

Daniele Bartoli

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Minimal codewords arising from the incidence of points and hyperplanes in projective spaces. <i>Advances in Mathematics of Communications</i> , 2023, 17, 56-77.	0.4	1
2	A short note on polynomials $f(X) = X + AX + q^2(q^{\hat{a}} - 1)/4 + BX + 3q^2(q^{\hat{a}} - 1)/4 \hat{a}^{\sim} q^2[X]$, q even. <i>Journal of Algebra and Its Applications</i> , 2023, 22, .	0.3	1
3	New MRD codes from linear cutting blocking sets. <i>Annali Di Matematica Pura Ed Applicata</i> , 2023, 202, 115-142.	0.5	5
4	Planar polynomials arising from linearized polynomials. <i>Journal of Algebra and Its Applications</i> , 2022, 21, .	0.3	2
5	Investigating the exceptionality of scattered polynomials. <i>Finite Fields and Their Applications</i> , 2022, 77, 1019-1056.	0.6	6
6	On cutting blocking sets and their codes. <i>Forum Mathematicum</i> , 2022, 34, 347-368.	0.3	8
7	Two-to-one functions from Galois extensions. <i>Discrete Applied Mathematics</i> , 2022, 309, 194-201.	0.5	0
8	Algebraic Constructions of Complete m -Arcs. <i>Combinatorica</i> , 2022, 42, 673-700.	0.6	3
9	Low c -differential uniformity for functions modified on subfields. <i>Cryptography and Communications</i> , 2022, 14, 1211-1227.	0.9	6
10	On the infiniteness of a family of APN functions. <i>Journal of Algebra</i> , 2022, 598, 68-84.	0.4	1
11	On a conjecture on APN permutations. <i>Cryptography and Communications</i> , 2022, 14, 925-931.	0.9	5
12	r -fat linearized polynomials over finite fields. <i>Journal of Combinatorial Theory - Series A</i> , 2022, 189, 1056-1069.	0.5	4
13	Rational functions with small value set. <i>Journal of Algebra</i> , 2021, 565, 675-690.	0.4	1
14	A family of permutation trinomials over \mathbb{F}_q . <i>Finite Fields and Their Applications</i> , 2021, 70, 1017-1081.	0.6	15
15	On the classification of exceptional scattered polynomials. <i>Journal of Combinatorial Theory - Series A</i> , 2021, 179, 1053-1086.	0.5	12
16	On the weight distribution of some minimal codes. <i>Designs, Codes, and Cryptography</i> , 2021, 89, 471-487.	1.0	1
17	Weierstrass semigroups at every point of the Suzuki curve. <i>Acta Arithmetica</i> , 2021, 197, 1-20.	0.2	4
18	An inductive construction of minimal codes. <i>Cryptography and Communications</i> , 2021, 13, 439-449.	0.9	9

#	ARTICLE	IF	CITATIONS
19	Improvement to the sunflower bound for a class of equidistant constant dimension subspace codes. <i>Journal of Geometry</i> , 2021, 112, 1.	0.1	2
20	On certain self-orthogonal AG codes with applications to Quantum error-correcting codes. <i>Designs, Codes, and Cryptography</i> , 2021, 89, 1221-1239.	1.0	4
21	Evasive subspaces. <i>Journal of Combinatorial Designs</i> , 2021, 29, 533-551.	0.3	6
22	Hasse-Weil type theorems and relevant classes of polynomial functions. , 2021, , 43-102.		7
23	On construction and (non)existence of c -(almost) perfect nonlinear functions. <i>Finite Fields and Their Applications</i> , 2021, 72, 101835.	0.6	25
24	2 -maximal curves with many automorphisms are Galois-covered by the Hermitian curve. <i>Advances in Geometry</i> , 2021, .	0.2	0
25	On trinomials of type $X^n + aX^{n/2} + bX^{n/4} + c$, n, m odd, over F_{q^2} , $q \equiv 1 \pmod{22}$. <i>Finite Fields and Their Applications</i> , 2021, 72, 101816.	0.6	7
