

Tim Penttala

List of Publications by Year in descending order

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72
papers

1,000
citations

430754

18
h-index

477173

29
g-index

72
all docs

72
docs citations

72
times ranked

180
citing authors

#	ARTICLE	IF	CITATIONS
1	Linear Groups with Orders Having Certain Large Prime Divisors. Proceedings of the London Mathematical Society, 1999, 78, 167-214.	0.6	83
2	Ovoids of Parabolic Spaces. Geometriae Dedicata, 2000, 82, 1-19.	0.1	59
3	Tight sets and m-ovoids of finite polar spaces. Journal of Combinatorial Theory - Series A, 2007, 114, 1293-1314.	0.5	56
4	HEMISYSTEMS ON THE HERMITIAN SURFACE. Journal of the London Mathematical Society, 2005, 72, 731-741.	0.5	55
5	Sets of type (m, n) in the affine and projective planes of order nine. Designs, Codes, and Cryptography, 1995, 6, 229-245.	1.0	49
6	Ovoids of $PG(3, 16)$ are elliptic quadrics, II. Journal of Geometry, 1992, 44, 140-159.	0.1	39
7	Tight sets and m-ovoids of generalised quadrangles. Combinatorica, 2009, 29, 1-17.	0.6	36
8	Ovoids of $PG(3, 16)$ are elliptic quadrics. Journal of Geometry, 1990, 38, 95-106.	0.1	32
9	Classification of ovoids in $PG(3, 32)$. Journal of Geometry, 1994, 50, 143-150.	0.1	30
10	Hyperovals in the known projective planes of order 16. Journal of Combinatorial Designs, 1996, 4, 59-65.	0.3	28
11	Cameron-Liebler line classes in $PG(3, q)$. Geometriae Dedicata, 1991, 37, 245.	0.1	27
12	A new hyperoval in $PG(2, 32)$. Journal of Geometry, 1992, 44, 117-139.	0.1	23
13	Classification of hyperovals in $PG(2, 32)$. Journal of Geometry, 1994, 50, 151-158.	0.1	22
14	Irregular hyperovals in $PG(2, 64)$. Journal of Geometry, 1994, 51, 89-100.	0.1	22
15	Hyperovals in $PG(2, 16)$. European Journal of Combinatorics, 1991, 12, 51-59.	0.5	21
16	Characterizations of Buekenhout-Metz unitals. Geometriae Dedicata, 1996, 59, 29.	0.1	21
17	Ovoids and Translation Ovals. Journal of the London Mathematical Society, 1997, 56, 607-624.	0.5	21
18	New families of Q -polynomial association schemes. Journal of Combinatorial Theory - Series A, 2011, 118, 502-509.	0.5	21

#	ARTICLE	IF	CITATIONS
19	Block-transitive, point-imprimitive designs with $\hat{\lambda} = 1$. Discrete Mathematics, 1993, 115, 231-244.	0.4	18
20	On hyperovals in small projective planes. Journal of Geometry, 1995, 54, 91-104.	0.1	18
21	A unified construction of finite geometries associated with q-clans in characteristic 2. Advances in Geometry, 2003, 3, 1-21.	0.2	17
22	Groups of Maximal Arcs. Journal of Combinatorial Theory - Series A, 2001, 94, 63-86.	0.5	16
23	Overgroups of Cyclic Sylow Subgroups of Linear Groups. Communications in Algebra, 2008, 36, 2503-2543.	0.3	16
24	Cameron-Liebler line classes in PG(3,4). Bulletin of the Belgian Mathematical Society - Simon Stevin, 2006, 12, .	0.1	16
25	The block-transitive, point-imprimitive 2-(729, 8, 1) designs. Applicable Algebra in Engineering, Communications and Computing, 1992, 3, 47-61.	0.3	15
26	Sets of Type (a, b) From Subgroups of $\hat{\Gamma}L(1, pR)$. Journal of Algebraic Combinatorics, 2001, 13, 67-76.	0.4	14
27	Hyperbolic Fibrations and q-Clans. Designs, Codes, and Cryptography, 2005, 34, 295-305.	1.0	14
28	Derivation of Cameron's Liebler line classes. Designs, Codes, and Cryptography, 2018, 86, 231-236.	1.0	13
29	Isomorphisms between Subiaco $\{q\}$ -clan geometries. Bulletin of the Belgian Mathematical Society - Simon Stevin, 1995, 2, .	0.1	13
30	Symmetries of arcs. Journal of Combinatorial Theory - Series A, 1994, 66, 53-67.	0.5	12
31	Polynomials for hyperovals of Desarguesian planes. Journal of the Australian Mathematical Society Series A Pure Mathematics and Statistics, 1991, 51, 436-447.	0.3	11
32	Configurations of ovals. Journal of Geometry, 2003, 76, 233-255.	0.1	11
33	Some remarks on flocks. Journal of the Australian Mathematical Society, 2004, 76, 329-344.	0.3	9
34	A classification of transitive ovoids, spreads, and m-systems of polar spaces. Forum Mathematicum, 2009, 21, .	0.3	9
35	Ovoids with a pencil of translation ovals. Geometriae Dedicata, 1996, 62, 19.	0.1	8
36	Automorphism Groups of Generalized Quadrangles via an Unusual Action of $\hat{\Gamma}L(2, 2Sph)$. European Journal of Combinatorics, 2002, 23, 213-232.	0.5	8

