

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 | Uniqueness of the inversive plane of order sixty-four. <i>Designs, Codes, and Cryptography</i> , 2022, 90, 827-834. | 1.0 | 3 |
| 2 | Classification of flocks of the quadratic cone in $PG(3,64)$. <i>Finite Fields and Their Applications</i> , 2022, 81, 102035. | 0.6 | 1 |
| 3 | Relation between o -equivalence and EA-equivalence for Niho bent functions. <i>Finite Fields and Their Applications</i> , 2021, 72, 101834. | 0.6 | 0 |
| 4 | Variations on a Theme of Glauber. <i>Results in Mathematics</i> , 2020, 75, 1. | 0.4 | 0 |
| 5 | Derivation of Cameron's Liebler line classes. <i>Designs, Codes, and Cryptography</i> , 2018, 86, 231-236. | 1.0 | 13 |
| 6 | The three-cross theorem and the six-cross theorem of Pálfy and Szabó. <i>Algebra Universalis</i> , 2017, 78, 431-436. | 0.2 | 0 |
| 7 | On collineation groups of finite projective spaces containing a Singer cycle. <i>Journal of Geometry</i> , 2016, 107, 617-626. | 0.1 | 1 |
| 8 | 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 |
| 9 | Completing Segre's proof of Wedderburn's little theorem. <i>Bulletin of the London Mathematical Society</i> , 2015, 47, 483-492. | 0.4 | 5 |
| 10 | Relative symplectic subquadrangle hemisystems of the Hermitian surface. <i>Designs, Codes, and Cryptography</i> , 2014, 72, 211-217. | 1.0 | 1 |
| 11 | The Action of the Group, Q -Even, and Related Combinatorial Structures. <i>Journal of Combinatorial Designs</i> , 2013, 21, 81-88. | 0.3 | 4 |
| 12 | Two-Character Sets Arising from Gluings of Orbits. <i>Graphs and Combinatorics</i> , 2013, 29, 399-406. | 0.2 | 4 |
| 13 | On transitive irreducible BLT-sets. <i>Discrete Mathematics</i> , 2013, 313, 1284-1288. | 0.4 | 0 |
| 14 | Extending pseudo-arcs in odd characteristic. <i>Finite Fields and Their Applications</i> , 2013, 22, 101-113. | 0.6 | 7 |
| 15 | Planes in which every quadrangle lies on a unique Baer subplane. <i>Designs, Codes, and Cryptography</i> , 2012, 65, 157-161. | 1.0 | 0 |
| 16 | Subquadrangle m -regular systems on generalized quadrangles. <i>Journal of Combinatorial Designs</i> , 2011, 19, 28-41. | 0.3 | 3 |
| 17 | New families of Q -polynomial association schemes. <i>Journal of Combinatorial Theory - Series A</i> , 2011, 118, 502-509. | 0.5 | 21 |
| 18 | A classification of transitive ovoids, spreads, and m -systems of polar spaces. <i>Forum Mathematicum</i> , 2009, 21, . | 0.3 | 9 |

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|----|---|-----|-----------|
| 19 | Tight sets and m-ovoids of generalised quadrangles. <i>Combinatorica</i> , 2009, 29, 1-17. | 0.6 | 36 |
| 20 | On m-regular systems on $\hat{A}_s(5, q, 2)$. <i>Journal of Algebraic Combinatorics</i> , 2009, 29, 437-445. | 0.4 | 6 |
| 21 | The geometry of some two-character sets. <i>Designs, Codes, and Cryptography</i> , 2008, 46, 231-241. | 1.0 | 8 |
| 22 | Segre's hemisystem and McLaughlin's graph. <i>Journal of Combinatorial Theory - Series A</i> , 2008, 115, 686-692. | 0.5 | 3 |
| 23 | Overgroups of Cyclic Sylow Subgroups of Linear Groups. <i>Communications in Algebra</i> , 2008, 36, 2503-2543. | 0.3 | 16 |
