

# Yong-Gao Chen

## List of Publications by Year in descending order

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105  
papers

534  
citations

840776

11  
h-index

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g-index

107  
all docs

107  
docs citations

107  
times ranked

104  
citing authors

#	ARTICLE	IF	CITATIONS
1	On a problem on restricted $k$ -colored partitions. International Journal of Number Theory, 2022, 18, 467-472.	0.5	1
2	On a conjecture of Erdős and Lewin. Journal of Number Theory, 2022, 238, 763-778.	0.4	1
3	Integer sets with identical representation functions, II. European Journal of Combinatorics, 2021, 94, 103293.	0.8	2
4	A conjecture of Sárközy on quadratic residues. Journal of Number Theory, 2021, 229, 100-124.	0.4	5
5	On additive complements. IV. Journal of Combinatorial Theory - Series A, 2020, 171, 105176.	0.8	0
6	REPRESENTATION FUNCTIONS ON ABELIAN GROUPS. Bulletin of the Australian Mathematical Society, 2019, 99, 10-14.	0.5	0
7	On a conjecture of additive complements. Quarterly Journal of Mathematics, 2019, 70, 927-936.	0.8	4
8	On a problem of Erdős, Nathanson and Sárközy. Journal of Number Theory, 2019, 201, 135-147.	0.4	3
9	On the denominators of harmonic numbers, II. Journal of Number Theory, 2019, 200, 397-406.	0.4	5
10	Additive Complements with Narkiewicz's Condition. Combinatorica, 2019, 39, 813-823.	1.2	4
11	Diophantine equations involving Euler's totient function. Acta Arithmetica, 2019, 191, 33-65.	0.4	2
12	Arithmetic progressions in the least positive reduced residue systems. Journal of Number Theory, 2018, 190, 303-310.	0.4	2
13	On AP <sub>3</sub> -covering sequences. Comptes Rendus Mathematique, 2018, 356, 121-124.	0.3	1
14	On the denominators of harmonic numbers. Comptes Rendus Mathematique, 2018, 356, 129-132.	0.3	3
15	Erdős's "Birch type question in $\langle \mathbb{N} \rangle$ . Journal of Number Theory, 2018, 187, 233-249.	0.4	3
16	On the $r$ -th root partition function, II. Journal of Number Theory, 2018, 188, 392-409.	0.4	4
17	On the average value of the first $n$ values of the Euler function. Boletín De La Sociedad Matemática Mexicana, 2018, 24, 301-306.	0.7	0
18	On the shortest weakly prime-additive numbers. Journal of Number Theory, 2018, 182, 258-270.	0.4	3

