

Victor J W Guo

List of Publications by Year in descending order

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122
papers

1,531
citations

331670

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122
docs citations

122
times ranked

115
citing authors

#	ARTICLE	IF	CITATIONS
1	A q-microscope for supercongruences. <i>Advances in Mathematics</i> , 2019, 346, 329-358.	1.1	135
2	q -Analogues of two Ramanujan-type formulas for $1/\bar{i}$. <i>Journal of Difference Equations and Applications</i> , 2018, 24, 1368-1373.	1.1	50
3	Some q-Supercongruences from Transformation Formulas for Basic Hypergeometric Series. <i>Constructive Approximation</i> , 2021, 53, 155-200.	3.0	49
4	A q-analogue of a Ramanujan-type supercongruence involving central binomial coefficients. <i>Journal of Mathematical Analysis and Applications</i> , 2018, 458, 590-600.	1.0	47
5	Two truncated identities of Gauss. <i>Journal of Combinatorial Theory - Series A</i> , 2013, 120, 700-707.	0.8	42
6	q-Supercongruences modulo the fourth power of a cyclotomic polynomial via creative microscoping. <i>Advances in Applied Mathematics</i> , 2020, 120, 102078.	0.7	40
7	Some New q-Congruences for Truncated Basic Hypergeometric Series: Even Powers. <i>Results in Mathematics</i> , 2020, 75, 1.	0.8	39
8	A family of q-hypergeometric congruences modulo the fourth power of a cyclotomic polynomial. <i>Israel Journal of Mathematics</i> , 2020, 240, 821-835.	0.8	36
9	Dwork-type supercongruences through a creative q-microscope. <i>Journal of Combinatorial Theory - Series A</i> , 2021, 178, 105362.	0.8	36
10	Some congruences involving fourth powers of central q -binomial coefficients. <i>Proceedings of the Royal Society of Edinburgh Section A: Mathematics</i> , 2020, 150, 1127-1138.	1.2	35
11	A New Family of q-Supercongruences Modulo the Fourth Power of a Cyclotomic Polynomial. <i>Results in Mathematics</i> , 2020, 75, 155.	0.8	28
12	Some q-analogues of supercongruences of Rodriguez-Villegas. <i>Journal of Number Theory</i> , 2014, 145, 301-316.	0.4	27
13	Proof of a basic hypergeometric supercongruence modulo the fifth power of a cyclotomic polynomial. <i>Journal of Difference Equations and Applications</i> , 2019, 25, 921-929.	1.1	27
14	Common q-Analogues of Some Different Supercongruences. <i>Results in Mathematics</i> , 2019, 74, 1.	0.8	27
15	q-Analogues of the (E.2) and (F.2) supercongruences of Van Hamme. <i>Ramanujan Journal</i> , 2019, 49, 531-544.	0.7	27
16	Some congruences related to a congruence of Van Hamme. <i>Integral Transforms and Special Functions</i> , 2020, 31, 221-231.	1.2	27
17	Some generalizations of a supercongruence of van Hamme. <i>Integral Transforms and Special Functions</i> , 2017, 28, 888-899.	1.2	26
18	Some arithmetic properties of the $\sum_{n=0}^{\infty} \binom{2n}{n} q^n$. <i>European Journal of Mathematics</i> , 2021, 6, 1-15.	0.8	25

