

Klaus Metsch

List of Publications by Year in descending order

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46
papers

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47
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#	ARTICLE	IF	CITATIONS
1	Improvement of Bruck's completion theorem. <i>Designs, Codes, and Cryptography</i> , 1991, 1, 99-116.	1.6	28
2	A modular equality for Cameron's Liebler line classes. <i>Journal of Combinatorial Theory - Series A</i> , 2014, 127, 224-242.	0.8	23
3	A new family of tight sets in $\mathbb{Q}^+(5, q)$. <i>Designs, Codes, and Cryptography</i> , 2016, 78, 655-678.	1.6	22
4	An improved bound on the existence of Cameron's Liebler line classes. <i>Journal of Combinatorial Theory - Series A</i> , 2014, 121, 89-93.	0.8	20
5	The non-existence of Cameron's Liebler line classes with parameter $2 < \lambda \leq q$. <i>Bulletin of the London Mathematical Society</i> , 2010, 42, 991-996.	0.8	18
6	Small maximal partial spreads in classical finite polar spaces. <i>Advances in Geometry</i> , 2010, 10, 379-402.	0.4	15
7	Blocking sets in projective spaces and polar spaces. <i>Journal of Geometry</i> , 2003, 76, 216-232.	0.4	14
8	Bose's Burton Type Theorems for Finite Projective, Affine and Polar Spaces. , 1999, , 137-166.		12
9	On the maximum size of Erdős-Ko-Rado sets in $H(2d+1, q^2)$. <i>Designs, Codes, and Cryptography</i> , 2014, 72, 311-316.	1.6	10
10	Small Point Sets that Meet All Generators of $W(2n+1, q)$. <i>Designs, Codes, and Cryptography</i> , 2004, 31, 283-288.	1.6	9
11	A gap result for Cameron's Liebler k -classes. <i>Discrete Mathematics</i> , 2017, 340, 1311-1318.	0.7	9
12	Embedding theorems for locally projective three-dimensional linear spaces. <i>Discrete Mathematics</i> , 1997, 174, 227-245.	0.7	7
13	On blocking sets of quadrics. <i>Journal of Geometry</i> , 2000, 67, 188-207.	0.4	7
14	Small point sets that meet all generators of $Q(2n, p)$, $p > 3$ prime. <i>Journal of Combinatorial Theory - Series A</i> , 2004, 106, 327-333.	0.8	7
15	A Bose-Burton Theorem for Elliptic Polar Spaces. <i>Designs, Codes, and Cryptography</i> , 1999, 17, 219-224.	1.6	5
16	A Bose-Burton type theorem for quadrics. <i>Journal of Combinatorial Designs</i> , 2003, 11, 317-338.	0.6	5
17	Parameters for which the Griesmer bound is not sharp. <i>Discrete Mathematics</i> , 2007, 307, 2695-2703.	0.7	5
18	How many s -subspaces must miss a point set in $PG(d, q)$. <i>Journal of Geometry</i> , 2007, 86, 154-164.	0.4	5

