Fernanda Pambianco

List of Publications by Year
in descending order

76	597	687363 13	794594 19
papers	citations	h-index	g-index

76	76	76	112
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Linear nonbinary covering codes and saturating sets in projective spaces. Advances in Mathematics of Communications, 2011, 5, 119-147.	0.7	43
2	On the spectrum of the valuesk for which a completek- cap in PG(n, q) exists. Journal of Geometry, 1998, 62, 84-98.	0.4	34
3	Computer search in projective planes for the sizes of complete arcs. Journal of Geometry, 2005, 82, 50-62.	0.4	26
4	On the Michelson-Morley experiment. Foundations of Physics, 1994, 24, 885-899.	1.3	23
5	On sizes of complete caps in projective spaces PG(n, q) and arcs in planes PG(2, q). Journal of Geometry, 2009, 94, 31-58.	0.4	23
6	On saturating sets in projective spaces. Journal of Combinatorial Theory - Series A, 2003, 103, 1-15.	0.8	22
7	On Complete Arcs Arising from Plane Curves. Designs, Codes, and Cryptography, 2002, 25, 237-246.	1.6	20
8	Complete caps in projective spaces PG (n, q). Journal of Geometry, 2004, 80, 23.	0.4	18
9	The non-existence of some NMDS codes and the extremal sizes of complete $$(n,3)$$ (n , 3) -arcs in $$PG(2,16)$$ PG (2 , 16). Designs, Codes, and Cryptography, 2014, 72, 129-134.	1.6	16
10	New Quantum Caps in PG(4, 4). Journal of Combinatorial Designs, 2012, 20, 448-466.	0.6	15
11	Short Additive Quaternary Codes. IEEE Transactions on Information Theory, 2009, 55, 952-954.	2.4	14
12	The structure of quaternary quantum caps. Designs, Codes, and Cryptography, 2014, 72, 733-747.	1.6	14
13	The geometry of quantum codes. Innovations in Incidence Geometry, 2008, 6, 53-71.	0.1	13
14	On sizes of complete arcs in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si125.gif" display="inline" overflow="scroll"><mml:mi>P</mml:mi><mml:mi>G</mml:mi><mml:mrow><mml:mo>(</mml:mo><mml:mn>2</mml:mn><mml:mo>,<</mml:mo> Discrete Mathematics, 2012, 312, 680-698.	0.7	13
15	xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd"	0.7	12
16	Minimal 1-saturating sets and complete caps in binary projective spaces. Journal of Combinatorial Theory - Series A, 2006, 113, 647-663.	0.8	12
17	xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd"	0.7	12
18	New upper bounds on the smallest size of a complete arc in a finite Desarguesian projective plane. Journal of Geometry, 2013, 104, 11-43.	0.4	11

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19	A class of completek-caps inPG(3,q) forq an odd prime. Journal of Geometry, 1996, 57, 93-105.	0.4	10
20	On the minimum size of complete arcs and minimal saturating sets in projective planes. Journal of Geometry, 2013, 104, 409-419.	0.4	10
21	On constructions and parameters of symmetric configurations $$v_{k}$$ v k. Designs, Codes, and Cryptography, 2016, 80, 125-147.	1.6	9
22	On planes through points off the twisted cubic in PG(3,q) and multiple covering codes. Finite Fields and Their Applications, 2020, 67, 101710.	1.0	9
23	Twisted cubic and point-line incidence matrix in $$mathrm {PG}(3,q)$$. Designs, Codes, and Cryptography, 2021, 89, 2211-2233.	1.6	9
24	Some Combinatorial Aspects of Constructing Bipartite-Graph Codes. Graphs and Combinatorics, 2013, 29, 187-212.	0.4	8
25	Transitive A 6-invariant k-arcs in PG(2, q). Designs, Codes, and Cryptography, 2013, 68, 73-79.	1.6	8
26	New covering codes of radius R, codimension tR and $$tR+rac{R}{2}$$, and saturating sets in projective spaces. Designs, Codes, and Cryptography, 2019, 87, 2771-2792.	1.6	8
27	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
28	The Cyclic Model forPG(n, q) and a Construction of Arcs. European Journal of Combinatorics, 2002, 23, 31-35.	0.8	7
29	Classification of the (n, 3)-arcs in PG(2, 7). Journal of Geometry, 2004, 80, 179.	0.4	7
30	The smallest size of a complete cap in <mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevi	0.7	7
31	On the spectrum of the sizes of semiovals in PG<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" display="inline" overflow="scroll"><mml:mrow><mml:mo>(</mml:mo><mml:mn>2</mml:mn><mml:mo>,</mml:mo><mml:mi>q</mml:mi><mml:mo <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif" display="inline" overflow="scroll"><mml:mi>q</mml:mi></mml:math> odd. Discrete Mathematics, 2010, 310, 3188-3193.	0.7	7
32	New bounds for linear codes of covering radii 2 and 3. Cryptography and Communications, 2019, 11, 903-920.	1.4	7
33	The minimum order of complete caps in $PG(4,4)$. Advances in Mathematics of Communications, 2011, 5, 37-40.	0.7	7
34	On Arcs and Curves with Many Automorphisms. Mediterranean Journal of Mathematics, 2005, 2, 71-102.	0.8	6
35	A note on multiple coverings of the farthest-off points. Electronic Notes in Discrete Mathematics, 2013, 40, 289-293.	0.4	6
36	The nonexistence of an additive quaternary <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mo stretchy="false">[</mml:mo><mml:mn>15</mml:mn><mml:mo>,</mml:mo><mml:mn>5</mml:mn><mml:mo>,</mml:mo><mml:mn>9 stretchy="false">]</mml:mo></mml:math>-code. Finite Fields and Their Applications, 2015, 36, 29-40.	1.0	6

