Yong-Gao Chen

List of Publications by Year
in descending order

105 papers	534 citations	840776 11 h-index	940533 16 g-index
107 all docs	107 docs citations	107 times ranked	104 citing authors

#	Article	IF	Citations
1	Davenport constant with weights and some related questions, II. Journal of Combinatorial Theory - Series A, 2008, 115, 178-184.	0.8	24
2	Partitions of natural numbers with the same representation functions. Journal of Number Theory, 2009, 129, 2689-2695.	0.4	24
3	On Romanoff's constant. Journal of Number Theory, 2004, 106, 275-284.	0.4	23
4	On integers of the forms $kr-2n$ and $kr2n+1$. Journal of Number Theory, 2003, 98, 310-319.	0.4	21
5	On Integers of the Forms $k-2n$ and $k2n+1$. Journal of Number Theory, 2001, 89, 121-125.	0.4	14
6	On integers of the forms <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"	0.4	14
7	The analogue of Erdős-Turán conjecture in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msub><mml:mi mathvariant="bold">Z</mml:mi><mml:mi>m</mml:mi></mml:msub></mml:math>. Journal of Number Theory, 2008, 128, 2573-2581.	0.4	14
8	Partitions of natural numbers with the same weighted representation functions. Journal of Number Theory, 2012, 132, 3047-3055.	0.4	14
9	On integers of the form $k2^{n}+1$. Proceedings of the American Mathematical Society, 2000, 129, 355-361.	0.8	13
10	On minimal asymptotic bases. European Journal of Combinatorics, 2011, 32, 1329-1335.	0.8	13
11	On the monotonicity properties of additive representation functions. Bulletin of the Australian Mathematical Society, 2005, 72, 129-138.	0.5	12
12	On additive complements. Proceedings of the American Mathematical Society, 2010, 138, 1923-1927.	0.8	12
13	On integers of the form $2^{k}pm\, p^{alpha _1}_1 p^{alpha _2}_2 dotsb p^{alpha _r}_r$. Proceedings of the American Mathematical Society, 1999, 128, 1613-1616.	0.8	11
14	On the structure of the sumsets. Discrete Mathematics, 2011, 311, 408-412.	0.7	10
15	On additive complements. II. Proceedings of the American Mathematical Society, 2011, 139, 881-881.	0.8	10
16	On a Problem of Nathanson Related to Minimal Additive Complements. SIAM Journal on Discrete Mathematics, 2012, 26, 1532-1536.	0.8	10
17	On the Elementary Symmetric Functions of 1, 1½2, …, 1½n. American Mathematical Monthly, 2012, 119, 862.	0.3	10
18	On certain properties of harmonic numbers. Journal of Number Theory, 2017, 175, 66-86.	0.4	10

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19	On the ErdÅ's–TurÃ¡n conjecture. Comptes Rendus Mathematique, 2012, 350, 933-935.	0.3	9
20	JEÅšMANOWICZâ€™ CONJECTURE ON PYTHAGOREANÂTRIPLES. Bulletin of the Australian Mathematical Society, 2017, 96, 30-35.	0.5	9
21	On the Prime Power Factorization of n!. Journal of Number Theory, 2000, 82, 1-11.	0.4	8
22	The Best Quantitative Kronecker's Theorem. Journal of the London Mathematical Society, 2000, 61, 691-705.	1.0	8
23	A basis of Zm. Colloquium Mathematicum, 2006, 104, 99-103.	0.3	8
24	On additive properties of general sequences. Bulletin of the Australian Mathematical Society, 2005, 71, 479-485.	0.5	7
25	Five consecutive positive odd numbers, none of which can be expressed as a sum of two prime powers. Mathematics of Computation, 2005, 74, 1025-1031.	2.1	7
26	On the prime power factorization of n!, II. Journal of Number Theory, 2007, 122, 290-300.	0.4	7
27	On a problem of Cilleruelo and Nathanson. Combinatorica, 2011, 31, 691-696.	1.2	7
28	On a problem in additive number theory. Acta Mathematica Hungarica, 2012, 134, 416-430.	0.5	7
29	On additive complements. III. Journal of Number Theory, 2014, 141, 83-91.	0.4	7
30	A lower bound on the least signless Laplacian eigenvalue of a graph. Linear Algebra and Its Applications, 2014, 448, 217-221.	0.9	7
31	On the parity of exponents in the standard factorization of n!. Journal of Number Theory, 2003, 100, 326-331.	0.4	6
32	Remark on the completeness of an exponential type sequence. Acta Mathematica Hungarica, 2012, 136, 189-195.	0.5	6
33	On the products mmlmath xmlnsmml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mo stretchy="false">(</mml:mo><mml:msup><mml:mrow><mml:mn>1</mml:mn></mml:mrow><mml:mrow><mml:mi>â„</mml:mi></... stretchy="false">(</mml:mo><mml:msup><mml:mrow><mml:mn>2</mml:mn></mml:mrow><mml:mrow><mml:mi>â„</mml:mi></...	0.4	6
34	On a conjecture of SÃ¡rkÃ¶zy and SzemerÃ©di. Acta Arithmetica, 2015, 169, 47-58.	0.4	6
35	Romanoff theorem in a sparse set. Science China Mathematics, 2010, 53, 2195-2202.	1.7	5
36	The inverse problem on subset sums. European Journal of Combinatorics, 2013, 34, 841-845.	0.8	5