26	On a conjecture on permutation rational functions over finite fields. <i>Finite Fields and Their Applications</i> , 2021, 76, 101904.	0.6	5
27	On a conjecture about maximum scattered subspaces of \mathbb{F}_q -linear algebra. <i>Linear Algebra and its Applications</i> , 2021, 631, 111-135.	0.4	10
28	On a generalization of planar functions. <i>Journal of Algebraic Combinatorics</i> , 2020, 52, 187-213.	0.4	22
29	Permutation trinomials over \mathbb{F}_q . <i>Finite Fields and Their Applications</i> , 2020, 61, 101597.	0.6	10
30	Explicit maximal and minimal curves of Artin-Schreier type from quadratic forms. <i>Applicable Algebra in Engineering, Communications and Computing</i> , 2020, 32, 507.	0.3	0
31	On planes through points off the twisted cubic in $PG(3, q)$ and multiple covering codes. <i>Finite Fields and Their Applications</i> , 2020, 67, 101710.	0.6	9
32	Resolving sets for higher dimensional projective spaces. <i>Finite Fields and Their Applications</i> , 2020, 67, 101723.	0.6	6
33	Locally Recoverable Codes From Automorphism Group of Function Fields of Genus g . <i>IEEE Transactions on Information Theory</i> , 2020, 66, 6799-6808.	1.5	7
34	New examples of maximal curves with low genus. <i>Finite Fields and Their Applications</i> , 2020, 68, 101744.	0.6	2
35	Asymptotics of Moore exponent sets. <i>Journal of Combinatorial Theory - Series A</i> , 2020, 175, 105281.	0.5	9
36	A family of planar binomials in characteristic 2. <i>Finite Fields and Their Applications</i> , 2020, 63, 101651.	0.6	2

#	ARTICLE	IF	CITATIONS
37	A new family of maximum scattered linear sets in $PG(1, q^6)$. <i>Ars Mathematica Contemporanea</i> , 2020, 19, 125-145.	0.3	16
38	The Diophantine equation $(x+1)^k+(x+2)^k+\dots+(x+n)^k=y^n$ revisited. <i>Publicaciones Mathematicae</i> , 2020, 96, 111-120.	0.1	1
39	On resolving sets in the point-line incidence graph of $PG(n, q)$. <i>Ars Mathematica Contemporanea</i> , 2020, 19, 231-247.	0.3	1
40	Minimum weight codewords in dual algebraic-geometric codes from the Giulietti-Korchmářros curve. <i>Designs, Codes, and Cryptography</i> , 2019, 87, 1433-1445.	1.0	6
41	Low-degree planar polynomials over finite fields of characteristic two. <i>Journal of Algebra</i> , 2019, 535, 541-555.	0.4	7
42	Linear codes from Denniston maximal arcs. <i>Designs, Codes, and Cryptography</i> , 2019, 87, 795-806.	1.0	0
43	Minimal Linear Codes in Odd Characteristic. <i>IEEE Transactions on Information Theory</i> , 2019, 65, 4152-4155.	1.5	41
44	New bounds for linear codes of covering radii 2 and 3. <i>Cryptography and Communications</i> , 2019, 11, 903-920.	0.9	7
45	Permutation polynomials, fractional polynomials, and algebraic curves. <i>Finite Fields and Their Applications</i> , 2018, 51, 1-16.	0.6	16
46	AG codes and AG quantum codes from the GGS curve. <i>Designs, Codes, and Cryptography</i> , 2018, 86, 2315-2344.	1.0	13
47	On a conjecture about a class of permutation trinomials. <i>Finite Fields and Their Applications</i> , 2018, 52, 30-50.	0.6	32
48	A family of semifields in odd characteristic. <i>Designs, Codes, and Cryptography</i> , 2018, 86, 611-621.	1.0	3
49	Multi point AG codes on the GK maximal curve. <i>Designs, Codes, and Cryptography</i> , 2018, 86, 161-177.	1.0	14
50	Maximum Scattered Linear Sets and Complete Caps in Galois Spaces. <i>Combinatorica</i> , 2018, 38, 255-278.	0.6	37