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19	On a q -deformation of modular forms. <i>Journal of Mathematical Analysis and Applications</i> , 2019, 475, 1636-1646.	1.0	25
20	Factors of alternating sums of products of binomial and q -binomial coefficients. <i>Acta Arithmetica</i> , 2007, 127, 17-31.	0.4	25
21	Some q -supercongruences for truncated basic hypergeometric series. <i>Acta Arithmetica</i> , 2015, 171, 309-326.	0.4	24
22	Some congruences involving central q -binomial coefficients. <i>Advances in Applied Mathematics</i> , 2010, 45, 303-316.	0.7	23
23	The Eulerian distribution on involutions is indeed unimodal. <i>Journal of Combinatorial Theory - Series A</i> , 2006, 113, 1061-1071.	0.8	22
24	Proof of some conjectures of Z.-W. Sun on congruences for A_p^{α} polynomials. <i>Journal of Number Theory</i> , 2012, 132, 1731-1740.	0.4	22
25	A q -analogue of the (A.2) supercongruence of Van Hamme for primes $p \equiv 1 \pmod{4}$. <i>Revista De La Real Academia De Ciencias Exactas, Fisicas Y Naturales - Serie A: Matematicas</i> , 2020, 114, 1.	1.2	22
26	A Common q -Analogue of Two Supercongruences. <i>Results in Mathematics</i> , 2020, 75, 1.	0.8	21
27	Proof of a generalization of the (B.2) supercongruence of Van Hamme through a q -microscope. <i>Advances in Applied Mathematics</i> , 2020, 116, 102016.	0.7	21
28	Factors of binomial sums from the Catalan triangle. <i>Journal of Number Theory</i> , 2010, 130, 172-186.	0.4	20
29	A further q -analogue of Van Hamme's (H.2) supercongruence for primes $p \equiv 3 \pmod{4}$. <i>International Journal of Number Theory</i> , 2021, 17, 1201-1206.	0.5	20
30	Some divisibility properties of binomial and q -binomial coefficients. <i>Journal of Number Theory</i> , 2014, 135, 167-184.	0.4	19
31	Some New q -Congruences for Truncated Basic Hypergeometric Series. <i>Symmetry</i> , 2019, 11, 268.	2.2	19
32	q -Analogues of two divergent Ramanujan-type supercongruences. <i>Ramanujan Journal</i> , 2020, 52, 605-624.	0.7	19
33	The Rodriguez-Villegas type congruences for truncated q -hypergeometric functions. <i>Journal of Number Theory</i> , 2017, 174, 358-368.	0.4	18
34	A New Extension of the (A.2) Supercongruence of Van Hamme. <i>Results in Mathematics</i> , 2022, 77, 1.	0.8	18
35	Ramanujan-type formulae for $1/i$: q -analogues. <i>Integral Transforms and Special Functions</i> , 2018, 29, 505-513.	1.2	17
36	A q -analogue of the (I.2) supercongruence of Van Hamme. <i>International Journal of Number Theory</i> , 2019, 15, 29-36.	0.5	17

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37	q-Analogues of Dwork-type supercongruences. Journal of Mathematical Analysis and Applications, 2020, 487, 124022.	1.0	17
38	A q-analogue of the (L.2) supercongruence of Van Hamme. Journal of Mathematical Analysis and Applications, 2018, 466, 749-761.	1.0	16
39	q-Analogues of three Ramanujan-type formulas for $\sum_{n=0}^{\infty} \frac{q^n}{1+q^n}$. Ramanujan Journal, 2020, 52, 123-132.	0.7	16
40	NEW CONGRUENCES FOR SUMS INVOLVING APÉRY NUMBERS OR CENTRAL DELANNOY NUMBERS. International Journal of Number Theory, 2012, 08, 2003-2016.	0.5	15
41	Proof of a q-congruence conjectured by Tauraso. International Journal of Number Theory, 2019, 15, 37-41.	0.5	15
42	Proof of Some q-Supercongruences Modulo the Fourth Power of a Cyclotomic Polynomial. Results in Mathematics, 2020, 75, 1.	0.8	15
43	Some q -congruences with parameters. Acta Arithmetica, 2019, 190, 381-393.	0.4	15
44	A FAMILY OF q -SUPERCONGRUENCES MODULO THE CUBE OF A CYCLOTOMIC POLYNOMIAL. Bulletin of the Australian Mathematical Society, 2022, 105, 296-302.	0.5	14
45	Proof of two conjectures of Sun on congruences for Franel numbers. Integral Transforms and Special Functions, 2013, 24, 532-539.	1.2	12
46	A q-analogue of the (J.2) supercongruence of Van Hamme. Journal of Mathematical Analysis and Applications, 2018, 466, 776-788.	1.0	12
47	Factors of some truncated basic hypergeometric series. Journal of Mathematical Analysis and Applications, 2019, 476, 851-859.	1.0	12
48	Some variations of a q -divergent Ramanujan-type q-supercongruence. Journal of Difference Equations and Applications, 2021, 27, 376-388.	1.1	12
49	Bijections behind the Ramanujan Polynomials. Advances in Applied Mathematics, 2001, 27, 336-356.	0.7	11
50	Proof of Sun's conjectures on integer-valued polynomials. Journal of Mathematical Analysis and Applications, 2016, 444, 182-191.	1.0	11
51	q -analogues of two supercongruences of Z.-W. Sun. , 2020, 70, 757-765.		11
52	Elementary proofs of some q-identities of Jackson and Andrews's Jain. Discrete Mathematics, 2005, 295, 63-74.	0.7	10
53	Short proofs of summation and transformation formulas for basic hypergeometric series. Journal of Mathematical Analysis and Applications, 2007, 327, 310-325.	1.0	10
54	A generalization of the Ramanujan polynomials and plane trees. Advances in Applied Mathematics, 2007, 39, 96-115.	0.7	10