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37	On finite additive complements. Discrete Mathematics, 2013, 313, 595-598.	0.7	5
38	ON NEAR-PERFECT NUMBERS WITH TWO DISTINCT PRIME FACTORS. Bulletin of the Australian Mathematical Society, 2013, 88, 520-524.	0.5	5
39	On the products <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mo stretchy="false">(</mml:mo><mml:msup><mml:mrow><mml:mn>1</mml:mn></mml:mrow><mml:mrow><mml:mi>â„</mml:mi></mml:mrow></mml:msup> ... stretchy="false">(</mml:mo><mml:msup><mml:mrow><mml:mn>2</mml:mn></mml:mrow><mml:mrow><mml:mi>â„</mml:mi></mml:mi>	0.4	5
40	On the square-root partition function. Comptes Rendus Mathematique, 2015, 353, 287-290.	0.3	5
41	On the denominators of harmonic numbers, II. Journal of Number Theory, 2019, 200, 397-406.	0.4	5
42	A conjecture of SÃ¡rkÃ¶zy on quadratic residues. Journal of Number Theory, 2021, 229, 100-124.	0.4	5
43	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
44	The difference basis and bi-basis of <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. Journ	0.4	4
45	On the r-th root partition function, II. Journal of Number Theory, 2018, 188, 392-409.	0.4	4
46	On a conjecture of additive complements. Quarterly Journal of Mathematics, 2019, 70, 927-936.	0.8	4
47	Additive Complements with Narkiewicz's Condition. Combinatorica, 2019, 39, 813-823.	1.2	4
48	WEIGHTED REPRESENTATION FUNCTIONS ON $mathbb{Z}_m$. Taiwanese Journal of Mathematics, 2013, 17, .	0.4	4
49	On subset sums of a fixed set. Acta Arithmetica, 2003, 106, 207-211.	0.4	4
50	A quantitative form of the ErdÅ‘sâ€"Birch theorem. Acta Arithmetica, 2017, 178, 301-311.	0.4	4
51	On a conjecture of ErdÅ‘s, Graham and Spencer. Journal of Number Theory, 2006, 119, 307-314.	0.4	3
52	Distribution of primes and dynamics of the w function. Journal of Number Theory, 2008, 128, 2085-2090.	0.4	3
53	Some extensions of a property of linear representation functions. Discrete Mathematics, 2009, 309, 6294-6298.	0.7	3
54	ON ODD PERFECT NUMBERS. Bulletin of the Australian Mathematical Society, 2012, 86, 510-514.	0.5	3

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55	Ruzsaâ€™s theorem on ErdÅ's and TurÃ¡n conjecture. European Journal of Combinatorics, 2013, 34, 410-413.	0.8	3
56	On the Frobenius conjecture for Markoff numbers. Journal of Number Theory, 2013, 133, 2363-2373.	0.4	3
57	IMPROVED UPPER BOUNDS FOR ODD MULTIPERFECTÂNUMBERS. Bulletin of the Australian Mathematical Society, 2014, 89, 353-359.	0.5	3
58	On the cardinality of general <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" display="inline" overflow="scroll"><mml:mi>h</mml:mi></mml:math>-fold sumsets. European Journal of Combinatorics, 2015, 47, 103-114.	0.8	3
59	On the r-th Root Partition Function. Taiwanese Journal of Mathematics, 2016, 20, .	0.4	3
60	On multiplicative functions with f(p+q+n0)=f(p)+f(q)+f(n0). Journal of Number Theory, 2016, 165, 270-289.	0.4	3
61	Additive complements of the squares. Journal of Number Theory, 2017, 180, 410-422.	0.4	3
62	On the denominators of harmonic numbers. Comptes Rendus Mathematique, 2018, 356, 129-132.	0.3	3
63	ErdÅ'sâ€"Birch type question in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msup><mml:mrow><mml:mi mathvariant="double-struck">N</mml:mi></mml:mrow><mml:mrow><mml:mi>r</mml:mi></mml:mrow></mml:msup></mml:math>. Journal of Number Theory, 2018, 187, 233-249.	0.4	3
64	On a problem of ErdÅ's, Nathanson and SÃ¡rkÃ¶zy. Journal of Number Theory, 2019, 201, 135-147.	0.4	3
65	On the shortest weakly prime-additive numbers. Journal of Number Theory, 2018, 182, 258-270.	0.4	3
66	On the counting function of Stanley sequences. Publicationes Mathematicae, 2013, 82, 91-95.	0.2	3
67	On the Irrationality of Certain Series. Periodica Mathematica Hungarica, 1999, 38, 31-37.	0.9	2
68	On the rational cuboids with a given face. Journal of Number Theory, 2005, 112, 205-215.	0.4	2
69	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
70	Sequences of integers with missing quotients. Discrete Mathematics, 2010, 310, 1105-1111.	0.7	2
71	SUMSETS AND DIFFERENCE SETS CONTAINING A COMMON TERM OF A SEQUENCE. Bulletin of the Australian Mathematical Society, 2012, 85, 79-83.	0.5	2
72	HegyvÃ¡riÊ¼s Theorem on complete sequences. Journal of Number Theory, 2013, 133, 2857-2862.	0.4	2

