

Fernanda Pambianco

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/227764/publications.pdf>

Version: 2024-02-01

76
papers

597
citations

687363

13
h-index

794594

19
g-index

76
all docs

76
docs citations

76
times ranked

112
citing authors

#	ARTICLE	IF	CITATIONS
1	On the weight distribution of the cosets of MDS codes. Advances in Mathematics of Communications, 2023, 17, 1115-1138.	0.7	0
2	Upper bounds on the length function for covering codes with covering radius R and codimension $tR+1$. Advances in Mathematics of Communications, 2023, 17, 98-118.	0.7	1
3	Twisted cubic and plane-line incidence matrix in $\mathrm{PG}(3,q)$. Journal of Geometry, 2022, 113, .	0.4	6
4	Optimal Additive Quaternary Codes of Low Dimension. IEEE Transactions on Information Theory, 2021, 67, 5116-5118.	2.4	1
5	Twisted cubic and point-line incidence matrix in $\mathrm{PG}(3,q)$. Designs, Codes, and Cryptography, 2021, 89, 2211-2233.	1.6	9
6	On Cosets Weight Distribution of Doubly-Extended Reed-Solomon Codes of Codimension 4. IEEE Transactions on Information Theory, 2021, 67, 5088-5096.	2.4	8
7	Additive Quaternary Codes Related to Exceptional Linear Quaternary Codes. IEEE Transactions on Information Theory, 2020, 66, 273-277.	2.4	2
8	On planes through points off the twisted cubic in $\mathrm{PG}(3,q)$ and multiple covering codes. Finite Fields and Their Applications, 2020, 67, 101710.	1.0	9
9	Resolving sets for higher dimensional projective spaces. Finite Fields and Their Applications, 2020, 67, 101723.	1.0	6
10	Bounds for Complete Arcs in $\mathrm{PG}(3,q)$ and Covering Codes of Radius 3, Codimension 4, Under a Certain Probabilistic Conjecture. Lecture Notes in Computer Science, 2020, , 107-122.	1.3	3
11	On resolving sets in the point-line incidence graph of $\mathrm{PG}(n, q)$. Ars Mathematica Contemporanea, 2020, 19, 231-247.	0.6	1
12	New covering codes of radius R , codimension tR and $tR+\frac{R}{2}$, and saturating sets in projective spaces. Designs, Codes, and Cryptography, 2019, 87, 2771-2792.	1.6	8
13	New bounds for linear codes of covering radius 3 and 2-saturating sets in projective spaces. , 2019, , .		4
14	New bounds for linear codes of covering radii 2 and 3. Cryptography and Communications, 2019, 11, 903-920.	1.4	7
15	A family of semifields in odd characteristic. Designs, Codes, and Cryptography, 2018, 86, 611-621.	1.6	3
16	On the Smallest Size of an Almost Complete Subset of a Conic in $\mathrm{PG}(2, q)$ and Extendability of Reed-Solomon Codes. Problems of Information Transmission, 2018, 54, 101-115.	0.5	1
17	On Almost Complete Caps in $\mathrm{PG}(N, q)$. Cybernetics and Information Technologies, 2018, 18, 54-62.	1.1	0
18	On the completeness of plane cubic curves over finite fields. Designs, Codes, and Cryptography, 2017, 83, 233-267.	1.6	4