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19	On certain properties of harmonic numbers. <i>Journal of Number Theory</i> , 2017, 175, 66-86.	0.4	10
20	The shifted sum of the first $n$ values of Euler's function. <i>International Journal of Number Theory</i> , 2017, 13, 1245-1251.	0.5	0
21	ON ADDITIVE REPRESENTATION FUNCTIONS. <i>Bulletin of the Australian Mathematical Society</i> , 2017, 96, 380-388.	0.5	1
22	Additive complements of the squares. <i>Journal of Number Theory</i> , 2017, 180, 410-422.	0.4	3
23	JEŃMANOWICZ'S CONJECTURE ON PYTHAGOREAN TRIPLES. <i>Bulletin of the Australian Mathematical Society</i> , 2017, 96, 30-35.	0.5	9
24	A quantitative form of the Erdős-Birch theorem. <i>Acta Arithmetica</i> , 2017, 178, 301-311.	0.4	4
25	On the $r$ -th Root Partition Function. <i>Taiwanese Journal of Mathematics</i> , 2016, 20, .	0.4	3
26	Critical numbers of intervals. <i>Journal of Number Theory</i> , 2016, 166, 400-405.	0.4	0
27	On a problem of Mircea Merca. <i>International Journal of Number Theory</i> , 2016, 12, 2017-2024.	0.5	0
28	On a generalization of a theorem of Sierpiński and Sárközy and Sárközy's. <i>European Journal of Combinatorics</i> , 2016, 54, 201-206.	0.8	1
29	On $d$ -complete sequences of integers. <i>Journal of Number Theory</i> , 2016, 164, 1-12.	0.4	1
30	On multiplicative functions with $f(p+q+n) = f(p) + f(q) + f(n)$ . <i>Journal of Number Theory</i> , 2016, 165, 270-289.	0.4	3
31	On a conjecture of de Koninck. <i>Journal of Number Theory</i> , 2015, 154, 324-364.	0.4	2
32	On the square-root partition function. <i>Comptes Rendus Mathematique</i> , 2015, 353, 287-290.	0.3	5
33	On the cardinality of general $\langle h \rangle$ -fold sumsets. <i>European Journal of Combinatorics</i> , 2015, 47, 103-114.	0.8	3
34	On a conjecture of Sierpiński and Szemerédi. <i>Acta Arithmetica</i> , 2015, 169, 47-58.	0.4	6
35	ON THE INTEGERS OF THE FORM $pa + b$ . <i>Taiwanese Journal of Mathematics</i> , 2014, 18, .	0.4	2
36	IMPROVED UPPER BOUNDS FOR ODD MULTIPERFECT NUMBERS. <i>Bulletin of the Australian Mathematical Society</i> , 2014, 89, 353-359.	0.5	3

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37	On monochromatic configurations for finite colorings. Discrete Mathematics, 2014, 333, 106-109.	0.7	0
38	On the products $\sum_{i=1}^n \sum_{j=1}^i a_i a_j$ . European Journal of Combinatorics, 2014, 41, 289-297.	0.4	5
39	On additive complements. III. Journal of Number Theory, 2014, 141, 83-91.	0.4	7
40	A lower bound on the least signless Laplacian eigenvalue of a graph. Linear Algebra and Its Applications, 2014, 448, 217-221.	0.9	7
41	Integers with a given number of divisors. Journal of Number Theory, 2014, 143, 109-124.	0.4	0
42	All sums of $h$ distinct terms of a sequence. European Journal of Combinatorics, 2014, 41, 289-297.	0.8	1
43	On a problem of Erdős. Ramanujan Journal, 2013, 30, 443-446.	0.7	1
44	Ruzsa's theorem on Erdős and Turán conjecture. European Journal of Combinatorics, 2013, 34, 410-413.	0.8	3
45	The inverse problem on subset sums. European Journal of Combinatorics, 2013, 34, 841-845.	0.8	5
46	Hegyi's Theorem on complete sequences. Journal of Number Theory, 2013, 133, 2857-2862.	0.4	2
47	On finite additive complements. Discrete Mathematics, 2013, 313, 595-598.	0.7	5
48	ARITHMETIC PROGRESSIONS IN SUMSETS AND DIFFERENCE SETS. International Journal of Number Theory, 2013, 09, 601-606.	0.5	1
49	On the Frobenius conjecture for Markoff numbers. Journal of Number Theory, 2013, 133, 2363-2373.	0.4	3
50	On the products $\sum_{i=1}^n \sum_{j=1}^i a_i a_j$ . European Journal of Combinatorics, 2013, 34, 841-845.	0.4	6
51	ON NEAR-PERFECT NUMBERS WITH TWO DISTINCT PRIME FACTORS. Bulletin of the Australian Mathematical Society, 2013, 88, 520-524.	0.5	5
52	On a theorem of Erdos and Sarkozy. Publicationes Mathematicae, 2013, 83, 407-413.	0.2	0
53	WEIGHTED REPRESENTATION FUNCTIONS ON $\mathbb{Z}_m$ . Taiwanese Journal of Mathematics, 2013, 17, .	0.4	4
54	On the counting function of Stanley sequences. Publicationes Mathematicae, 2013, 82, 91-95.	0.2	3

