

Gabor Korchmaros

List of Publications by Year in descending order

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106
papers

874
citations

623734

14
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23
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108
all docs

108
docs citations

108
times ranked

176
citing authors

#	ARTICLE	IF	CITATIONS
1	Curves with more than one inner Galois point. <i>Journal of Algebra</i> , 2021, 566, 374-404.	0.7	0
2	Large odd prime power order automorphism groups of algebraic curves in any characteristic. <i>Journal of Algebra</i> , 2020, 547, 312-344.	0.7	2
3	Codes and Gap Sequences of Hermitian Curves. <i>IEEE Transactions on Information Theory</i> , 2020, 66, 3547-3554.	2.4	5
4	Multilevel secret sharing schemes arising from the normal rational curve. <i>Discrete Applied Mathematics</i> , 2020, 284, 158-165.	0.9	3
5	On the Dickson–Guralnick–Zieve curve. <i>Journal of Number Theory</i> , 2019, 196, 114-138.	0.4	6
6	Algebraic curves with many automorphisms. <i>Advances in Mathematics</i> , 2019, 349, 162-211.	1.1	14
7	Ordinary algebraic curves with many automorphisms in positive characteristic. <i>Algebra and Number Theory</i> , 2019, 13, 1-18.	0.6	6
8	Hemisystems of the Hermitian surface. <i>Journal of Combinatorial Theory - Series A</i> , 2019, 165, 408-439.	0.8	8
9	Embedding of orthogonal Buekenhout-Metz unitals in the Desarguesian plane of order q^2 . <i>Ars Mathematica Contemporanea</i> , 2019, 16, 609-623.	0.6	2
10	Embedding of classical polar unitals in $PG(2, q^2)$. <i>Journal of Combinatorial Theory - Series A</i> , 2018, 153, 67-75.	0.8	4
11	Transcendence degree one function fields over a finite field with many automorphisms. <i>Journal of Pure and Applied Algebra</i> , 2018, 222, 1810-1826.	0.6	4
12	Group-labeled light dual multinet in the projective plane. <i>Discrete Mathematics</i> , 2018, 341, 2121-2130.	0.7	1
13	One-factorisations of complete graphs arising from ovals in finite planes. <i>Journal of Combinatorial Theory - Series A</i> , 2018, 160, 62-83.	0.8	3
14	Inherited unitals in Moulton planes. <i>Ars Mathematica Contemporanea</i> , 2018, 14, 251-265.	0.6	2
15	Hermitian codes with automorphism group isomorphic to $PGL(2, q)$ with q odd. <i>Finite Fields and Their Applications</i> , 2017, 44, 1-17.	1.0	3
16	Large p -groups of automorphisms of algebraic curves in characteristic p . <i>Journal of Algebra</i> , 2017, 481, 215-249.	0.7	5
17	The geometry of the Artin–Schreier–Mumford curves over an algebraically closed field. <i>Acta Scientiarum Mathematicarum</i> , 2017, 83, 673-681.	0.4	3
18	3-Nets realizing a diassociative loop in a projective plane. <i>Designs, Codes, and Cryptography</i> , 2016, 79, 443-449.	1.6	0

