and Monographs in Symbolic Computation</i> , 2020, , 25-45.	0.4	2
124	The meaning of Ramanujan now and for the future. <i>Ramanujan Journal</i> , 2009, 20, 257-273.	0.7	1
125	Bressoud polynomials, Rogers's "Ramanujan type identities, and applications. <i>Ramanujan Journal</i> , 2016, 41, 287-304.	0.7	1
126	Partition identities with mixed mock modular forms. <i>Journal of Number Theory</i> , 2016, 158, 356-364.	0.4	1



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127	Basic Hypergeometric Series. By George Gasper and Mizan Rahman. American Mathematical Monthly, 1991, 98, 282-285.	0.3	0
128	Simplicity and Surprise in Ramanujan's "Lost" Notebook. American Mathematical Monthly, 1997, 104, 918-925.	0.3	0
129	On the work of Basil Gordon. Journal of Combinatorial Theory - Series A, 2006, 113, 21-38.	0.8	0
130	Ranks and Cranks, Part III. , 2012, , 71-88.		0
131	The mth Largest and mth Smallest Parts of a Partition. Annals of Combinatorics, 2016, 20, 635-640.	0.6	0
132	Recent Work on Mock Theta Functions. , 2018, , 365-372.		0
133	Symmetric Expansions of Very Well-Poised Basic Hypergeometric Series. , 2018, , 21-33.		0
134	How Ramanujan may have discovered the mock theta functions. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2020, 378, 20180436.	3.4	0
135	ON THE PARITY OF THE GENERALISED FROBENIUS PARTITION FUNCTIONS. Bulletin of the Australian Mathematical Society, 0, , 1-6.	0.5	0