# Alessandro Zaccagnini

List of Publications by Year
in descending order



| 37 | 211 | 1163117 8 | 1125743 13 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 37 | 37 | 37 | 42 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | A note on Mertens' formula for arithmetic progressions. Journal of Number Theory, 2007, 127, 37-46. | 0.4 | 22 |
| 2 | A Diophantine problem with a prime and three squares of primes. Journal of Number Theory, 2012, 132, 3016-3028. | 0.4 | 17 |
| 3 | On the exceptional set for the sum of a prime and a k â€th power. Mathematika, 1992, 39, 400-421. | 0.5 | 15 |
| 4 | On a ternary Diophantine problem with mixed powers of primes. Acta Arithmetica, 2013, 159, 345-362. | 0.4 | 13 |
| 5 | The number of Goldbach representations of an integer. Proceedings of the American Mathematical Society, 2012, 140, 795-804. | 0.8 | 12 |
| 6 | A CesÃro average of Goldbach numbers. Forum Mathematicum, 2015, 27, . | 0.7 | 11 |
| 7 | Sum of one prime and two squares of primes in short intervals. Journal of Number Theory, 2016, 159, 45-58. | 0.4 | 10 |
| 8 | Primes in almost all short intervals. Acta Arithmetica, 1998, 84, 225-244. | 0.4 | 10 |
| 9 | On the constant in the Mertens product for arithmetic progressions. II: Numerical values. Mathematics of Computation, 2009, 78, 315-315. | 2.1 | 8 |
| 10 | Sums of many primes. Journal of Number Theory, 2012, 132, 1265-1283. | 0.4 | 8 |
| 11 | Explicit relations between pair correlation of zeros and primes in short intervals. Journal of Mathematical Analysis and Applications, 2012, 394, 761-771. | 1.0 | 8 |
| 12 | A CesÃro average of Hardyâ€“Littlewood numbers. Journal of Mathematical Analysis and Applications, 2013, 401, 568-577. | 1.0 | 8 |
| 13 | Short intervals asymptotic formulae for binary problems with primes and powers, II: density 1. Monatshefte Fur Mathematik, 2016, 181, 419-435. | 0.9 | 8 |
| 14 | ON THE MONTGOMERYâ€“HOOLEY THEOREM IN SHORT INTERVALS. Mathematika, 2010, 56, 231-243. | 0.5 | 7 |
| 15 | Computing the Mertens and Meisselâ€“Mertens Constants for Sums over Arithmetic Progressions. Experimental Mathematics, 2010, 19, 279-284. | 0.7 | 7 |
| 16 | A Diophantine approximation problem with two primes and one k-th power of a prime. Journal of Number Theory, 2018, 188, 210-228. | 0.4 | 5 |
| 17 | Sums of four prime cubes in short intervals. Acta Mathematica Hungarica, 2019, 159, 150-163. | 0.5 | 5 |
| 18 | On a Diophantine problem with two primes and s powers of two. Acta Arithmetica, 2010, 145, 193-208. | 0.4 | 5 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Short intervals asymptotic formulae for binary problems with primes and powers, I: density 3/2. Ramanujan Journal, 2017, 42, 371-383. | 0.7 | 4 |
| 20 | Short intervals asymptotic formulae for binary problems with prime powers. Journal De Theorie Des Nombres De Bordeaux, 2018, 30, 609-635. | 0.1 | 4 |
| 21 | On an average ternary problem with prime powers. Ramanujan Journal, 2020, 53, 155-166. | 0.7 | 3 |
| 22 | On the average number of representationsof an integer as a sum of like prime powers. Proceedings of the American Mathematical Society, 2019, 148, 1499-1508. | 0.8 | 3 |
| 23 | An extension of the pair-correlation conjecture and applications. Mathematical Research Letters, 2016, 23, 201-220. | 0.5 | 3 |
| 24 | On the constant in the Mertens product for arithmetic progressions. I. Identities. Functiones Et Approximatio, Commentarii Mathematici, 2010, 42, . | 0.3 | 3 |
| 25 | On the sum of two primes and k powers of two. Bulletin of the London Mathematical Society, 2007, 39, 771-780. | 0.8 | 2 |
| 26 | CesÃro average in short intervals for Goldbach numbers. Proceedings of the American Mathematical Society, 2017, 145, 4175-4186. | 0.8 | 2 |
| 27 | SHORT INTERVALS ASYMPTOTIC FORMULAE FOR BINARY PROBLEMS WITH PRIME POWERS, II. Journal of the Australian Mathematical Society, 2020, 109, 351-370. | 0.4 | 2 |
| 28 | A Note on the Sum of a Prime and a Polynomial. Quarterly Journal of Mathematics, 2001, 52, 519-524. | 0.8 | 1 |
| 29 | ON THE HARDYâ€“LITTLEWOOD PROBLEM IN SHORT INTERVALS. International Journal of Number Theory, 2008, 04, 715-723. | 0.5 | 1 |
| 30 | Byzantine agreement for reputation management in DHT-based peer-to-peer networks. , 2008, , . | | 1 |
| 31 | Prime numbers in logarithmic intervals. Transactions of the American Mathematical Society, 2010, 362, 2667-2684. | 0.9 | 1 |
| 32 | CesÃro averages for Goldbach representations with summands in arithmetic progressions. International Journal of Number Theory, 0, , 1-15. | 0.5 | 1 |
| 33 | A note on an average additive problem with prime numbers. Functiones Et Approximatio, Commentarii Mathematici, 2020, 63, . | 0.3 | 1 |
| 34 | Explicit relations between primes in short intervals and exponential sums over primes. Functiones Et Approximatio, Commentarii Mathematici, 2014, 51, . | 0.3 | 0 |
| 35 | A conditional density theorem for the zeros of the Riemann zeta-function. Acta Arithmetica, 2000, 93, 293-301. | 0.4 | 0 |
| 36 | Some estimates for the average of the error term of the Mertens product for arithmetic progressions. Functiones Et Approximatio, Commentarii Mathematici, 2008, 38, . | 0.3 | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | A CesÃro average for an additive problem with an arbitrary number of prime powers and squares. Research in Number Theory, 2022, 8, . | 0.4 | 0 |