

Christian Elsholtz

List of Publications by Year in descending order

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38
papers

218
citations

1307594

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1125743

13
g-index

40
all docs

40
docs citations

40
times ranked

79
citing authors

#	ARTICLE	IF	CITATIONS
1	Sums of four and more unit fractions and approximate parametrizations. Bulletin of the London Mathematical Society, 2021, 53, 695-709.	0.8	2
2	Fermat's Last Theorem Implies Euclid's Infinitude of Primes. American Mathematical Monthly, 2021, 128, 250-257.	0.3	3
3	The number of solutions of the Erdős-Straus Equation and sums of k unit fractions. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 2020, 150, 1401-1427.	1.2	4
4	Unconditional Prime-Representing Functions, Following Mills. American Mathematical Monthly, 2020, 127, 639-642.	0.3	3
5	Caps and progression-free sets in \mathbb{Z}_m^n . Designs, Codes, and Cryptography, 2020, 88, 2133-2170.	1.6	5
6	Arithmetic progressions in binary quadratic forms and norm forms. Bulletin of the London Mathematical Society, 2019, 51, 595-602.	0.8	1
7	THE MAXIMAL ORDER OF ITERATED MULTIPLICATIVE FUNCTIONS. Mathematika, 2019, 65, 990-1009.	0.5	0
8	Romanov type problems. Ramanujan Journal, 2018, 47, 267-289.	0.7	1
9	On Romanov's constant. Mathematische Zeitschrift, 2018, 288, 713-724.	0.9	4
10	Maximal sum-free sets of integer lattice grids. Journal of the London Mathematical Society, 2017, 95, 353-372.	1.0	2
11	Colomb's Conjecture on Prime Gaps. American Mathematical Monthly, 2017, 124, 365.	0.3	0
12	Prescribing the binary digits of squarefree numbers and quadratic residues. Transactions of the American Mathematical Society, 2017, 369, 8369-8388.	0.9	18
13	On Erdős and Székeres's sequences with Property P. Monatshefte Fur Mathematik, 2017, 182, 565-575.	0.9	1
14	On the regularity of primes in arithmetic progressions. International Journal of Number Theory, 2017, 13, 1349-1361.	0.5	0
15	ALMOST ALL PRIMES HAVE A MULTIPLE OF SMALL HAMMING WEIGHT. Bulletin of the Australian Mathematical Society, 2016, 94, 224-235.	0.5	3
16	Hilbert cubes in arithmetic sets. Revista Matematica Iberoamericana, 2015, 31, 1477-1498.	0.9	2
17	On Diophantine quintuples and $D(-1)$ -quadruples. Monatshefte Fur Mathematik, 2014, 175, 227-239.	0.9	21
18	Sumsets being squares. Acta Mathematica Hungarica, 2013, 141, 353-357.	0.5	2

#	ARTICLE	IF	CITATIONS
19	ON GAPS BETWEEN PRIMITIVE ROOTS IN THE HAMMING METRIC. Quarterly Journal of Mathematics, 2013, 64, 1043-1055.	0.8	7
20	On gaps between quadratic non-residues in the Euclidean and Hamming metrics. Indagationes Mathematicae, 2013, 24, 930-938.	0.4	5
21	COUNTING THE NUMBER OF SOLUTIONS TO THE ERDŐS-STRÁUS EQUATION ON UNIT FRACTIONS. Journal of the Australian Mathematical Society, 2013, 94, 50-105.	0.4	20
22	A Problem of Ramanujan, Erdős's, and Kátai on the Iterated Divisor Function. International Mathematics Research Notices, 2012, 2012, 4051-4061.	1.0	2
23	Prime Divisors of Thin Sequences. American Mathematical Monthly, 2012, 119, 331.	0.3	2
24	Hilbert cubes in progression-free sets and in the set of squares. Israel Journal of Mathematics, 2012, 192, 59-66.	0.8	6
25	The Central Limit Theorem for Subsequences in Probabilistic Number Theory. Canadian Journal of Mathematics, 2012, 64, 1201-1221.	0.6	2
26	Patterns and complexity of multiplicative functions. Journal of the London Mathematical Society, 2011, 84, 578-594.	1.0	4
27	Non-simple abelian varieties in a family: geometric and analytic approaches. Journal of the London Mathematical Society, 2009, 80, 135-154.	1.0	12
28	Multiplicative decomposability of shifted sets. Bulletin of the London Mathematical Society, 2008, 40, 97-107.	0.8	8
29	The number $\hat{\pi}(k)$ in Waring's problem. Acta Arithmetica, 2008, 131, 43-49.	0.4	2
30	Shifted products that are coprime pure powers. Journal of Combinatorial Theory - Series A, 2005, 111, 24-36.	0.8	7
31	On thin sets of primes expressible as sumsets. Acta Mathematica Hungarica, 2005, 106, 197-226.	0.5	2
32	Maximal Dimension of Unit Simplices. Discrete and Computational Geometry, 2005, 34, 167-177.	0.6	4
33	Lower Bounds For Multidimensional Zero Sums. Combinatorica, 2004, 24, 351.	1.2	25
34	Kombinatorische Beweise des Zweiquadrateatzes und Verallgemeinerungen. Mathematische Semesterberichte, 2003, 50, 77-93.	0.2	2
35	On cluster primes. Acta Arithmetica, 2003, 109, 281-284.	0.4	1
36	The distribution of sequences in residue classes. Proceedings of the American Mathematical Society, 2002, 130, 2247-2250.	0.8	5

#	ARTICLE	IF	CITATIONS
37	The inverse Goldbach problem. <i>Mathematika</i> , 2001, 48, 151-158.	0.5	12
38	Sums of $\frac{1}{k^2}$ unit fractions. <i>Transactions of the American Mathematical Society</i> , 2001, 353, 3209-3228.	0.9	12