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37	A construction of small complete caps in projective spaces. Journal of Geometry, 2017, 108, 215-246.	0.4	6
38	Resolving sets for higher dimensional projective spaces. Finite Fields and Their Applications, 2020, 67, 101723.	1.0	6
39	Multiple coverings of the farthest-off points with small density from projective geometry. Advances in Mathematics of Communications, 2015, 9, 63-85.	0.7	6
40	Twisted cubic and plane-line incidence matrix in $$mathrm {PG}(3,q)$$. Journal of Geometry, 2022, 113, .	0.4	6
41	A geometric non-existence proof of an extremal additive code. Journal of Combinatorial Theory - Series A, 2010, 117, 128-137.	0.8	5
42	A new algorithm and a new type of estimate for the smallest size of complete arcs in. Electronic Notes in Discrete Mathematics, 2013, 40, 27-31.	0.4	5
43	Classification of the smallest minimal 1-saturating sets in. Electronic Notes in Discrete Mathematics, 2013, 40, 229-233.	0.4	5
44	New types of estimates for the smallest size of complete arcs in a finite Desarguesian projective plane. Journal of Geometry, 2015, 106, 1-17.	0.4	5
45	A family of semifields in characteristic 2. Journal of Algebraic Combinatorics, 2017, 45, 455-473.	0.8	5
46	Small complete caps in PG(r,q), r â©¾ 3. Discrete Mathematics, 1997, 174, 117-123.	0.7	4
47	Note on disjoint blocking sets in Galois planes. Journal of Combinatorial Designs, 2006, 14, 149-158.	0.6	4
48	Characterization of the Fermat curve as the most symmetric nonsingular algebraic plane curve. Mathematische Zeitschrift, 2014, 277, 975-993.	0.9	4
49	New upper bounds on the smallest size of a saturating set in a projective plane. , 2016, , .		4
50	Upper bounds on the smallest size of a complete arc in a finite Desarguesian projective plane based on computer search. Journal of Geometry, 2016, 107, 89-117.	0.4	4
51	On the completeness of plane cubic curves over finite fields. Designs, Codes, and Cryptography, 2017, 83, 233-267.	1.6	4
52	New Bounds for Linear Codes of Covering Radius 2. Lecture Notes in Computer Science, 2017, , 1-10.	1.3	4
53	New bounds for linear codes of covering radius 3 and 2-saturating sets in projective spaces. , 2019, , .		4
54	Further results on multiple coverings of the farthest-off points. Advances in Mathematics of Communications, 2016, 10, 613-632.	0.7	4

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55	Constructions of Small Complete Caps in Binary Projective Spaces. Designs, Codes, and Cryptography, 2005, 37, 61-80.	1.6	3
56	Complete (q 2Â+ÂqÂ+Â8)/2-caps in the spaces PG(3, q), q â‰¡ 2 (mod 3) an odd prime, and a complete 20-cap in PG(3, 5). Designs, Codes, and Cryptography, 2009, 50, 359-372.	1.6	3
57	The Nonexistence of a $[[{13,5,4}]]$-Quantum Stabilizer Code. IEEE Transactions on Information Theory, 2011, 57, 4788-4793.	2.4	3
58	Complete Caps in AG(N,q) with BothNandqOdd. Journal of Combinatorial Designs, 2017, 25, 419-425.	0.6	3
59	A family of semifields in odd characteristic. Designs, Codes, and Cryptography, 2018, 86, 611-621.	1.6	3
60	A 3-cycle construction of complete arcs sharing $(q+3)/2$ points with a conic. Advances in Mathematics of Communications, 2013, 7, 319-334.	0.7	3
61	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
62	Unitary graphs and classification of a family of symmetric graphs with complete quotients. Journal of Algebraic Combinatorics, 2013, 38, 745-765.	0.8	2
63	Additive Quaternary Codes Related to Exceptional Linear Quaternary Codes. IEEE Transactions on Information Theory, 2020, 66, 273-277.	2.4	2
64	Projective Planes, Coverings and a Network Problem. Designs, Codes, and Cryptography, 2003, 29, 71-89.	1.6	1
65	On blocking sets of inversive planes. Journal of Combinatorial Designs, 2005, 13, 268-275.	0.6	1
66	Conjectural upper bounds on the smallest size of a complete cap in PG(N , q), N â‰¥ 3. Electronic Notes in Discrete Mathematics, 2017, 57, 15-20.	0.4	1
67	On the Smallest Size of an Almost Complete Subset of a Conic in PG(2, q) and Extendability of Reedâ€“Solomon Codes. Problems of Information Transmission, 2018, 54, 101-115.	0.5	1
68	Optimal Additive Quaternary Codes of Low Dimension. IEEE Transactions on Information Theory, 2021, 67, 5116-5118.	2.4	1
69	On resolving sets in the point-line incidence graph of PG(n, q). Ars Mathematica Contemporanea, 2020, 19, 231-247.	0.6	1
70	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
71	On the spectrum of sizes of semiovals contained in the Hermitian curve. European Journal of Combinatorics, 2016, 52, 223-233.	0.8	0
72	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

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73	Completeness of the 95256-cap in PG (12, 4). Electronic Notes in Discrete Mathematics, 2017, 57, 27-32.	0.4	0
74	A combinatorial construction of an M 12 -invariant code. Electronic Notes in Discrete Mathematics, 2017, 57, 61-66.	0.4	0
75	On the weight distribution of the cosets of MDS codes. Advances in Mathematics of Communications, 2023, 17, 1115-1138.	0.7	0
76	On Almost Complete Caps in PG(N, q). Cybernetics and Information Technologies, 2018, 18, 54-62.	1.1	0