#	ARTICLE	IF	CITATIONS
19	Large 2-groups of automorphisms of algebraic curves over a field of characteristic 2. Journal of Algebra, 2015, 427, 264-294.	0.7	4
20	A characterization of the Artin-Mumford curve. Journal of Number Theory, 2015, 154, 278-291.	0.4	6
21	Classification of k -nets. European Journal of Combinatorics, 2015, 48, 177-185.	0.8	2
22	k -nets embedded in a projective plane over a field. Combinatorica, 2015, 35, 63-74.	1.2	9
23	3-Nets realizing a group in a projective plane. Journal of Algebraic Combinatorics, 2014, 39, 939-966.	0.8	11
24	Regular polygons in higher dimensional Euclidean spaces. Journal of Geometry, 2014, 105, 43-55.	0.4	0
25	Coset intersection of irreducible plane cubics. Designs, Codes, and Cryptography, 2014, 72, 53-75.	1.6	1
26	Garden of curves with many automorphisms. , 2014, , 93-120.		2
27	Lower bounds on the minimum distance in Hermitian one-point differential codes. Science China Mathematics, 2013, 56, 1449-1455.	1.7	6
28	Arcs in $AG(2, q)$ determining few directions. Designs, Codes, and Cryptography, 2013, 68, 61-72.	1.6	2
29	Transitive A_6 -invariant k -arcs in $PG(2, q)$. Designs, Codes, and Cryptography, 2013, 68, 73-79.	1.6	8
30	Nakajima's remark on Henn's proof. Electronic Notes in Discrete Mathematics, 2013, 40, 135-138.	0.4	0
31	Problems and results in. Electronic Notes in Discrete Mathematics, 2013, 40, 181-187.	0.4	1
32	Hermitian codes from higher degree places. Journal of Pure and Applied Algebra, 2013, 217, 2371-2381.	0.6	15
33	Classification of k -nets embedded in a plane. , 2013, , 277-281.		0
34	On Quasi-Hermitian Varieties. Journal of Combinatorial Designs, 2012, 20, 433-447.	0.6	12
35	42-arcs in $PG(2, q)$ left invariant by $PSL(2, 7)$. Designs, Codes, and Cryptography, 2012, 64, 33-46.	1.6	5
36	Projective k -arcs and 2-level secret-sharing schemes. Designs, Codes, and Cryptography, 2012, 64, 3-15.	1.6	15

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37	Finite Bolyai-Lobachevskii planes. Acta Mathematica Hungarica, 2012, 134, 405-415.	0.7	2
38	On the structure of 3-nets embedded in a projective plane. Journal of Combinatorial Theory - Series A, 2011, 118, 1228-1238.	0.5	3
39	On arcs sharing the maximum number of points with ovals in cyclic affine planes of odd order. Journal of Combinatorial Designs, 2010, 18, 25-47.	0.8	11
40	On cyclic semi-regular subgroups of certain 2-transitive permutation groups. Discrete Mathematics, 2010, 310, 3058-3066.	0.6	3
41	Infinite family of large complete arcs in $PG(2, q^n)$, with q odd and $n > 1$ odd. Designs, Codes, and Cryptography, 2010, 55, 285-296.	0.7	1
42	Multiple blocking sets and multisets in Desarguesian planes. Designs, Codes, and Cryptography, 2010, 56, 177-181.	1.6	8
43	Automorphism groups of algebraic curves with p -rank zero. Journal of the London Mathematical Society, 2010, 81, 277-296.	1.6	4
44	Algebraic curves with a large non-tame automorphism group fixing no point. Transactions of the American Mathematical Society, 2010, 362, 5983-5983.	1.0	15
45	A new family of maximal curves over a finite field. Mathematische Annalen, 2009, 343, 229-245.	0.9	18
46	On the intersection pattern of a unital and an oval in $PG(2, q)$.	1.4	83
47	On automorphism groups of certain Goppa codes. Designs, Codes, and Cryptography, 2008, 47, 177-190.	1.0	8
48	Algebraic curves and maximal arcs. Journal of Algebraic Combinatorics, 2008, 28, 531-544.	1.6	10
49	Irreducible collineation groups with two orbits forming an oval. Journal of Combinatorial Theory - Series A, 2007, 114, 1470-1480.	0.8	5
50	Curves covered by the Hermitian curve. Finite Fields and Their Applications, 2006, 12, 539-564.	1.0	9
51	Blocking Sets Of External Lines To A Conic In $PG(2, q)$, q ODD. Combinatorica, 2006, 26, 379-394.	1.2	12
52	Aldo Cossu's Work in Finite Geometry. Mediterranean Journal of Mathematics, 2006, 3, 349-361.	0.8	0
53	Quotient curves of the Suzuki curve. Acta Arithmetica, 2006, 122, 245-274.	0.4	28