| 24 | 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 |
| 25 | The classification of spreads of $T_2(?)$ and \hat{A}_s -flocks over small fields. <i>Innovations in Incidence Geometry</i> , 2008, 6, 111-126. | 0.1 | 1 |
| 26 | Tight sets and m-ovoids of finite polar spaces. <i>Journal of Combinatorial Theory - Series A</i> , 2007, 114, 1293-1314. | 0.5 | 56 |
| 27 | Generalized quadrangles and tetradsic sets of elliptic quadrics of $PG(3, q)$. <i>Journal of Algebraic Combinatorics</i> , 2007, 26, 1-14. | 0.5 | 5 |
| 28 | Cameron-Liebler line classes in $PG(3, 4)$. <i>Bulletin of the Belgian Mathematical Society - Simon Stevin</i> , 2006, 12, . | 0.1 | 16 |
| 29 | Hyperbolic Fibrations and q-Clans. <i>Designs, Codes, and Cryptography</i> , 2005, 34, 295-305. | 1.0 | 14 |
| 30 | HEMISYSTEMS ON THE HERMITIAN SURFACE. <i>Journal of the London Mathematical Society</i> , 2005, 72, 731-741. | 0.5 | 55 |
| 31 | Spreads of $T_2(o)$, \hat{A}_s -flocks and Ovals. <i>Designs, Codes, and Cryptography</i> , 2004, 31, 251-282. | 1.0 | 2 |
| 32 | Symplectic Spreads. <i>Designs, Codes, and Cryptography</i> , 2004, 32, 9-14. | 1.0 | 6 |
| 33 | Construction of BLT-sets over small fields. <i>European Journal of Combinatorics</i> , 2004, 25, 1-22. | 0.5 | 3 |
| 34 | Some remarks on flocks. <i>Journal of the Australian Mathematical Society</i> , 2004, 76, 329-344. | 0.3 | 9 |
| 35 | Symmetries of BLT-Sets. <i>Designs, Codes, and Cryptography</i> , 2003, 29, 41-50. | 1.0 | 3 |
| 36 | Configurations of ovals. <i>Journal of Geometry</i> , 2003, 76, 233-255. | 0.1 | 11 |

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|----|--|-----|-----------|
| 37 | 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 |
| 38 | A unified construction of finite geometries associated with q-clans in characteristic 2. <i>Advances in Geometry</i> , 2003, 3, 1-21. | 0.2 | 17 |
| 39 | Automorphism Groups of Generalized Quadrangles via an Unusual Action of $P\Gamma L(2, 2Sph)$. <i>European Journal of Combinatorics</i> , 2002, 23, 213-232. | 0.5 | 8 |
| 40 | Flocks and Partial Flocks of Hyperbolic Quadrics via Root Systems. <i>Journal of Algebraic Combinatorics</i> , 2002, 16, 21-30. | 0.4 | 5 |
| 41 | On Monomial Flocks. <i>European Journal of Combinatorics</i> , 2001, 22, 447-454. | 0.5 | 3 |
| 42 | 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 |
| 43 | Groups of Maximal Arcs. <i>Journal of Combinatorial Theory - Series A</i> , 2001, 94, 63-86. | 0.5 | 16 |
| 44 | Some Flocks in Characteristic 3. <i>Journal of Combinatorial Theory - Series A</i> , 2001, 94, 387-392. | 0.5 | 4 |
| 45 | Sets of Type (a, b) From Subgroups of $\tilde{L}(1, pR)$. <i>Journal of Algebraic Combinatorics</i> , 2001, 13, 67-76. | 0.4 | 14 |
| 46 | Characterisations of Flock Quadrangles. <i>Geometriae Dedicata</i> , 2000, 82, 171-191. | 0.1 | 6 |
| 47 | Ovoids of Parabolic Spaces. <i>Geometriae Dedicata</i> , 2000, 82, 1-19. | 0.1 | 59 |
| 48 | Linear Groups with Orders Having Certain Large Prime Divisors. <i>Proceedings of the London Mathematical Society</i> , 1999, 78, 167-214. | 0.6 | 83 |