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55	A q -analogue of a curious supercongruence of Guillera and Zudilin. <i>Journal of Difference Equations and Applications</i> , 2019, 25, 342-350.	1.1	10
56	Proof of a generalization of the (C.2) supercongruence of Van Hamme. <i>Revista De La Real Academia De Ciencias Exactas, Fisicas Y Naturales - Serie A: Matematicas</i> , 2021, 115, 1.	1.2	10
57	Some congruences involving powers of Legendre polynomials. <i>Integral Transforms and Special Functions</i> , 2015, 26, 660-666.	1.2	9
58	Factors of Sums and Alternating Sums of Products of q -binomial Coefficients and Powers of q -integers. <i>Taiwanese Journal of Mathematics</i> , 2019, 23, .	0.4	9
59	A q -Analogue of Faulhaber's Formula for Sums of Powers. <i>Electronic Journal of Combinatorics</i> , 2004, 11, .	0.4	9
60	Proof of a supercongruence conjectured by Z.-H. Sun. <i>Integral Transforms and Special Functions</i> , 2014, 25, 1009-1015.	1.2	8
61	Basic and bibasic identities related to divisor functions. <i>Journal of Mathematical Analysis and Applications</i> , 2015, 431, 1197-1209.	1.0	8
62	Two q -congruences from Carlitz's formula. <i>Periodica Mathematica Hungarica</i> , 2021, 82, 82-86.	0.9	8
63	Some further q -series identities related to divisor functions. <i>Ramanujan Journal</i> , 2011, 25, 295-306.	0.7	7
64	A Combinatorial Proof of a Symmetric q -Pfaff-Saalschütz Identity. <i>Electronic Journal of Combinatorics</i> , 2005, 12, .	0.4	7
65	A short proof of the q -Dixon identity. <i>Discrete Mathematics</i> , 2005, 296, 259-261.	0.7	5
66	Multiple extensions of a finite Euler's pentagonal number theorem and the Lucas formulas. <i>Discrete Mathematics</i> , 2008, 308, 4069-4078.	0.7	5
67	Some q -congruences on double basic hypergeometric sums. <i>Journal of Difference Equations and Applications</i> , 2021, 27, 453-461.	1.1	5
68	Some q -supercongruences modulo the square and cube of a cyclotomic polynomial. <i>Revista De La Real Academia De Ciencias Exactas, Fisicas Y Naturales - Serie A: Matematicas</i> , 2021, 115, 132.	1.2	5
69	Two q -congruences involving double basic hypergeometric sums. <i>Revista De La Real Academia De Ciencias Exactas, Fisicas Y Naturales - Serie A: Matematicas</i> , 2022, 116, 1.	1.2	5
70	A simple proof of Dixon's identity. <i>Discrete Mathematics</i> , 2003, 268, 309-310.	0.7	4
71	Proof of a conjecture involving Sun polynomials. <i>Journal of Difference Equations and Applications</i> , 2016, 22, 1184-1197.	1.1	4
72	Proof of some conjectures of Z.-W. Sun on the divisibility of certain double sums. <i>International Journal of Number Theory</i> , 2016, 12, 615-623.	0.5	4