51	On permutation trinomials of type $x^2 + ax + b$. <i>Finite Fields and Their Applications</i> , 2018, 49, 126-131.	0.6	4
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55	Exceptional scattered polynomials. Journal of Algebra, 2018, 509, 507-534.	0.4	30
56	Pure gaps on curves with many rational places. Finite Fields and Their Applications, 2018, 53, 287-308.	0.6	5
57	Algebraic geometric codes on many points from Kummer extensions. Finite Fields and Their Applications, 2018, 52, 319-335.	0.6	9
58	A Characterization of Hermitian Varieties as Codewords. Electronic Journal of Combinatorics, 2018, 25, .	0.2	1
59	On the completeness of plane cubic curves over finite fields. Designs, Codes, and Cryptography, 2017, 83, 233-267.	1.0	4
60	Complete permutation polynomials from exceptional polynomials. Journal of Number Theory, 2017, 176, 46-66.	0.2	21
61	Conjectural upper bounds on the smallest size of a complete cap in $PG(N, q)$, $N \geq 3$. Electronic Notes in Discrete Mathematics, 2017, 57, 15-20.	0.4	1
62	Upper bounds on the smallest size of a complete cap in $PG(3, q)$ and $PG(4, q)$. Electronic Notes in Discrete Mathematics, 2017, 57, 21-26.	0.4	0
63	Completeness of the 95256-cap in $PG(12, 4)$. Electronic Notes in Discrete Mathematics, 2017, 57, 27-32.	0.4	0
64	A construction of small complete caps in projective spaces. Journal of Geometry, 2017, 108, 215-246.	0.1	6
65	New Bounds for Linear Codes of Covering Radius 2. Lecture Notes in Computer Science, 2017, , 1-10.	1.0	4
66	Complete Caps in $AG(N, q)$ with Both N and q Odd. Journal of Combinatorial Designs, 2017, 25, 419-425.	0.3	3
67	Complete $\text{vec}\{(k, 4)\}$ $(k, 4)$ -arcs from quintic curves. Journal of Geometry, 2017, 108, 985-1011.	0.1	4
68	A family of semifields in characteristic 2. Journal of Algebraic Combinatorics, 2017, 45, 455-473.	0.4	5
69	Constant dimension codes from Riemann-Roch spaces. Advances in Mathematics of Communications, 2017, 11, 705-713.	0.4	0
70	The second and the third smallest arrangements of hyperplanes in finite projective spaces. Finite Fields and Their Applications, 2016, 37, 225-239.	0.6	0
71	On monomial complete permutation polynomials. Finite Fields and Their Applications, 2016, 41, 132-158.	0.6	18
72	New upper bounds on the smallest size of a saturating set in a projective plane. , 2016, , .		4

#	ARTICLE	IF	CITATIONS
73	Upper bounds on the smallest size of a complete arc in a finite Desarguesian projective plane based on computer search. <i>Journal of Geometry</i> , 2016, 107, 89-117.	0.1	4
74	A note on equidistant subspace codes. <i>Discrete Applied Mathematics</i> , 2016, 198, 291-296.	0.5	6
75	On the spectrum of sizes of semiovals contained in the Hermitian curve. <i>European Journal of Combinatorics</i> , 2016, 52, 223-233.	0.5	0
76	Complete $(k,3)$ -arcs from quartic curves. <i>Designs, Codes, and Cryptography</i> , 2016, 79, 487-505.	1.0	7
77	Bounds on the number of rational points of algebraic hypersurfaces over finite fields, with applications to projective Reed-Muller codes. <i>Advances in Mathematics of Communications</i> , 2016, 10, 355-365.	0.4	5
78	Further results on multiple coverings of the farthest-off points. <i>Advances in Mathematics of Communications</i> , 2016, 10, 613-632.	0.4	4
