

Henning Stichtenoth

List of Publications by Year in descending order

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46
papers

1,257
citations

516710

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377865

34
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docs citations

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times ranked

182
citing authors

#	ARTICLE	IF	CITATIONS
1	A tower of Artin-Schreier extensions of function fields attaining the Drinfeld-Vladut bound. <i>Inventiones Mathematicae</i> , 1995, 121, 211-222.	2.5	268
2	On the Asymptotic Behaviour of Some Towers of Function Fields over Finite Fields. <i>Journal of Number Theory</i> , 1996, 61, 248-273.	0.4	225
3	On Subfields of the Hermitian Function Field. <i>Compositio Mathematica</i> , 2000, 120, 137-170.	0.8	90
4	Über die Automorphismengruppe eines algebraischen Funktionenkörpers von Primzahlcharakteristik. <i>Archiv Der Mathematik</i> , 1973, 24, 615-631.	0.5	87
5	Group codes on certain algebraic curves with many rational points. <i>Applicable Algebra in Engineering, Communications and Computing</i> , 1990, 1, 67-77.	0.5	68
6	Über die Automorphismengruppe eines algebraischen Funktionenkörpers von Primzahlcharakteristik. <i>Archiv Der Mathematik</i> , 1973, 24, 527-544.	0.5	67
7	Elementary Abelian p -extensions of algebraic function fields. <i>Manuscripta Mathematica</i> , 1991, 72, 67-79.	0.6	56
8	Self-dual Goppa codes. <i>Journal of Pure and Applied Algebra</i> , 1988, 55, 199-211.	0.6	47
9	On Towers and Composita of Towers of Function Fields over Finite Fields. <i>Finite Fields and Their Applications</i> , 1997, 3, 257-274.	1.0	40
10	The genus of maximal function fields over finite fields. <i>Manuscripta Mathematica</i> , 1995, 86, 217-224.	0.6	38
11	On automorphisms of geometric Goppa codes. <i>Journal of Algebra</i> , 1990, 130, 113-121.	0.7	29
12	Weierstrass Semigroups in an Asymptotically Good Tower of Function Fields. <i>Finite Fields and Their Applications</i> , 1998, 4, 381-392.	1.0	28
13	An explicit tower of function fields over cubic finite fields and Zink's lower bound. <i>Journal Fur Die Reine Und Angewandte Mathematik</i> , 2005, 2005, 159-199.	0.9	25
14	On tame towers over finite fields. <i>Journal Fur Die Reine Und Angewandte Mathematik</i> , 2003, 2003, .	0.9	24
15	Die Hasse-Witt-Invariante eines Kongruenzfunktionenkörpers. <i>Archiv Der Mathematik</i> , 1979, 33, 357-360.	0.5	20
16	Which extended goppa codes are cyclic?. <i>Journal of Combinatorial Theory - Series A</i> , 1989, 51, 205-220.	0.8	18
17	A Class of Polynomials over Finite Fields. <i>Finite Fields and Their Applications</i> , 1999, 5, 424-435.	1.0	16
18	On the structure of the divisor class group of a class of curves over finite fields. <i>Archiv Der Mathematik</i> , 1995, 65, 141-150.	0.5	13

#	ARTICLE	IF	CITATIONS
19	Skew Pyramids of Function Fields Are Asymptotically Bad. , 2000, , 111-113.		12
20	Constant Rate PCPs for Circuit-SAT with Sublinear Query Complexity. , 2013, , .		10
21	Die Ungleichung von Castelnuovo.. Journal Fur Die Reine Und Angewandte Mathematik, 1984, 1984, 197-202.	0.9	6
22	Towards a classification of recursive towers of function fields over finite fields. Finite Fields and Their Applications, 2006, 12, 56-77.	1.0	6
23	Constant Rate PCPs for Circuit-SAT with Sublinear Query Complexity. Journal of the ACM, 2016, 63, 1-57.	2.2	6
24	An Improvement of the Gilbert–Varshamov Bound Over Nonprime Fields. IEEE Transactions on Information Theory, 2014, 60, 3859-3861.	2.4	5
25	New Optimal Tame Towers of Function Fields over Small Finite Fields. Lecture Notes in Computer Science, 2002, , 372-389.	1.3	5
26	Über das Geschlecht eines inseparablen Funktionenkörpers. Manuscripta Mathematica, 1974, 14, 173-182.	0.6	4
27	On towers of function fields of Artin-Schreier type. Bulletin of the Brazilian Mathematical Society, 2004, 35, 151-164.	0.8	4
28	Curves with a prescribed number of rational points. Finite Fields and Their Applications, 2011, 17, 552-559.	1.0	4
29	Zur Divisorclassengruppe eines Kongruenzfunktionenkörpers. Archiv Der Mathematik, 1979, 32, 336-340.	0.5	3
30	Curves of every genus with a prescribed number of rational points. Bulletin of the Brazilian Mathematical Society, 2013, 44, 173-193.	0.8	3
31	Galois towers over non-prime finite fields. Acta Arithmetica, 2014, 164, 163-179.	0.4	3
32	Explicit Constructions of Towers of Function Fields with Many Rational Places. , 2001, , 219-224.		3
33	Algebraische Funktionenkörper einer Variablen mit Teilkörpern von beliebig hohem Geschlecht. Archiv Der Mathematik, 1974, 25, 379-384.	0.5	2
34	s-Erweiterungen algebraischer Funktionenkörper. Archiv Der Mathematik, 1984, 43, 27-31.	0.5	2
35	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
36	A Class of Artin-Schreier Towers with Finite Genus. Bulletin of the Brazilian Mathematical Society, 2005, 36, 393-401.	0.8	2

#	ARTICLE	IF	CITATIONS
37	A simplified proof for the limit of a tower over a cubic finite field. <i>Journal of Number Theory</i> , 2007, 123, 154-169.	0.4	2
38	ON INVARIANTS OF TOWERS OF FUNCTION FIELDS OVER FINITE FIELDS. <i>Journal of Algebra and Its Applications</i> , 2013, 12, 1250190.	0.4	2
39	Self-dual codes better than the Gilbert–Varshamov bound. <i>Designs, Codes, and Cryptography</i> , 2019, 87, 173-182.	1.6	2
40	A note on short vectors in lattices from function fields. <i>Finite Fields and Their Applications</i> , 2016, 39, 264-271.	1.0	1
41	Towards a Basis for the Space of Regular Functions in a Tower of Function Fields Meeting the Drinfeld-Vladut Bound. , 2001, , 14-24.		1
42	Finite Fields: Theory and Applications. <i>Oberwolfach Reports</i> , 2005, 1, 2913-2970.	0.0	0
43	On the number of rational points of curves over finite fields. <i>Electronic Notes in Discrete Mathematics</i> , 2013, 40, 21-26.	0.4	0
44	Quadratic recursive towers of function fields over \mathbb{F}_2 . <i>Turkish Journal of Mathematics</i> , 2015, 39, 665-682.	0.7	0
45	Asymptotically good towers of function fields with small p-rank. <i>Finite Fields and Their Applications</i> , 2021, 76, 101909.	1.0	0
46	Recursive Towers of Function Fields over Finite Fields. <i>Lecture Notes in Computer Science</i> , 2010, , 1-6.	1.3	0