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73	A recursive algorithm for trees and forests. Discrete Mathematics, 2017, 340, 695-703.	0.7	4
74	A -ANALOGUE OF A HYPERGEOMETRIC CONGRUENCE. Bulletin of the Australian Mathematical Society, 2020, 101, 294-298.	0.5	4
75	PROOF OF TWO CONJECTURES ON SUPERCONGRUENCES INVOLVING CENTRAL BINOMIAL COEFFICIENTS. Bulletin of the Australian Mathematical Society, 2020, 102, 360-364.	0.5	4
76	A family of q -congruences modulo the square of a cyclotomic polynomial. Electronic Research Archive, 2020, 28, 1031-1036.	0.9	4
77	Combinatorial interpretations of the q -Faulhaber and q -Sali� coefficients. Journal of Combinatorial Theory - Series A, 2006, 113, 1501-1515.	0.8	3
78	Curious extensions of Ramanujan's q -congruences modulo the square of a cyclotomic polynomial. Electronic Research Archive, 2020, 28, 1031-1036.	1.0	3
79	Bijjective proofs of Gould's and Rothe's identities. Discrete Mathematics, 2008, 308, 1756-1759.	0.7	3
80	FACTORS OF SUMS AND ALTERNATING SUMS INVOLVING BINOMIAL COEFFICIENTS AND POWERS OF INTEGERS. International Journal of Number Theory, 2011, 07, 1959-1976.	0.5	3
81	Some congruences related to the q -Fermat quotients. International Journal of Number Theory, 2015, 11, 1049-1060.	0.5	3
82	Proof of a conjecture of Mircea Merca. Journal of Number Theory, 2015, 147, 590-593.	0.4	3
83	Another Family of q -Congruences Modulo the Square of a Cyclotomic Polynomial. Results in Mathematics, 2021, 76, 1.	0.8	3
84	Proof of two Divisibility Properties of Binomial Coefficients Conjectured by Z.-W. Sun. Electronic Journal of Combinatorics, 2014, 21, .	0.4	3
85	Factors of certain sums involving central q -binomial coefficients. Revista De La Real Academia De Ciencias Exactas, F�sicas Y Naturales - Serie A: Matem�ticas, 2022, 116, 1.	1.2	3
86	The number of convex polyominoes and the generating function of Jacobi polynomials. Discrete Applied Mathematics, 2006, 154, 587-593.	0.9	2
87	A new proof of a theorem of Mansour and Sun. European Journal of Combinatorics, 2008, 29, 1582-1584.	0.8	2
88	A q -analogue of Zhang's binomial coefficient identities. Discrete Mathematics, 2009, 309, 5913-5919.	0.7	2
89	New finite Rogers-Ramanujan identities. Ramanujan Journal, 2009, 19, 247-266.	0.7	2
90	Pairs of Lattice Paths and Positive Trigonometric Sums. Constructive Approximation, 2010, 32, 67-75.	3.0	2