| 49 | Triads, Flocks of Conics and $Q^-(5, q)$. <i>Designs, Codes, and Cryptography</i> , 1999, 18, 63-70. | 1.0 | 0 |
| 50 | Monomial Flocks and Herds Containing a Monomial Oval. <i>Journal of Combinatorial Theory - Series A</i> , 1998, 83, 21-41. | 0.5 | 7 |
| 51 | Ovoids and Translation Ovals. <i>Journal of the London Mathematical Society</i> , 1997, 56, 607-624. | 0.5 | 21 |
| 52 | Hyperovals in the known projective planes of order 16. <i>Journal of Combinatorial Designs</i> , 1996, 4, 59-65. | 0.3 | 28 |
| 53 | Characterizations of Buekenhout-Metz unitals. <i>Geometriae Dedicata</i> , 1996, 59, 29. | 0.1 | 21 |
| 54 | Ovoids and monomial ovals. <i>Geometriae Dedicata</i> , 1996, 59, 223. | 0.1 | 5 |

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|----|--|-----|-----------|
| 55 | Ovoids with a pencil of translation ovals. <i>Geometriae Dedicata</i> , 1996, 62, 19. | 0.1 | 8 |
| 56 | Sets of type (m, n) in the affine and projective planes of order nine. <i>Designs, Codes, and Cryptography</i> , 1995, 6, 229-245. | 1.0 | 49 |
| 57 | On hyperovals in small projective planes. <i>Journal of Geometry</i> , 1995, 54, 91-104. | 0.1 | 18 |
| 58 | Isomorphisms between Subiaco $\{q^2\}$ -clan geometries. <i>Bulletin of the Belgian Mathematical Society - Simon Stevin</i> , 1995, 2, . | 0.1 | 13 |
| 59 | Symmetries of arcs. <i>Journal of Combinatorial Theory - Series A</i> , 1994, 66, 53-67. | 0.5 | 12 |
| 60 | Classification of ovoids in $PG(3, 32)$. <i>Journal of Geometry</i> , 1994, 50, 143-150. | 0.1 | 30 |
| 61 | Classification of hyperovals in $PG(2,32)$. <i>Journal of Geometry</i> , 1994, 50, 151-158. | 0.1 | 22 |
| 62 | A characterisation of the maximal arcs in translation planes of square order. <i>Journal of Geometry</i> , 1994, 51, 60-66. | 0.1 | 6 |
| 63 | Irregular hyperovals in $PG(2, 64)$. <i>Journal of Geometry</i> , 1994, 51, 89-100. | 0.1 | 22 |
| 64 | Block-transitive, point-imprimitive designs with $\hat{\lambda} = 1$. <i>Discrete Mathematics</i> , 1993, 115, 231-244. | 0.4 | 18 |
| 65 | The block-transitive, point-imprimitive $2-(729, 8, 1)$ designs. <i>Applicable Algebra in Engineering, Communications and Computing</i> , 1992, 3, 47-61. | 0.3 | 15 |
| 66 | A new hyperoval in $PG(2, 32)$. <i>Journal of Geometry</i> , 1992, 44, 117-139. | 0.1 | 23 |
| 67 | Ovoids of $PG(3, 16)$ are elliptic quadrics, II. <i>Journal of Geometry</i> , 1992, 44, 140-159. | 0.1 | 39 |
| 68 | Hyperplane sections of polar spaces. <i>Journal of Geometry</i> , 1992, 43, 129-131. | 0.1 | 0 |
| 69 | Hyperovals in $PG(2,16)$. <i>European Journal of Combinatorics</i> , 1991, 12, 51-59. | 0.5 | 21 |
| 70 | Polynomials for hyperovals of Desarguesian planes. <i>Journal of the Australian Mathematical Society Series A Pure Mathematics and Statistics</i> , 1991, 51, 436-447. | 0.3 | 11 |
| 71 | Cameron-Liebler line classes in $PG(3,q)$. <i>Geometriae Dedicata</i> , 1991, 37, 245. | 0.1 | 27 |
| 72 | Ovoids of $PG(3, 16)$ are elliptic quadrics. <i>Journal of Geometry</i> , 1990, 38, 95-106. | 0.1 | 32 |