

Wei Lu

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	On some conjectures about optimal ternary cyclic codes. <i>Designs, Codes, and Cryptography</i> , 2020, 88, 297-309.	1.6	13
2	On the representation numbers of ternary quadratic forms and modular forms of weight $3/2$. <i>Journal of Number Theory</i> , 2014, 140, 235-266.	0.4	11
3	Six constructions of asymptotically optimal codebooks via the character sums. <i>Designs, Codes, and Cryptography</i> , 2020, 88, 1139-1158.	1.6	9
4	On the 3-rank of tame kernels of certain pure cubic number fields. <i>Science China Mathematics</i> , 2010, 53, 2381-2394.	1.7	6
5	A new method for constructing linear codes with small hulls. <i>Designs, Codes, and Cryptography</i> , 2022, 90, 2663-2682.	1.6	6
6	SOME DIOPHANTINE EQUATIONS OVER AND WITH APPLICATIONS TO OF A FIELD. <i>Communications in Algebra</i> , 2002, 30, 353-367.	0.6	5
7	Computing the Tame Kernel of $\mathbb{Q}(\sqrt[3]{8})$. <i>Communications in Algebra</i> , 2003, 31, 645-656.	0.6	4
8	Anomalous primes of the elliptic curve $E_D: y^2=x^3+D$. <i>Proceedings of the London Mathematical Society</i> , 2016, 112, 415-453.	1.3	4
9	The Structure of the Tame Kernels of Quadratic Number Fields (III). <i>Communications in Algebra</i> , 2008, 36, 1012-1033.	0.6	3
10	The densities for 3-ranks of tame kernels of cyclic cubic number fields. <i>Science China Mathematics</i> , 2014, 57, 43-47.	1.7	3
11	Two constructions of asymptotically optimal codebooks via the trace functions. <i>Cryptography and Communications</i> , 2020, 12, 1195-1211.	1.4	3
12	Congruent numbers, quadratic forms and $\mathbb{Q}(\sqrt{2})$. <i>Mathematische Annalen</i> , 2022, 383, 1647-1686.	1.4	3
13	Three-variable Mahler measures and special values of L-functions of modular forms. <i>Ramanujan Journal</i> , 2021, 54, 147-175.	0.7	2
14	CM elliptic curves and primes captured by quadratic polynomials. <i>Asian Journal of Mathematics</i> , 2014, 18, 707-726.	0.3	2
15	Minimal linear codes constructed from functions. <i>Cryptography and Communications</i> , 2022, 14, 875-895.	1.4	2
16	ONK2OF DIVISION ALGEBRAS. <i>Communications in Algebra</i> , 2005, 33, 1073-1081.	0.6	1
17	Boolean Algebras, Generalized Abelian Rings, and Grothendieck Groups. <i>Communications in Algebra</i> , 2006, 34, 641-659.	0.6	1
18	Imaginary Quadratic Fields with Ono Number 3. <i>Communications in Algebra</i> , 2009, 38, 230-232.	0.6	1

#	ARTICLE	IF	CITATIONS
19	Iwasawa Theory for K_2^n . Journal of K-Theory, 2013, 12, 115-123.	0.2	1
20	A density theorem and its application. Science China Mathematics, 2015, 58, 1621-1626.	1.7	1
21	Ternary quadratic forms and the class numbers of imaginary quadratic fields. Communications in Algebra, 2019, 47, 4605-4640.	0.6	1
22	Eichler's commutation relation and some other invariant subspaces of Hecke operators. Ramanujan Journal, 2017, 44, 367-383.	0.7	1
23	Further Results on K_0 -Groups with Ordered Structure. Algebra Colloquium, 2007, 14, 403-416.	0.2	0
24	Uniqueness of Moore's higher reciprocity law at the prime 2 for real number fields. Journal of K-Theory, 2008, 1, 185-192.	0.2	0
25	Epimorphisms in the Category of $\hat{\mathbb{Z}}$ -Groups. Algebra Colloquium, 2009, 16, 123-130.	0.2	0
26	Rank of K_2 of elliptic curves. Science in China Series A: Mathematics, 2009, 52, 2107-2120.	0.5	0
27	Homological Behavior of Auslander's k -Gorenstein Rings. Algebras and Representation Theory, 2012, 15, 835-853.	0.7	0
28	On the $\hat{\mathbb{Z}}_4$ -invariant of two-variable primitive p -adic L -functions. Science China Mathematics, 2014, 57, 1149-1154.	1.7	0
29	The numerical factors of $\hat{\mathbb{Z}}^n(f, g)$. Indian Journal of Pure and Applied Mathematics, 2015, 46, 701-714.	0.5	0
30	Multiplicative property of representation numbers of ternary quadratic forms. Manuscripta Mathematica, 2018, 156, 457-467.	0.6	0
31	Integral points on the elliptic curve $E_{pq}: y^2 = x^3 + (pq \hat{\mathbb{Z}}^{12})x \hat{\mathbb{Z}}^2(pq \hat{\mathbb{Z}}^8)$. Indian Journal of Pure and Applied Mathematics, 2019, 50, 343-352.	0.5	0
32	Representation of integers by positive ternary quadratic forms. Mathematical Research Letters, 2017, 24, 535-548.	0.5	0