Henning Stichtenoth

List of Publications by Year
in descending order

46 papers	1,257 citations	516710 16 h-index	377865 34 g-index
47 all docs	47 docs citations	47 times ranked	182 citing authors

#	Article	IF	Citations
1	Asymptotically good towers of function fields with small p-rank. Finite Fields and Their Applications, 2021, 76, 101909.	1.0	0
2	Self-dual codes better than the Gilbert–Varshamov bound. Designs, Codes, and Cryptography, 2019, 87, 173-182.	1.6	2
3	A note on short vectors in lattices from function fields. Finite Fields and Their Applications, 2016, 39, 264-271.	1.0	1
4	Constant Rate PCPs for Circuit-SAT with Sublinear Query Complexity. Journal of the ACM, 2016, 63, 1-57.	2.2	6
5	Quadratic recursive towers of function fields over $\mathbb{F}_2$. Turkish Journal of Mathematics, 2015, 39, 665-682.	0.7	0
6	An Improvement of the Gilbert–Varshamov Bound Over Nonprime Fields. IEEE Transactions on Information Theory, 2014, 60, 3859-3861.	2.4	5
7	Galois towers over non-prime finite fields. Acta Arithmetica, 2014, 164, 163-179.	0.4	3
8	Curves of every genus with a prescribed number of rational points. Bulletin of the Brazilian Mathematical Society, 2013, 44, 173-193.	0.8	3
9	Constant Rate PCPs for Circuit-SAT with Sublinear Query Complexity. , 2013, , .		10
10	On the number of rational points of curves over finite fields. Electronic Notes in Discrete Mathematics, 2013, 40, 21-26.	0.4	0
11	ON INVARIANTS OF TOWERS OF FUNCTION FIELDS OVER FINITE FIELDS. Journal of Algebra and Its Applications, 2013, 12, 1250190.	0.4	2
12	Curves with a prescribed number of rational points. Finite Fields and Their Applications, 2011, 17, 552-559.	1.0	4
13	Recursive Towers of Function Fields over Finite Fields. Lecture Notes in Computer Science, 2010, , 1-6.	1.3	0
14	A simplified proof for the limit of a tower over a cubic finite field. Journal of Number Theory, 2007, 123, 154-169.	0.4	2
15	Towards a classification of recursive towers of function fields over finite fields. Finite Fields and Their Applications, 2006, 12, 56-77.	1.0	6
16	Finite Fields: Theory and Applications. Oberwolfach Reports, 2005, 1, 2913-2970.	0.0	0
17	Asymptotics for the genus and the number of rational places in towers of function fields over a finite field. Finite Fields and Their Applications, 2005, 11, 434-450.	1.0	2
18	A Class of Artin-Schreier Towers with Finite Genus. Bulletin of the Brazilian Mathematical Society, 2005, 36, 393-401.	0.8	2

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19	An explicit tower of function fields over cubic finite fields and Zink's lower bound. Journal Fur Die Reine Und Angewandte Mathematik, 2005, 2005, 159-199.	0.9	25
20	On towers of function fields of Artin-Schreier type. Bulletin of the Brazilian Mathematical Society, 2004, 35, 151-164.	0.8	4
21	On tame towers over finite fields. Journal Fur Die Reine Und Angewandte Mathematik, 2003, 2003, .	0.9	24
22	New Optimal Tame Towers of Function Fields over Small Finite Fields. Lecture Notes in Computer Science, 2002, , 372-389.	1.3	5
23	Towards a Basis for the Space of Regular Functions in a Tower of Function Fields Meeting the Drinfeld-Vladut Bound. , 2001, , 14-24.		1
24	Explicit Constructions of Towers of Function Fields with Many Rational Places. , 2001, , 219-224.		3
25	On Subfields of the Hermitian Function Field. Compositio Mathematica, 2000, 120, 137-170.	0.8	90
26	Skew Pyramids of Function Fields Are Asymptotically Bad. , 2000, , 111-113.		12
27	A Class of Polynomials over Finite Fields. Finite Fields and Their Applications, 1999, 5, 424-435.	1.0	16
28	Weierstrass Semigroups in an Asymptotically Good Tower of Function Fields. Finite Fields and Their Applications, 1998, 4, 381-392.	1.0	28
29	On Towers and Composita of Towers of Function Fields over Finite Fields. Finite Fields and Their Applications, 1997, 3, 257-274.	1.0	40
30	On the Asymptotic Behaviour of Some Towers of Function Fields over Finite Fields. Journal of Number Theory, 1996, 61, 248-273.	0.4	225
31	The genus of maximal function fields over finite fields. Manuscripta Mathematica, 1995, 86, 217-224.	0.6	38
32	A tower of Artin-Schreier extensions of function fields attaining the Drinfeld-Vladut bound. Inventiones Mathematicae, 1995, 121, 211-222.	2.5	268
33	On the structure of the divisor class group of a class of curves over finite fields. Archiv Der Mathematik, 1995, 65, 141-150.	0.5	13
34	Elementary Abelian p-extensions of algebraic function fields. Manuscripta Mathematica, 1991, 72, 67-79.	0.6	56
35	Group codes on certain algebraic curves with many rational points. Applicable Algebra in Engineering, Communications and Computing, 1990, 1, 67-77.	0.5	68
36	On automorphisms of geometric Goppa codes. Journal of Algebra, 1990, 130, 113-121.	0.7	29

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37	Which extended goppa codes are cyclic?. Journal of Combinatorial Theory - Series A, 1989, 51, 205-220.	0.8	18
38	Self-dual Goppa codes. Journal of Pure and Applied Algebra, 1988, 55, 199-211.	0.6	47
39	Die Ungleichung von Castelnuovo.. Journal Fur Die Reine Und Angewandte Mathematik, 1984, 1984, 197-202.	0.9	6
40	s-Erweiterungen algebraischer Funktionenkï¿½rper. Archiv Der Mathematik, 1984, 43, 27-31.	0.5	2
41	Die Hasse-Witt-Invariante eines Kongruenzfunktionenkï¿½rpers. Archiv Der Mathematik, 1979, 33, 357-360.	0.5	20
42	Zur Divisorklassengruppe eines Kongruenzfunktionenkï¿½rpers. Archiv Der Mathematik, 1979, 32, 336-340.	0.5	3
43	ï¿½ber das Geschlecht eines inseparablen Funktionenkï¿½rpers. Manuscripta Mathematica, 1974, 14, 173-182.	0.6	4
44	Algebraische Funktionenkï¿½rper einer Variablen mit Teilkï¿½rpern von beliebig hohem Geschlecht. Archiv Der Mathematik, 1974, 25, 379-384.	0.5	2
45	ï¿½ber die Automorphismengruppe eines algebraischen Funktionenkï¿½rpers von Primzahlcharakteristik. Archiv Der Mathematik, 1973, 24, 527-544.	0.5	67
46	ï¿½ber die Automorphismengruppe eines algebraischen Funktionenkï¿½rpers von Primzahlcharakteristik. Archiv Der Mathematik, 1973, 24, 615-631.	0.5	87