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#	ARTICLE	IF	CITATIONS
73	ON THE INTEGERS OF THE FORM $p+b$. Taiwanese Journal of Mathematics, 2014, 18, .	0.4	2
74	On a conjecture of de Koninck. Journal of Number Theory, 2015, 154, 324-364.	0.4	2
75	Arithmetic progressions in the least positive reduced residue systems. Journal of Number Theory, 2018, 190, 303-310.	0.4	2
76	Integer sets with identical representation functions, II. European Journal of Combinatorics, 2021, 94, 103293.	0.8	2
77	Diophantine equations involving Euler's totient function. Acta Arithmetica, 2019, 191, 33-65.	0.4	2
78	Blocks of consecutive integers in sumsets (A + B)t. Bulletin of the Australian Mathematical Society, 2004, 70, 283-291.	0.5	1
79	On the exponents modulo 3 in the standard factorisation of n!. Bulletin of the Australian Mathematical Society, 2006, 73, 329-334.	0.5	1
80	On a conjecture of Erdős, Graham and Spencer, II. Discrete Applied Mathematics, 2008, 156, 2950-2958.	0.9	1
81	The permutation of integers with small least common multiple of two subsequent terms. Acta Mathematica Hungarica, 2011, 132, 307-309.	0.5	1
82	THE CONGRUENT PROPERTIES FOR $r_s(n)$. International Journal of Number Theory, 2011, 07, 1595-1602.	0.5	1
83	Weighted sums of consecutive values of a polynomial. Journal of Number Theory, 2012, 132, 2725-2735.	0.4	1
84	On the sum of distinct primes or squares of primes. Comptes Rendus Mathematique, 2012, 350, 647-649.	0.3	1
85	Dynamics of Goldring's w-function. Journal of Number Theory, 2012, 132, 390-409.	0.4	1
86	On a problem of Erdős. Ramanujan Journal, 2013, 30, 443-446.	0.7	1
87	ARITHMETIC PROGRESSIONS IN SUMSETS AND DIFFERENCE SETS. International Journal of Number Theory, 2013, 09, 601-606.	0.5	1
88	All sums of h distinct terms of a sequence. European Journal of Combinatorics, 2014, 41, 289-297.	0.8	1
89	On a generalization of a theorem of Sárközy and Sós. European Journal of Combinatorics, 2016, 54, 201-206.	0.8	1
90	On d-complete sequences of integers. Journal of Number Theory, 2016, 164, 1-12.	0.4	1

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91	ON ADDITIVE REPRESENTATION FUNCTIONS. Bulletin of the Australian Mathematical Society, 2017, 96, 380-388.	0.5	1
92	On AP3-covering sequences. Comptes Rendus Mathematique, 2018, 356, 121-124.	0.3	1
93	On a problem on restricted k-colored partitions. International Journal of Number Theory, 2022, 18, 467-472.	0.5	1
94	On positive integers n with $$\sigma_l (2n+1)<\sigma_l (2n)$$. Periodica Mathematica Hungarica, 0, , 1.	0.9	1
95	On a conjecture of Erdős and Lewin. Journal of Number Theory, 2022, 238, 763-778.	0.4	1
96	On a theorem of Erdos and Sarkozy. Publicationes Mathematicae, 2013, 83, 407-413.	0.2	0
97	On monochromatic configurations for finite colorings. Discrete Mathematics, 2014, 333, 106-109.	0.7	0
98	Integers with a given number of divisors. Journal of Number Theory, 2014, 143, 109-124.	0.4	0
99	Critical numbers of intervals. Journal of Number Theory, 2016, 166, 400-405.	0.4	0
100	On a problem of Mircea Merca. International Journal of Number Theory, 2016, 12, 2017-2024.	0.5	0
101	The shifted sum of the first n values of Euler's function. International Journal of Number Theory, 2017, 13, 1245-1251.	0.5	0
102	On the average value of the first n values of the Euler function. Boletin De La Sociedad Matematica Mexicana, 2018, 24, 301-306.	0.7	0
103	REPRESENTATION FUNCTIONS ON ABELIAN GROUPS. Bulletin of the Australian Mathematical Society, 2019, 99, 10-14.	0.5	0
104	On additive complements. IV. Journal of Combinatorial Theory - Series A, 2020, 171, 105176.	0.8	0
105	Congruences for arithmetic functions. Ramanujan Journal, 0, , 1.	0.7	0