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91	A quadratic formula for basic hypergeometric series related to Askey-Wilson polynomials. Proceedings of the American Mathematical Society, 2015, 143, 2003-2015.	0.8	2
92	Factors of alternating sums of powers of q -Narayana numbers. Journal of Number Theory, 2017, 177, 37-42.	0.4	2
93	A q -Clausen-Orr type formula and its applications. Journal of Mathematical Analysis and Applications, 2017, 453, 761-772.	1.0	2
94	A bijective proof of the Shor recurrence. European Journal of Combinatorics, 2018, 70, 92-98.	0.8	2
95	A new extension of the (H.2) supercongruence of Van Hamme for primes $p \equiv 3 \pmod{4}$. Ramanujan Journal, 2022, 57, 1387-1398.	0.7	2
96	A note on two identities arising from enumeration of convex polyominoes. Journal of Computational and Applied Mathematics, 2005, 180, 413-423.	2.0	1
97	On arithmetic partitions of $\sum_{k=0}^n \binom{n}{k} q^{\binom{k}{2}}$. European Journal of Combinatorics, 2009, 30, 1281-1288.	0.8	1
98	Contiguous relations and summation and transformation formulae for basic hypergeometric series. Journal of Difference Equations and Applications, 2013, 19, 2029-2042.	1.1	1
99	Proof of a conjecture of Z.-W. Sun on the divisibility of a triple sum. Journal of Number Theory, 2015, 156, 154-160.	0.4	1
100	Some congruences related to hypergeometric polynomials. Integral Transforms and Special Functions, 2017, 28, 181-184.	1.2	1
101	Proof of a conjecture of KlÅve on permutation codes under the Chebychev distance. Designs, Codes, and Cryptography, 2017, 83, 685-690.	1.6	1
102	Factors of sums involving q -binomial coefficients and powers of q -integers. Journal of Difference Equations and Applications, 0, , 1-10.	1.1	1
103	On the divisibility of sums involving powers of multi-variable Schmidt polynomials. International Journal of Number Theory, 2018, 14, 365-370.	0.5	1
104	Proofs of two conjectures on Catalan triangle numbers. Journal of Difference Equations and Applications, 2018, 24, 1473-1487.	1.1	1
105	A q -congruence involving the Jacobi symbol. International Journal of Number Theory, 2019, 15, 1977-1981.	0.5	1
106	A Chung-Feller theorem for lattice paths with respect to cyclically shifting boundaries. Journal of Algebraic Combinatorics, 2019, 50, 119-126.	0.8	1
107	Some q -analogues of supercongruences for truncated ${}_3F_2$ hypergeometric series. Ramanujan Journal, 2022, 59, 131-142.	0.7	1
108	On a generalization of a congruence related to q -Narayana numbers. Journal of Algebraic Combinatorics, 0, , 1.	0.8	1

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109	Further q-supercongruences from a transformation of Rahman. Journal of Mathematical Analysis and Applications, 2022, 511, 126062.	1.0	1
110	Some q-supercongruences from the Bailey transformation. Periodica Mathematica Hungarica, 0, , 1.	0.9	1
111	q -Analogues of some supercongruences related to Euler numbers. Journal of Difference Equations and Applications, 2022, 28, 58-72.	1.1	1
112	A NEW q -ANALOGUE OF VAN HAMME'S (A.2) SUPERCONGRUENCE. Bulletin of the Australian Mathematical Society, 2023, 107, 22-30.	0.5	1
113	A blossoming algorithm for tree volumes of composite digraphs. Advances in Applied Mathematics, 2003, 31, 321-333.	0.7	0
114	On the Least Common Multiple of q -Binomial Coefficients. Integers, 2010, 10, .	0.3	0
115	Proof of Andrews' conjecture on a 4 - \uparrow - 3 -summation. Journal of Difference Equations and Applications, 2013, 19, 1035-1041.	1.1	0
116	Proof of a congruence on sums of powers of q -binomial coefficients. International Journal of Number Theory, 2017, 13, 1571-1577.	0.5	0
117	On certain multi-variable rational identities derived from the rigidity of signature of manifolds. Journal of Mathematical Analysis and Applications, 2017, 453, 360-365.	1.0	0
118	A new proof of the q -Dixon identity. , 2018, 68, 577-580.		0
119	A symmetric generalization of an identity of Andrews and Yee. Discrete Mathematics, 2019, 342, 2112-2115.	0.7	0
120	Proof of a supercongruence conjectured by Sun through a $\{\vec{q}\}$ -microscope. Proceedings of the Indian Academy of Sciences: Mathematical Sciences, 2020, 130, 1.	0.1	0
121	Curious q -Analogues of Two Supercongruences Modulo the Third Power of a Prime. Results in Mathematics, 2021, 76, 1.	0.8	0
122	Some q -supercongruences related to Swisher's (H.3) conjecture. International Journal of Number Theory, 0, , 1-11.	0.5	0