79	On the Covering Radius of MDS Codes. <i>IEEE Transactions on Information Theory</i> , 2015, 61, 801-811.	1.5	14
80	The nonexistence of an additive quaternary $(15,5,2)$ -code. <i>Finite Fields and Their Applications</i> , 2015, 36, 29-40.	0.6	6
81	New types of estimates for the smallest size of complete arcs in a finite Desarguesian projective plane. <i>Journal of Geometry</i> , 2015, 106, 1-17.	0.1	5
82	Small complete caps from singular cubics, II. <i>Journal of Algebraic Combinatorics</i> , 2015, 41, 185-216.	0.4	11
83	Multiple coverings of the farthest-off points with small density from projective geometry. <i>Advances in Mathematics of Communications</i> , 2015, 9, 63-85.	0.4	6
84	Upper bounds on the smallest size of a complete arc in $PG(2, q)$ under a certain probabilistic conjecture. <i>Problems of Information Transmission</i> , 2014, 50, 320-339.	0.3	5
85	On the Structure of Semiovals of Small Size. <i>Journal of Combinatorial Designs</i> , 2014, 22, 525-536.	0.3	6
86	Small Complete Caps from Singular Cubics. <i>Journal of Combinatorial Designs</i> , 2014, 22, 409-424.	0.3	12
87	On the functional codes defined by quadrics and Hermitian varieties. <i>Designs, Codes, and Cryptography</i> , 2014, 71, 21-46.	1.0	7
88	The structure of quaternary quantum caps. <i>Designs, Codes, and Cryptography</i> , 2014, 72, 733-747.	1.0	14
89	The non-existence of some NMDS codes and the extremal sizes of complete $(n,3)$ -arcs in $PG(2,16)$. <i>Designs, Codes, and Cryptography</i> , 2014, 72, 129-134.	1.0	16
90	On the functional codes arising from the intersections of algebraic hypersurfaces of small degree with a non-singular quadric. <i>Advances in Mathematics of Communications</i> , 2014, 8, 271-280.	0.4	2

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91	New upper bounds on the smallest size of a complete arc in a finite Desarguesian projective plane. <i>Journal of Geometry</i> , 2013, 104, 11-43.	0.1	11
92	On the minimum size of complete arcs and minimal saturating sets in projective planes. <i>Journal of Geometry</i> , 2013, 104, 409-419.	0.1	10
93	Small complete caps in three-dimensional Galois spaces. <i>Finite Fields and Their Applications</i> , 2013, 24, 184-191.	0.6	5
94	On the size of the automorphism group of a plane algebraic curve. <i>Journal of Pure and Applied Algebra</i> , 2013, 217, 1224-1236.	0.3	2
95	A note on multiple coverings of the farthest-off points. <i>Electronic Notes in Discrete Mathematics</i> , 2013, 40, 289-293.	0.4	6
96	A new algorithm and a new type of estimate for the smallest size of complete arcs in. <i>Electronic Notes in Discrete Mathematics</i> , 2013, 40, 27-31.	0.4	5
97	Classification of the smallest minimal 1-saturating sets in. <i>Electronic Notes in Discrete Mathematics</i> , 2013, 40, 229-233.	0.4	5
98	A 3-cycle construction of complete arcs sharing $\frac{(q+3)}{2}$ points with a conic. <i>Advances in Mathematics of Communications</i> , 2013, 7, 319-334.	0.4	3
99	New Quantum Caps in $PG(4, 4)$. <i>Journal of Combinatorial Designs</i> , 2012, 20, 448-466.	0.3	15
100	On sizes of complete arcs in $PG(4, 4)$. <i>Discrete Mathematics</i> , 2012, 312, 680-698.	0.4	13
101	The minimum order of complete caps in $PG(4, 4)$. <i>Advances in Mathematics of Communications</i> , 2011, 5, 37-40.	0.4	7