#	ARTICLE	IF	CITATIONS
19	Conjectural upper bounds on the smallest size of a complete cap in $PG(N, q)$, $N \geq 3$. <i>Electronic Notes in Discrete Mathematics</i> , 2017, 57, 15-20.	0.4	1
20	Upper bounds on the smallest size of a complete cap in $PG(3, q)$ and $PG(4, q)$. <i>Electronic Notes in Discrete Mathematics</i> , 2017, 57, 21-26.	0.4	0
21	Completeness of the 95256-cap in $PG(12, 4)$. <i>Electronic Notes in Discrete Mathematics</i> , 2017, 57, 27-32.	0.4	0
22	A combinatorial construction of an M_{12} -invariant code. <i>Electronic Notes in Discrete Mathematics</i> , 2017, 57, 61-66.	0.4	0
23	A construction of small complete caps in projective spaces. <i>Journal of Geometry</i> , 2017, 108, 215-246.	0.4	6
24	New Bounds for Linear Codes of Covering Radius 2. <i>Lecture Notes in Computer Science</i> , 2017, , 1-10.	1.3	4
25	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
26	A family of semifields in characteristic 2. <i>Journal of Algebraic Combinatorics</i> , 2017, 45, 455-473.	0.8	5
27	New upper bounds on the smallest size of a saturating set in a projective plane. , 2016, , .		4
28	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
29	On the spectrum of sizes of semiovals contained in the Hermitian curve. <i>European Journal of Combinatorics</i> , 2016, 52, 223-233.	0.8	0
30	On constructions and parameters of symmetric configurations $S(v, k)$. <i>Designs, Codes, and Cryptography</i> , 2016, 80, 125-147.	1.6	9
31	Further results on multiple coverings of the farthest-off points. <i>Advances in Mathematics of Communications</i> , 2016, 10, 613-632.	0.7	4
32	The nonexistence of an additive quaternary $(15, 5, 1)$ -code. <i>Finite Fields and Their Applications</i> , 2015, 36, 29-40.	1.0	6
33	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
34	Multiple coverings of the farthest-off points with small density from projective geometry. <i>Advances in Mathematics of Communications</i> , 2015, 9, 63-85.	0.7	6
35	Characterization of the Fermat curve as the most symmetric nonsingular algebraic plane curve. <i>Mathematische Zeitschrift</i> , 2014, 277, 975-993.	0.9	4
36	The structure of quaternary quantum caps. <i>Designs, Codes, and Cryptography</i> , 2014, 72, 733-747.	1.6	14

#	ARTICLE	IF	CITATIONS
37	The non-existence of some NMDS codes and the extremal sizes of complete $PG(2, 16)$ designs. <i>Designs, Codes, and Cryptography</i> , 2014, 72, 129-134.	1.6	16
38	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
39	Unitary graphs and classification of a family of symmetric graphs with complete quotients. <i>Journal of Algebraic Combinatorics</i> , 2013, 38, 745-765.	0.8	2
40	Some Combinatorial Aspects of Constructing Bipartite-Graph Codes. <i>Graphs and Combinatorics</i> , 2013, 29, 187-212.	0.4	8
41	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
42	Transitive A 6-invariant k-arcs in $PG(2, q)$. <i>Designs, Codes, and Cryptography</i> , 2013, 68, 73-79.	1.6	8
43	A note on multiple coverings of the farthest-off points. <i>Electronic Notes in Discrete Mathematics</i> , 2013, 40, 289-293.	0.4	6
44	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
45	Classification of the smallest minimal 1-saturating sets in. <i>Electronic Notes in Discrete Mathematics</i> , 2013, 40, 229-233.	0.4	5
46	A 3-cycle construction of complete arcs sharing $(q+3)/2$ points with a conic. <i>Advances in Mathematics of Communications</i> , 2013, 7, 319-334.	0.7	3
47	New Quantum Caps in $PG(4, 4)$. <i>Journal of Combinatorial Designs</i> , 2012, 20, 448-466.	0.6	15
48	On sizes of complete arcs in $PG(2, q)$. <i>Discrete Mathematics</i> , 2012, 312, 680-698.	0.7	13
49	The Nonexistence of a $[[13, 5, 4]]$ -Quantum Stabilizer Code. <i>IEEE Transactions on Information Theory</i> , 2011, 57, 4788-4793.	2.4	3
50	Linear nonbinary covering codes and saturating sets in projective spaces. <i>Advances in Mathematics of Communications</i> , 2011, 5, 119-147.	0.7	43
51	The minimum order of complete caps in $PG(4, 4)$. <i>Advances in Mathematics of Communications</i> , 2011, 5, 37-40.	0.7	7
52	On the spectrum of the sizes of semiovals in $PG(2, q)$. <i>Discrete Mathematics</i> , 2010, 310, 3188-3193.	0.7	7
53	A geometric non-existence proof of an extremal additive code. <i>Journal of Combinatorial Theory - Series A</i> , 2010, 117, 128-137.	0.8	5
54	Short Additive Quaternary Codes. <i>IEEE Transactions on Information Theory</i> , 2009, 55, 952-954.	2.4	14

