

# Giorgio Faina

## List of Publications by Year in descending order

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39  
papers

292  
citations

933447

10  
h-index

996975

15  
g-index

40  
all docs

40  
docs citations

40  
times ranked

74  
citing authors

#	ARTICLE	IF	CITATIONS
1	A construction of small complete caps in projective spaces. <i>Journal of Geometry</i> , 2017, 108, 215-246.	0.4	6
2	Complete Caps in $AG(N, q)$ with Both $N$ and $q$ Odd. <i>Journal of Combinatorial Designs</i> , 2017, 25, 419-425.	0.6	3
3	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.	0.4	4
4	The nonexistence of an additive quaternary $[15, 5, 1, 6]$ . <i>Finite Fields and Their Applications</i> , 2015, 36, 29-40.	1.0	6
5	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.	0.4	5
6	The structure of quaternary quantum caps. <i>Designs, Codes, and Cryptography</i> , 2014, 72, 733-747.	1.6	14
7	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.	0.4	11
8	Embedding 1-Factorizations of $K_n$ in $PG(2, 32)$ . <i>Graphs and Combinatorics</i> , 2013, 29, 883-892.	0.4	2
9	On the minimum size of complete arcs and minimal saturating sets in projective planes. <i>Journal of Geometry</i> , 2013, 104, 409-419.	0.4	10
10	Small complete caps in three-dimensional Galois spaces. <i>Finite Fields and Their Applications</i> , 2013, 24, 184-191.	1.0	5
11	On the genus of a cyclic curve over a finite field. <i>Electronic Notes in Discrete Mathematics</i> , 2013, 40, 117-120.	0.4	0
12	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
13	Classification of the smallest minimal 1-saturating sets in. <i>Electronic Notes in Discrete Mathematics</i> , 2013, 40, 229-233.	0.4	5
14	New Quantum Caps in $PG(4, 4)$ . <i>Journal of Combinatorial Designs</i> , 2012, 20, 448-466.	0.6	15
15	On sizes of complete arcs in $[P, G, 2, 13]$ . <i>Discrete Mathematics</i> , 2012, 312, 680-698.	0.7	13
16	Generalized Algebraic Geometric Codes From Maximal Curves. <i>IEEE Transactions on Information Theory</i> , 2012, 58, 2386-2396.	2.4	5
17	Short Additive Quaternary Codes. <i>IEEE Transactions on Information Theory</i> , 2009, 55, 952-954.	2.4	14
18	On sizes of complete caps in projective spaces $PG(n, q)$ and arcs in planes $PG(2, q)$ . <i>Journal of Geometry</i> , 2009, 94, 31-58.	0.4	23

#	ARTICLE	IF	CITATIONS
19	The geometry of quantum codes. <i>Innovations in Incidence Geometry</i> , 2008, 6, 53-71.	0.1	13
20	Aldo Cossu's Work in Finite Geometry. <i>Mediterranean Journal of Mathematics</i> , 2006, 3, 349-361.	0.8	0
21	Locally Optimal (Nonshortening) Linear Covering Codes and Minimal Saturating Sets in Projective Spaces. <i>IEEE Transactions on Information Theory</i> , 2005, 51, 4378-4387.	2.4	11
22	Computer search in projective planes for the sizes of complete arcs. <i>Journal of Geometry</i> , 2005, 82, 50-62.	0.4	26
23	Constructions of Small Complete Caps in Binary Projective Spaces. <i>Designs, Codes, and Cryptography</i> , 2005, 37, 61-80.	1.6	3
24	On small dense arcs in Galois planes of square order. <i>Discrete Mathematics</i> , 2003, 267, 113-125.	0.7	7
25	The Cyclic Model for $PG(n, q)$ and a Construction of Arcs. <i>European Journal of Combinatorics</i> , 2002, 23, 31-35.	0.8	7
26	On some 10-arcs for deriving the minimum order for complete arcs in small projective planes. <i>Discrete Mathematics</i> , 1999, 208-209, 261-271.	0.7	9
27	On the spectrum of the values $k$ for which a complete $k$ -cap in $PG(n, q)$ exists. <i>Journal of Geometry</i> , 1998, 62, 84-98.	0.4	34
28	Small complete caps in $PG(r, q)$ , $r \equiv 3 \pmod{4}$ . <i>Discrete Mathematics</i> , 1997, 174, 117-123.	0.7	4
29	A class of complete $k$ -caps in $PG(3, q)$ for $q$ an odd prime. <i>Journal of Geometry</i> , 1996, 57, 93-105.	0.4	10
30	Coni generalizzati e piani di Laguerre. <i>Rendiconti Del Circolo Matematico Di Palermo</i> , 1994, 43, 285-302.	1.3	0
31	Recent intrinsic characterizations of ovoids and elliptic quadrics in $PG(3, K)$ . <i>Annals of Discrete Mathematics</i> , 1992, , 175-190.	1.4	2
32	Pascalian Configurations in Projective Planes. <i>North-Holland Mathematics Studies</i> , 1986, 123, 203-215.	0.2	0
33	Note on the non projective Krier-B-oval. <i>Archiv Der Mathematik</i> , 1986, 47, 465-468.	0.5	1
34	The B-ovals of order $q \equiv 1/2 \pmod{8}$ . <i>Journal of Combinatorial Theory - Series A</i> , 1984, 36, 307-314.	0.8	7
35	Sull'esistenza di certe configurazioni geometriche collegate ai piani proiettivi di ordine 10. <i>Rendiconti Del Circolo Matematico Di Palermo</i> , 1984, 33, 369-373.	1.3	0
36	A Graphic Characterization of Hermitian Curves. <i>North-Holland Mathematics Studies</i> , 1983, , 335-342.	0.2	10

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37	Desargues Configurations Inscribed in an Oval. North-Holland Mathematics Studies, 1982, 63, 207-209.	0.2	0
38	Una costruzione di una classe di 3-tessuti. Rendiconti Del Circolo Matematico Di Palermo, 1982, 31, 247-256.	1.3	0
39	A new class of 2-transitive involutory permutation sets. Aequationes Mathematicae, 1982, 24, 175-178.	0.8	2