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37	The geometry of some two-character sets. <i>Designs, Codes, and Cryptography</i> , 2008, 46, 231-241.	1.0	8
38	Monomial Flocks and Herds Containing a Monomial Oval. <i>Journal of Combinatorial Theory - Series A</i> , 1998, 83, 21-41.	0.5	7
39	Extending pseudo-arcs in odd characteristic. <i>Finite Fields and Their Applications</i> , 2013, 22, 101-113.	0.6	7
40	A characterisation of thas maximal arcs in translation planes of square order. <i>Journal of Geometry</i> , 1994, 51, 60-66.	0.1	6
41	Characterisations of Flock Quadrangles. <i>Geometriae Dedicata</i> , 2000, 82, 171-191.	0.1	6
42	Classification of flocks of the quadratic cone over fields of order at most 29. <i>Advances in Geometry</i> , 2003, 3, 232-244.	0.2	6
43	Symplectic Spreads. <i>Designs, Codes, and Cryptography</i> , 2004, 32, 9-14.	1.0	6
44	On m-regular systems on $\hat{\mathbb{A}}_n(q, 2)$. <i>Journal of Algebraic Combinatorics</i> , 2009, 29, 437-445.	0.4	6
45	Ovoids and monomial ovals. <i>Geometriae Dedicata</i> , 1996, 59, 223.	0.1	5
46	Flocks and Partial Flocks of Hyperbolic Quadrics via Root Systems. <i>Journal of Algebraic Combinatorics</i> , 2002, 16, 21-30.	0.4	5
47	RELATION GENERALIZED QUADRANGLES AND TETRADIC SETS OF ELLIPTIC QUADRICS OF ORDER q . <i>Journal of Algebraic Combinatorics</i> , 2002, 16, 21-30.	0.5	5
48	RELATION GENERALIZED QUADRANGLES FOR WHICH THE NUMBER OF LINES ON A POINT IS THE SUCCESSOR OF A PRIME. <i>Journal of the Australian Mathematical Society</i> , 2008, 85, 289.	0.3	5
49	Completing Segre's proof of Wedderburn's little theorem. <i>Bulletin of the London Mathematical Society</i> , 2015, 47, 483-492.	0.4	5
50	Subquadrangles of Generalized Quadrangles of Order $(q^2, \hat{A}q)$, q Even. <i>Journal of Combinatorial Theory - Series A</i> , 2001, 94, 218-229.	0.5	4
51	Some Flocks in Characteristic 3. <i>Journal of Combinatorial Theory - Series A</i> , 2001, 94, 387-392.	0.5	4
52	The Action of the Group $\langle \text{Aut}(G), \text{Aut}(G) \rangle$ Even, and Related Combinatorial Structures. <i>Journal of Combinatorial Designs</i> , 2013, 21, 81-88.	0.3	4
53	Two-Character Sets Arising from Gluing of Orbits. <i>Graphs and Combinatorics</i> , 2013, 29, 399-406.	0.2	4
54	On Monomial Flocks. <i>European Journal of Combinatorics</i> , 2001, 22, 447-454.	0.5	3

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55	Symmetries of BLT-Sets. <i>Designs, Codes, and Cryptography</i> , 2003, 29, 41-50.	1.0	3
56	Construction of BLT-sets over small fields. <i>European Journal of Combinatorics</i> , 2004, 25, 1-22.	0.5	3
57	Segre's hemisystem and McLaughlin's graph. <i>Journal of Combinatorial Theory - Series A</i> , 2008, 115, 686-692.	0.5	3
58	Subquadrangle m -regular systems on generalized quadrangles. <i>Journal of Combinatorial Designs</i> , 2011, 19, 28-41.	0.3	3
59	Uniqueness of the inversive plane of order sixty-four. <i>Designs, Codes, and Cryptography</i> , 2022, 90, 827-834.	1.0	3
60	Spreads of $T_2(o)$, \hat{A} -flocks and Ovals. <i>Designs, Codes, and Cryptography</i> , 2004, 31, 251-282.	1.0	2
61	Relative symplectic subquadrangle hemisystems of the Hermitian surface. <i>Designs, Codes, and Cryptography</i> , 2014, 72, 211-217.	1.0	1
62	On collineation groups of finite projective spaces containing a Singer cycle. <i>Journal of Geometry</i> , 2016, 107, 617-626.	0.1	1
63	The classification of spreads of $T_2(?)$ and \hat{I}_{\pm} -flocks over small fields. <i>Innovations in Incidence Geometry</i> , 2008, 6, 111-126.	0.1	1
64	Classification of flocks of the quadratic cone in $PG(3,64)$. <i>Finite Fields and Their Applications</i> , 2022, 81, 102035.	0.6	1
65	Hyperplane sections of polar spaces. <i>Journal of Geometry</i> , 1992, 43, 129-131.	0.1	0
66	Triads, Flocks of Conics and $Q^-(5,q)$. <i>Designs, Codes, and Cryptography</i> , 1999, 18, 63-70.	1.0	0
67	Planes in which every quadrangle lies on a unique Baer subplane. <i>Designs, Codes, and Cryptography</i> , 2012, 65, 157-161.	1.0	0
68	On transitive irreducible BLT-sets. <i>Discrete Mathematics</i> , 2013, 313, 1284-1288.	0.4	0
69	The three-cross theorem and the six-cross theorem of PÅlfy and SzabÅ ³ . <i>Algebra Universalis</i> , 2017, 78, 431-436.	0.2	0
70	Variations on a Theme of Glauberman. <i>Results in Mathematics</i> , 2020, 75, 1.	0.4	0
71	Relation between o -equivalence and EA-equivalence for Niho bent functions. <i>Finite Fields and Their Applications</i> , 2021, 72, 101834.	0.6	0
72	Some new two-weight ternary and quinary codes of lengths six and twelve. <i>Advances in Mathematics of Communications</i> , 2016, 10, 847-850.	0.4	0