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55	Blocking sets of nonsecant lines to a conic in $PG(2,q)$, q odd. <i>Journal of Combinatorial Designs</i> , 2005, 13, 292-301.	0.6	8
56	Hyperbolic Ovals in Finite Planes. <i>Designs, Codes, and Cryptography</i> , 2004, 32, 239-249.	1.6	1
57	Complete arcs arising from conics. <i>Discrete Mathematics</i> , 2003, 267, 181-187.	0.7	10
58	Ovoids of the Hermitian surface in odd characteristic. <i>Advances in Geometry</i> , 2003, 3, 49-58.	0.4	5
59	On the genus of a maximal curve. <i>Mathematische Annalen</i> , 2002, 323, 589-608.	1.4	20
60	Irreducible collineation groups fixing a hyperoval. <i>Journal of Algebra</i> , 2002, 252, 431-448.	0.7	1
61	1-Factorizations of Complete Multigraphs Arising from Finite Geometry. <i>Journal of Combinatorial Theory - Series A</i> , 2001, 93, 385-390.	0.8	7
62	Embedding of a Maximal Curve in a Hermitian Variety. <i>Compositio Mathematica</i> , 2001, 128, 95-113.	0.8	20
63	Unitals in Finite Desarguesian Planes. <i>Journal of Algebraic Combinatorics</i> , 2001, 14, 119-125.	0.8	11
64	Transitive parabolic unitals in translation planes of odd order. <i>Discrete Mathematics</i> , 2001, 231, 3-10.	0.7	5
65	Irreducible collineation groups fixing an oval. <i>Abhandlungen Aus Dem Mathematischen Seminar Der Universitat Hamburg</i> , 1999, 69, 259-264.	0.2	1
66	On Curves Covered by the Hermitian Curve. <i>Journal of Algebra</i> , 1999, 216, 56-76.	0.7	40
67	Fermat Curves over Finite Fields and Cyclic Subsets in High-Dimensional Projective Spaces. <i>Finite Fields and Their Applications</i> , 1999, 5, 206-217.	1.0	7
68	Γ -Transitive Ovals in Projective Planes of Odd Order. <i>Journal of Algebra</i> , 1998, 208, 604-618.	0.7	6
69	Title is missing!. <i>Designs, Codes, and Cryptography</i> , 1997, 10, 109-114.	1.6	3
70	Ovals in commutative semifield planes. <i>Archiv Der Mathematik</i> , 1997, 69, 259-264.	0.5	11
71	Una generalizzazione di un teorema di B. Segre sui punti regolari rispetto ad una ellisse di un piano affine di Galois. <i>Annali Di Matematica Pura Ed Applicata</i> , 1997, 172, 87-102.	1.0	2
72	Classification of maximal caps in $PG(3,5)$ different from elliptic quadrics. <i>Journal of Geometry</i> , 1996, 57, 9-19.	0.4	10

