

# Christian Elsholtz

## List of Publications by Year in descending order

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38  
papers

218  
citations

1307594

7  
h-index

1125743

13  
g-index

40  
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40  
docs citations

40  
times ranked

79  
citing authors

#	ARTICLE	IF	CITATIONS
1	Lower Bounds For Multidimensional Zero Sums. <i>Combinatorica</i> , 2004, 24, 351.	1.2	25
2	On Diophantine quintuples and $D(-1)D(-1)$ -quadruples. <i>Monatshefte Fur Mathematik</i> , 2014, 175, 227-239.	0.9	21
3	COUNTING THE NUMBER OF SOLUTIONS TO THE ERDŐS-STRAUS EQUATION ON UNIT FRACTIONS. <i>Journal of the Australian Mathematical Society</i> , 2013, 94, 50-105.	0.4	20
4	Prescribing the binary digits of squarefree numbers and quadratic residues. <i>Transactions of the American Mathematical Society</i> , 2017, 369, 8369-8388.	0.9	18
5	The inverse Goldbach problem. <i>Mathematika</i> , 2001, 48, 151-158.	0.5	12
6	Sums of $k$ unit fractions. <i>Transactions of the American Mathematical Society</i> , 2001, 353, 3209-3228.	0.9	12
7	Non-simple abelian varieties in a family: geometric and analytic approaches. <i>Journal of the London Mathematical Society</i> , 2009, 80, 135-154.	1.0	12
8	Multiplicative decomposability of shifted sets. <i>Bulletin of the London Mathematical Society</i> , 2008, 40, 97-107.	0.8	8
9	Shifted products that are coprime pure powers. <i>Journal of Combinatorial Theory - Series A</i> , 2005, 111, 24-36.	0.8	7
10	ON GAPS BETWEEN PRIMITIVE ROOTS IN THE HAMMING METRIC. <i>Quarterly Journal of Mathematics</i> , 2013, 64, 1043-1055.	0.8	7
11	Hilbert cubes in progression-free sets and in the set of squares. <i>Israel Journal of Mathematics</i> , 2012, 192, 59-66.	0.8	6
12	The distribution of sequences in residue classes. <i>Proceedings of the American Mathematical Society</i> , 2002, 130, 2247-2250.	0.8	5
13	On gaps between quadratic non-residues in the Euclidean and Hamming metrics. <i>Indagationes Mathematicae</i> , 2013, 24, 930-938.	0.4	5
14	Caps and progression-free sets in $\mathbb{Z}_m^n$ . <i>Designs, Codes, and Cryptography</i> , 2020, 88, 2133-2170.	1.6	5
15	Maximal Dimension of Unit Simplices. <i>Discrete and Computational Geometry</i> , 2005, 34, 167-177.	0.6	4
16	Patterns and complexity of multiplicative functions. <i>Journal of the London Mathematical Society</i> , 2011, 84, 578-594.	1.0	4
17	On Romanov's constant. <i>Mathematische Zeitschrift</i> , 2018, 288, 713-724.	0.9	4
18	The number of solutions of the Erdős-Straus Equation and sums of $k$ unit fractions. <i>Proceedings of the Royal Society of Edinburgh Section A: Mathematics</i> , 2020, 150, 1401-1427.	1.2	4

#	ARTICLE	IF	CITATIONS
19	ALMOST ALL PRIMES HAVE A MULTIPLE OF SMALL HAMMING WEIGHT. Bulletin of the Australian Mathematical Society, 2016, 94, 224-235.	0.5	3
20	Unconditional Prime-Representing Functions, Following Mills. American Mathematical Monthly, 2020, 127, 639-642.	0.3	3
21	Fermat's Last Theorem Implies Euclid's Infinitude of Primes. American Mathematical Monthly, 2021, 128, 250-257.	0.3	3
22	On thin sets of primes expressible as sumsets. Acta Mathematica Hungarica, 2005, 106, 197-226.	0.5	2
23	A Problem of Ramanujan, Erdős, and Kátai on the Iterated Divisor Function. International Mathematics Research Notices, 2012, 2012, 4051-4061.	1.0	2
24	Prime Divisors of Thin Sequences. American Mathematical Monthly, 2012, 119, 331.	0.3	2
25	The Central Limit Theorem for Subsequences in Probabilistic Number Theory. Canadian Journal of Mathematics, 2012, 64, 1201-1221.	0.6	2
26	Sumsets being squares. Acta Mathematica Hungarica, 2013, 141, 353-357.	0.5	2
27	Hilbert cubes in arithmetic sets. Revista Matemática Iberoamericana, 2015, 31, 1477-1498.	0.9	2
28	Maximal sum-free sets of integer lattice grids. Journal of the London Mathematical Society, 2017, 95, 353-372.	1.0	2
29	Sums of four and more unit fractions and approximate parametrizations. Bulletin of the London Mathematical Society, 2021, 53, 695-709.	0.8	2
30	Kombinatorische Beweise des Zweiquadrateatzes und Verallgemeinerungen. Mathematische Semesterberichte, 2003, 50, 77-93.	0.2	2
31	The number $\hat{w}(k)$ in Waring's problem. Acta Arithmetica, 2008, 131, 43-49.	0.4	2
32	On Erdős and Székely's sequences with Property P. Monatshefte Für Mathematik, 2017, 182, 565-575.	0.9	1
33	Romanov type problems. Ramanujan Journal, 2018, 47, 267-289.	0.7	1
34	Arithmetic progressions in binary quadratic forms and norm forms. Bulletin of the London Mathematical Society, 2019, 51, 595-602.	0.8	1
35	On cluster primes. Acta Arithmetica, 2003, 109, 281-284.	0.4	1
36	Golomb's Conjecture on Prime Gaps. American Mathematical Monthly, 2017, 124, 365.	0.3	0

#	ARTICLE	IF	CITATIONS
37	THE MAXIMAL ORDER OF ITERATED MULTIPLICATIVE FUNCTIONS. <i>Mathematika</i> , 2019, 65, 990-1009.	0.5	0
38	On the regularity of primes in arithmetic progressions. <i>International Journal of Number Theory</i> , 2017, 13, 1349-1361.	0.5	0