#	ARTICLE	IF	CITATIONS
19	An Erdős-Ko-Rado theorem for finite classical polar spaces. <i>Journal of Algebraic Combinatorics</i> , 2016, 43, 375-397.	0.8	5
20	Small tight sets in finite elliptic, parabolic and Hermitian polar spaces. <i>Combinatorica</i> , 2016, 36, 725-744.	1.2	5
21	Large $\{0,1,\infty,t\}$ -cliques in dual polar graphs. <i>Journal of Combinatorial Theory - Series A</i> , 2018, 154, 285-322.	0.8	5
22	Blocking Structures of Hermitian Varieties. <i>Designs, Codes, and Cryptography</i> , 2005, 34, 339-360.	1.6	4
23	On the maximality of a set of mutually orthogonal Sudoku Latin Squares. <i>Designs, Codes, and Cryptography</i> , 2017, 84, 143-152.	1.6	4
24	Maximal cocliques in the Kneser graph on plane-solid flags in $PG(6,q)$. <i>Innovations in Incidence Geometry</i> , 2020, 18, 39-55.	0.1	4
25	A remark on the uniqueness of embeddings of linear spaces into desarguesian projective planes. <i>Journal of Combinatorial Designs</i> , 1995, 3, 293-297.	0.6	3
26	Twisted derivations and distinct sets of lines that cover the same pairs of points. <i>Geometriae Dedicata</i> , 1995, 54, 171-197.	0.3	3
27	Blocking Subspaces By Lines In $PG(n, q)$. <i>Combinatorica</i> , 2004, 24, 459.	1.2	3
28	Small point sets of $PG(n, p^3h)$ intersecting each line in $1 \pmod{p^3h}$ points. <i>Journal of Geometry</i> , 2010, 98, 59-78.	0.4	3
29	Small point sets of $PG(n, q^3)$ intersecting each k -subspace in $1 \pmod{q^3}$ points. <i>Designs, Codes, and Cryptography</i> , 2010, 56, 235-248.	1.6	3
30	An EKR-theorem for finite buildings of type D_{ℓ} . <i>Journal of Algebraic Combinatorics</i> , 2018, 47, 529-541.	0.8	3
31	An Erdős-Ko-Rado result for sets of pairwise non-opposite lines in finite classical polar spaces. <i>Forum Mathematicum</i> , 2019, 31, 491-502.	0.7	3
32	On the Smallest Non-Trivial Tight Sets in Hermitian Polar Spaces. <i>Electronic Journal of Combinatorics</i> , 2017, 24, .	0.4	3
33	An algebraic approach to Erdős-Ko-Rado sets of flags in spherical buildings. <i>Journal of Combinatorial Theory - Series A</i> , 2022, 192, 105657.	0.8	3
34	Embedding Locally Projective Planar Spaces Into Projective Spaces. <i>Annals of Discrete Mathematics</i> , 1988, , 293-295.	1.4	2
35	A generalization of a result of Dembowski and Wagner. <i>Designs, Codes, and Cryptography</i> , 2011, 60, 277-282.	1.6	2
36	Remarks on polarity designs. <i>Designs, Codes, and Cryptography</i> , 2014, 72, 7-19.	1.6	2

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37	An Erdős-Ko-Rado theorem for finite buildings of type F4. Israel Journal of Mathematics, 2019, 230, 813-830.	0.8	2
38	A note on Erdős-Ko-Rado sets of generators in Hermitian polar spaces. Advances in Mathematics of Communications, 2016, 10, 541-545.	0.7	2
39	On the chromatic number of two generalized Kneser graphs. European Journal of Combinatorics, 2022, 101, 103474.	0.8	2
40	How many lines must miss points in a linear space. Journal of Combinatorial Designs, 2006, 14, 441-450.	0.6	1
41	Substructures in finite classical polar spaces. Journal of Geometry, 2011, 101, 185-193.	0.4	1
42	On intriguing sets of the Penttila-Williford association scheme. Linear Algebra and Its Applications, 2019, 582, 327-345.	0.9	1
43	On the smallest non-trivial tight sets in Hermitian polar spaces $H(d, q^2)$, d even. Discrete Mathematics, 2019, 342, 1336-1342.	0.7	1
44	On a question of Thas on partial 3 - $\{q^{\sup} n\}$ - $\{q^{\sup} n, q^{\sup} n+1, 1\}$ designs. Journal of Combinatorial Designs, 2020, 28, 25-32.	0.6	1
45	Erdős-Ko-Rado sets of flags of finite sets. Journal of Combinatorial Theory - Series A, 2022, 191, 105641.	0.8	1
46	The characterization problem for designs with the parameters of $AG_d(n, q)$. Combinatorica, 2016, 36, 513-535.	1.2	0