

# Ernest X W Xia

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Generalizations of Hirschhorn's Results on Two Remarkable $q$ -Series Expansions. <i>Experimental Mathematics</i> , 2022, 31, 878-882.	0.7	5
2	Identities and inequalities for the $M_2$ -rank of partitions without repeated odd parts modulo 8. <i>Ramanujan Journal</i> , 2022, 58, 1259-1284.	0.7	1
3	Truncated sums for the partition function and a problem of Merca. <i>Revista De La Real Academia De Ciencias Exactas, Fisicas Y Naturales - Serie A: Matematicas</i> , 2022, 116, 1.	1.2	9
4	Proofs of some conjectures on the reciprocals of the Ramanujan-Gordon identities. <i>Ramanujan Journal</i> , 2021, 55, 497-515.	0.7	2
5	Proof of a conjectural congruence of Chan for Appell-Lerch sums. <i>International Journal of Number Theory</i> , 2021, 17, 1003-1011.	0.5	1
6	Several $q$ -series related to Ramanujan's theta functions. <i>Ramanujan Journal</i> , 2020, 53, 705-724.	0.7	11
7	Ramanujan's theta function identities and the relations between sums of squares and sums of triangular numbers. <i>International Journal of Number Theory</i> , 2020, 16, 1275-1294.	0.5	1
8	Arithmetic properties for 7-regular partition triples. <i>Indian Journal of Pure and Applied Mathematics</i> , 2020, 51, 717-733.	0.5	2
9	Proofs of some conjectures of Chan and Wang on congruences for $(q; q)_{\infty}^{\frac{a}{b}}$ . <i>Ramanujan Journal</i> , 2020, 53, 245-267.	0.7	3
10	Proofs of some conjectures of Sun on the relations between sums of squares and sums of triangular numbers. <i>International Journal of Number Theory</i> , 2019, 15, 189-212.	0.5	10
11	Congruences modulo 5 for the number of spin characters of the double covers of the symmetric and alternating groups. <i>Acta Arithmetica</i> , 2019, 187, 255-269.	0.4	4
12	New infinite families of congruences for the number of tagged parts over partitions with designated summands. <i>International Journal of Number Theory</i> , 2018, 14, 1935-1942.	0.5	2
13	Ramanujan-type congruences modulo 8 for 7- and 23-core partition functions. <i>Ramanujan Journal</i> , 2018, 47, 221-235.	0.7	0
14	Congruences modulo 4 for broken $k$ -diamond partitions. <i>Ramanujan Journal</i> , 2018, 45, 331-348.	0.7	0
15	Congruences for cubic partition pairs modulo powers of 3. <i>Ramanujan Journal</i> , 2018, 46, 563-578.	0.7	1
16	A generalization of Williams's results on Fourier coefficients of eta quotients. <i>Ramanujan Journal</i> , 2018, 45, 647-658.	0.7	0
17	Congruences modulo 11 for broken 5-diamond partitions. <i>Ramanujan Journal</i> , 2018, 46, 151-159.	0.7	0
18	On the log-concavity of the sequence for some combinatorial sequences. <i>Proceedings of the Royal Society of Edinburgh Section A: Mathematics</i> , 2018, 148, 881-892.	1.2	0

#	ARTICLE	IF	CITATIONS
19	Arithmetic properties for a partition function related to the Ramanujan/Watson mock theta function $\sum_{n \geq 0} p(n) q^n$ . Ramanujan Journal, 2018, 46, 545-562.	0.7	8
20	Congruences modulo 9 and 27 for overpartitions. Ramanujan Journal, 2017, 42, 301-323.	0.7	27
21	A Ramanujan-type congruence modulo 5 for 4-colored generalized Frobenius partitions. Ramanujan Journal, 2016, 39, 567-576.	0.7	7
22	On the number of representations of integers by sums of mixed numbers. International Journal of Number Theory, 2016, 12, 945-954.	0.5	0
23	Infinite families of congruences modulo 7 for broken 3-diamond partitions. Ramanujan Journal, 2016, 40, 389-403.	0.7	6
24	Arithmetic properties of bipartitions with 3-cores. Ramanujan Journal, 2015, 38, 529-548.	0.7	7
25	A NEW CONGRUENCE MODULO 25 FOR 1-SHELL TOTALLY SYMMETRIC PLANE PARTITIONS. Bulletin of the Australian Mathematical Society, 2015, 91, 41-46.	0.5	3
26	Two Formulas of 2-Color Off-Diagonal Rado Numbers. Graphs and Combinatorics, 2015, 31, 299-307.	0.4	1
27	A PROOF OF KEITH'S CONJECTURE FOR 9-REGULAR PARTITIONS MODULO 3. International Journal of Number Theory, 2014, 10, 669-674.	0.5	18
28	Evaluation of the convolution sum $\sum_{i+25j=n} f(i)f(j)$ . International Journal of Number Theory, 2014, 10, 1421-1430.	0.5	15
29	EVALUATION OF THE CONVOLUTION SUMS $\sum_{i+3j=n} f(i)f(j)$ AND $\sum_{3i+j=n} f(i)f(j)$ . International Journal of Number Theory, 2014, 10, 115-123.	0.5	10
30	CONGRUENCES MODULO POWERS OF 2 FOR FROBENIUS BRACELET PARTITIONS. Bulletin of the Australian Mathematical Society, 2014, 89, 360-372.	0.5	2
31	Some modular relations for Ramanujan's function $k(q) = r(q)r^2(q^2)$ . Ramanujan Journal, 2014, 35, 243-251.	0.7	2
32	Parity results for 9-regular partitions. Ramanujan Journal, 2014, 34, 109-117.	0.7	33
33	Some modular relations for the Göllnitz-Gordon functions and Ramanujan's modular equations. Indian Journal of Pure and Applied Mathematics, 2014, 45, 53-74.	0.5	1
34	Proof of a conjecture of Hirschhorn and Sellers on overpartitions. Acta Arithmetica, 2014, 163, 59-69.	0.4	23
35	Analogues of Ramanujan's partition identities. Ramanujan Journal, 2013, 31, 373-396.	0.7	49
36	On the 4-dissections of certain infinite products. Ramanujan Journal, 2013, 30, 1-7.	0.7	2

#	ARTICLE	IF	CITATIONS
37	2-Log-Concavity of the Boros-Moll Polynomials. Proceedings of the Edinburgh Mathematical Society, 2013, 56, 701-722.	0.3	10
38	ON THE REPRESENTATIONS OF INTEGERS BY CERTAIN QUADRATIC FORMS. International Journal of Number Theory, 2013, 09, 189-204.	0.5	2
39	EXPLICIT FORMULAS FOR THE FOURIER COEFFICIENTS OF A CLASS OF ETA QUOTIENTS. International Journal of Number Theory, 2013, 09, 487-503.	0.5	7
40	Eisenstein Series Identities Involving the Borweins' Cubic Theta Functions. Journal of Applied Mathematics, 2012, 2012, 1-14.	0.9	2
41	THE NUMBER OF REPRESENTATIONS OF AN INTEGER AS A SUM INVOLVING GENERALIZED PENTAGONAL NUMBERS. International Journal of Number Theory, 2012, 08, 1041-1056.	0.5	1
42	Arithmetic properties for Appell-Lerch sums. Ramanujan Journal, 0, , 1.	0.7	2