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55	SUMSETS AND DIFFERENCE SETS CONTAINING A COMMON TERM OF A SEQUENCE. Bulletin of the Australian Mathematical Society, 2012, 85, 79-83.	0.5	2
56	ON ODD PERFECT NUMBERS. Bulletin of the Australian Mathematical Society, 2012, 86, 510-514.	0.5	3
57	On a Problem of Nathanson Related to Minimal Additive Complements. SIAM Journal on Discrete Mathematics, 2012, 26, 1532-1536.	0.8	10
58	Weighted sums of consecutive values of a polynomial. Journal of Number Theory, 2012, 132, 2725-2735.	0.4	1
59	Partitions of natural numbers with the same weighted representation functions. Journal of Number Theory, 2012, 132, 3047-3055.	0.4	14
60	On the Elementary Symmetric Functions of $1, 1, 2, \dots, n$ . American Mathematical Monthly, 2012, 119, 862.	0.3	10
61	On the sum of distinct primes or squares of primes. Comptes Rendus Mathematique, 2012, 350, 647-649.	0.3	1
62	On the Erdős-Turán conjecture. Comptes Rendus Mathematique, 2012, 350, 933-935.	0.3	9
63	Remark on the completeness of an exponential type sequence. Acta Mathematica Hungarica, 2012, 136, 189-195.	0.5	6
64	Dynamics of Goldring's $w$ -function. Journal of Number Theory, 2012, 132, 390-409.	0.4	1
65	On a problem in additive number theory. Acta Mathematica Hungarica, 2012, 134, 416-430.	0.5	7
66	On minimal asymptotic bases. European Journal of Combinatorics, 2011, 32, 1329-1335.	0.8	13
67	On a problem of Cilleruelo and Nathanson. Combinatorica, 2011, 31, 691-696.	1.2	7
68	The permutation of integers with small least common multiple of two subsequent terms. Acta Mathematica Hungarica, 2011, 132, 307-309.	0.5	1
69	On the structure of the sumsets. Discrete Mathematics, 2011, 311, 408-412.	0.7	10
70	On additive complements. II. Proceedings of the American Mathematical Society, 2011, 139, 881-881.	0.8	10
71	THE CONGRUENT PROPERTIES FOR $r <sub>s</sub>(n)$ . International Journal of Number Theory, 2011, 07, 1595-1602.	0.5	1
72	Sequences of integers with missing quotients. Discrete Mathematics, 2010, 310, 1105-1111.	0.7	2