#	ARTICLE	IF	CITATIONS
55	Complete $(q^2 + q + 8)/2$ -caps in the spaces $PG(3, q)$, $q \equiv 2 \pmod{3}$ an odd prime, and a complete 20-cap in $PG(3, 5)$. <i>Designs, Codes, and Cryptography</i> , 2009, 50, 359-372.	1.6	3
56	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
57	The geometry of quantum codes. <i>Innovations in Incidence Geometry</i> , 2008, 6, 53-71.	0.1	13
58	Complete arcs in $PG(2, q)$. <i>Journal of Geometry</i> , 2008, 93, 1-10.	0.7	12
59	Minimal 1-saturating sets and complete caps in binary projective spaces. <i>Journal of Combinatorial Theory - Series A</i> , 2006, 113, 647-663.	0.7	7
60	Minimal 1-saturating sets and complete caps in binary projective spaces. <i>Journal of Combinatorial Theory - Series A</i> , 2006, 113, 647-663.	0.8	12
61	Note on disjoint blocking sets in Galois planes. <i>Journal of Combinatorial Designs</i> , 2006, 14, 149-158.	0.6	4
62	Maximal blocking sets in Galois planes. <i>Journal of Combinatorial Designs</i> , 2006, 14, 159-168.	0.7	12
63	On blocking sets of inversive planes. <i>Journal of Combinatorial Designs</i> , 2005, 13, 268-275.	0.6	1
64	On Arcs and Curves with Many Automorphisms. <i>Mediterranean Journal of Mathematics</i> , 2005, 2, 71-102.	0.8	6
65	Computer search in projective planes for the sizes of complete arcs. <i>Journal of Geometry</i> , 2005, 82, 50-62.	0.4	26
66	Constructions of Small Complete Caps in Binary Projective Spaces. <i>Designs, Codes, and Cryptography</i> , 2005, 37, 61-80.	1.6	3
67	Classification of the $(n, 3)$ -arcs in $PG(2, 7)$. <i>Journal of Geometry</i> , 2004, 80, 179.	0.4	7
68	Complete caps in projective spaces $PG(n, q)$. <i>Journal of Geometry</i> , 2004, 80, 23.	0.4	18
69	Projective Planes, Coverings and a Network Problem. <i>Designs, Codes, and Cryptography</i> , 2003, 29, 71-89.	1.6	1
70	On saturating sets in projective spaces. <i>Journal of Combinatorial Theory - Series A</i> , 2003, 103, 1-15.	0.8	22
71	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
72	On Complete Arcs Arising from Plane Curves. <i>Designs, Codes, and Cryptography</i> , 2002, 25, 237-246.	1.6	20

#	ARTICLE	IF	CITATIONS
73	On the spectrum of the values k for which a complete k -cap in $PG(n, q)$ exists. Journal of Geometry, 1998, 62, 84-98.	0.4	34
74	Small complete caps in $PG(r, q)$, $r \equiv 3 \pmod{4}$. Discrete Mathematics, 1997, 174, 117-123.	0.7	4
75	A class of complete k -caps in $PG(3, q)$ for q an odd prime. Journal of Geometry, 1996, 57, 93-105.	0.4	10
76	On the Michelson-Morley experiment. Foundations of Physics, 1994, 24, 885-899.	1.3	23