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73	On the Embedding of an Arc into a Conic in a Finite Plane. <i>Finite Fields and Their Applications</i> , 1996, 2, 274-292.	1.0	30
74	The structure of a collineation group preserving an oval in a projective plane of odd order. <i>Geometriae Dedicata</i> , 1995, 57, 73-89.	0.3	3
75	Nuclei of point sets of size $q+1$ contained in the union of two lines in $PG(2,q)$. <i>Combinatorica</i> , 1994, 14, 63-69.	1.2	4
76	Sharply transitive 1-factorizations of the complete graph with an invariant 1-factor. <i>Journal of Combinatorial Designs</i> , 1994, 2, 185-196.	0.6	13
77	Projective planes with non-abelian simple collineation group fixing an oval. <i>Archiv Der Mathematik</i> , 1993, 60, 300-304.	0.5	2
78	One-Factorizations of Complete Graphs with a Doubly Transitive Automorphism Group. <i>Bulletin of the London Mathematical Society</i> , 1993, 25, 1-6.	0.8	29
79	Blocking sets which are preserved by transitive collineation groups. <i>Forum Mathematicum</i> , 1992, 4, .	0.7	4
80	Flocks of hyperbolic quadrics and linear groups containing homologies. <i>Geometriae Dedicata</i> , 1992, 42, 295-309.	0.3	7
81	On $(q+t)$ -arcs of type $(0, 2, t)$ in a desarguesian plane of order q . <i>Mathematical Proceedings of the Cambridge Philosophical Society</i> , 1990, 108, 445-459.	0.4	31
82	Some finite translation planes arising from A_6 -invariant ovoids of the Klein quadric. <i>Journal of Geometry</i> , 1990, 37, 29-47.	0.4	6
83	Collineation groups preserving an oval in a projective plane of odd order. <i>Journal of the Australian Mathematical Society Series A Pure Mathematics and Statistics</i> , 1990, 48, 156-170.	0.3	7
84	A Characterization of the Sharply 3-transitive Finite Permutation Groups. <i>European Journal of Combinatorics</i> , 1990, 11, 213-228.	0.8	4
85	Collineation groups preserving a unit of a projective plane of odd order. <i>Journal of Algebra</i> , 1989, 122, 130-149.	0.7	16
86	Collineation groups preserving a unit in a projective plane of even order. <i>Geometriae Dedicata</i> , 1989, 31, 333.	0.3	8
87	Commutative loops of exponent two and involutorial 3-nets with identity. <i>Geometriae Dedicata</i> , 1988, 28, 259.	0.3	2
88	2-transitive abstract ovals of odd order. <i>Aequationes Mathematicae</i> , 1987, 33, 208-219.	0.8	1
89	Hyperovals with a transitive collineation group. <i>Geometriae Dedicata</i> , 1987, 24, 269.	0.3	7
90	Collineation Groups which are Primitive on an Oval of a Projective Plane of Odd Order. <i>Journal of the London Mathematical Society</i> , 1986, s2-33, 525-534.	1.0	19

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91	Collineation Groups Strongly Irreducible on an Oval. North-Holland Mathematics Studies, 1986, 123, 85-97.	0.2	6
92	Inherited arcs in finite affine planes. Journal of Combinatorial Theory - Series A, 1986, 42, 140-143.	0.8	13
93	A translation plane of order 49 with non-solvable collineation group. Journal of Geometry, 1985, 24, 18-30.	0.4	12
94	On the action of PSU (3,q 2) on an affine plane of orderq 3. Archiv Der Mathematik, 1985, 44, 379-384.	0.5	4
95	A translation plane of order 25. Journal of Geometry, 1984, 22, 108-116.	0.4	3
96	On egglike inversive planes. Journal of Geometry, 1983, 21, 53-58.	0.4	2
97	New Examples of Complete k-Arcs in PG(2, q). European Journal of Combinatorics, 1983, 4, 329-334.	0.8	31
98	Note on (q+2)-Sets in A Galois Plane of Order q. North-Holland Mathematics Studies, 1982, 63, 117-121.	0.2	7
99	Translation Planes of Order 112. North-Holland Mathematics Studies, 1982, 63, 249-264.	0.2	5
100	Desargues Configurations Inscribed in an Oval. North-Holland Mathematics Studies, 1982, 63, 207-209.	0.2	0
101	Moufang loops of odd prime exponent p and a class of linear spaces of order p. Journal of Combinatorial Theory - Series A, 1982, 32, 336-349.	0.8	0
102	Example of a chain of circles on an elliptic quadric of PG(3, q), q = 7, 11. Journal of Combinatorial Theory - Series A, 1981, 31, 98-100.	0.8	7
103	Collineation groups doubly transitive on the points at infinity in an affine plane of order (2 r). Archiv Der Mathematik, 1981, 37, 572-576.	0.5	11
104	A combinatorial characterization of the dihedral subgroups of order 2(p r + 1) of PGL (2, p r). Geometriae Dedicata, 1980, 9, 381.	0.3	7
105	On n ₂ -sets of type (0,1,n) in projective planes. Journal of Geometry, 1980, 15, 170-174.	0.4	5
106	n ₂ -sets in a projective plane which determine exactly n ₂ +n lines. Journal of Geometry, 1980, 15, 175-181.	0.4	7