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73	Romanoff theorem in a sparse set. Science China Mathematics, 2010, 53, 2195-2202. The difference basis and bi-basis of $\langle \text{mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevier.com/xml/common/struct-cite/dtd" />$	1.7	5
74	On additive complements. Proceedings of the American Mathematical Society, 2010, 138, 1923-1927.	0.4	4
75	On additive complements. Proceedings of the American Mathematical Society, 2010, 138, 1923-1927.	0.8	12
76	EIGHT CONSECUTIVE POSITIVE ODD NUMBERS NONE OF WHICH CAN BE EXPRESSED AS A SUM OF TWO PRIME POWERS. Bulletin of the Australian Mathematical Society, 2009, 80, 237-243.	0.5	2
77	Partitions of natural numbers with the same representation functions. Journal of Number Theory, 2009, 129, 2689-2695.	0.4	24
78	Some extensions of a property of linear representation functions. Discrete Mathematics, 2009, 309, 6294-6298.	0.7	3
79	Davenport constant with weights and some related questions, II. Journal of Combinatorial Theory - Series A, 2008, 115, 178-184.	0.8	24
80	On a conjecture of Erdős, Graham and Spencer, II. Discrete Applied Mathematics, 2008, 156, 2950-2958.	0.9	1
81	Distribution of primes and dynamics of the $w$ function. Journal of Number Theory, 2008, 128, 2085-2090.	0.4	3
82	The analogue of Erdős-Turán conjecture in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll" > \langle \text{mml:msub} \langle \text{mml:mi mathvariant="bold" } Z \langle \text{mml:mi} \langle \text{mml:mi} \langle \text{mml:mi} \langle \text{mml:msub} \langle \text{mml:math} \rangle \rangle \rangle \rangle \rangle \rangle \rangle$ . Journal of Number Theory, 2008, 128, 2573-2581.	0.4	14
83	Dynamics of the $\$w\$$ function and the Green-Tao theorem on arithmetic progressions in the primes. Proceedings of the American Mathematical Society, 2008, 136, 2351-2357.	0.8	4
84	On the prime power factorization of $n!$ , II. Journal of Number Theory, 2007, 122, 290-300. On integers of the forms $\langle \text{mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevier.com/xml/common/struct-cite/dtd" />$	0.4	7
85	On the exponents modulo 3 in the standard factorisation of $n!$ . Bulletin of the Australian Mathematical Society, 2006, 73, 329-334.	0.4	14
86	On the exponents modulo 3 in the standard factorisation of $n!$ . Bulletin of the Australian Mathematical Society, 2006, 73, 329-334.	0.5	1
87	On a conjecture of Erdős, Graham and Spencer. Journal of Number Theory, 2006, 119, 307-314.	0.4	3
88	A basis of $Z_m$ . Colloquium Mathematicum, 2006, 104, 99-103.	0.3	8
89	On the monotonicity properties of additive representation functions. Bulletin of the Australian Mathematical Society, 2005, 72, 129-138.	0.5	12
90	On additive properties of general sequences. Bulletin of the Australian Mathematical Society, 2005, 71, 479-485.	0.5	7

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91	Five consecutive positive odd numbers, none of which can be expressed as a sum of two prime powers. <i>Mathematics of Computation</i> , 2005, 74, 1025-1031.	2.1	7
92	On the rational cuboids with a given face. <i>Journal of Number Theory</i> , 2005, 112, 205-215.	0.4	2
93	On Romanoff's constant. <i>Journal of Number Theory</i> , 2004, 106, 275-284.	0.4	23
94	Blocks of consecutive integers in sumsets $(A + B)t$ . <i>Bulletin of the Australian Mathematical Society</i> , 2004, 70, 283-291.	0.5	1
95	On the parity of exponents in the standard factorization of $n!$ . <i>Journal of Number Theory</i> , 2003, 100, 326-331.	0.4	6
96	On integers of the forms $kr^2n$ and $kr2n+1$ . <i>Journal of Number Theory</i> , 2003, 98, 310-319.	0.4	21
97	On subset sums of a fixed set. <i>Acta Arithmetica</i> , 2003, 106, 207-211.	0.4	4
98	On Integers of the Forms $k^2n$ and $k2n+1$ . <i>Journal of Number Theory</i> , 2001, 89, 121-125.	0.4	14
99	On the Prime Power Factorization of $n!$ . <i>Journal of Number Theory</i> , 2000, 82, 1-11.	0.4	8
100	On integers of the form $k2^n+1$ . <i>Proceedings of the American Mathematical Society</i> , 2000, 129, 355-361.	0.8	13
101	The Best Quantitative Kronecker's Theorem. <i>Journal of the London Mathematical Society</i> , 2000, 61, 691-705.	1.0	8
102	On the Irrationality of Certain Series. <i>Periodica Mathematica Hungarica</i> , 1999, 38, 31-37.	0.9	2
103	On integers of the form $2^k p^{\alpha_1} p^{\alpha_2} \dots p^{\alpha_r}$ . <i>Proceedings of the American Mathematical Society</i> , 1999, 128, 1613-1616.	0.8	11
104	Congruences for arithmetic functions. <i>Ramanujan Journal</i> , 0, , 1.	0.7	0
105	On positive integers $n$ with $\sigma_1(2n+1) < \sigma_1(2n)$ . <i>Periodica Mathematica Hungarica</i> , 0, , 1.	0.9	1