

Edwin R Van Dam

List of Publications by Year in descending order

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82
papers

2,240
citations

279487

23
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243296

44
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86
all docs

86
docs citations

86
times ranked

928
citing authors

#	ARTICLE	IF	CITATIONS
1	Which graphs are determined by their spectrum?. <i>Linear Algebra and Its Applications</i> , 2003, 373, 241-272.	0.4	479
2	Developments on spectral characterizations of graphs. <i>Discrete Mathematics</i> , 2009, 309, 576-586.	0.4	183
3	Maximin Latin Hypercube Designs in Two Dimensions. <i>Operations Research</i> , 2007, 55, 158-169.	1.2	147
4	Space-filling Latin hypercube designs for computer experiments. <i>Optimization and Engineering</i> , 2011, 12, 611-630.	1.3	126
5	Regular graphs with four eigenvalues. <i>Linear Algebra and Its Applications</i> , 1995, 226-228, 139-162.	0.4	72
6	Three-Class Association Schemes. <i>Journal of Algebraic Combinatorics</i> , 1999, 10, 69-107.	0.4	64
7	Nonregular Graphs with Three Eigenvalues. <i>Journal of Combinatorial Theory Series B</i> , 1998, 73, 101-118.	0.6	63
8	Distance-Regular Graphs. <i>Electronic Journal of Combinatorics</i> , 0, 1000, .	0.2	59
9	The minimal spectral radius of graphs with a given diameter. <i>Linear Algebra and Its Applications</i> , 2007, 423, 408-419.	0.4	56
10	Small regular graphs with four eigenvalues. <i>Discrete Mathematics</i> , 1998, 189, 233-257.	0.4	53
11	Graphs with constant $\hat{1}/4$ and $\hat{1}/4$. <i>Discrete Mathematics</i> , 1998, 182, 293-307.	0.4	47
12	A new family of distance-regular graphs with unbounded diameter. <i>Inventiones Mathematicae</i> , 2005, 162, 189-193.	1.3	45
13	Nested maximin Latin hypercube designs. <i>Structural and Multidisciplinary Optimization</i> , 2010, 41, 371-395.	1.7	45
14	Enhancement of Sandwich Algorithms for Approximating Higher-Dimensional Convex Pareto Sets. <i>INFORMS Journal on Computing</i> , 2011, 23, 493-517.	1.0	37
15	Characterizing distance-regularity of graphs by the spectrum. <i>Journal of Combinatorial Theory - Series A</i> , 2006, 113, 1805-1820.	0.5	36
16	Combinatorial designs with two singular values II. Partial geometric designs. <i>Linear Algebra and Its Applications</i> , 2005, 396, 303-316.	0.4	34
17	Strongly Regular Decompositions of the Complete Graph. <i>Journal of Algebraic Combinatorics</i> , 2003, 17, 181-201.	0.4	32
18	Bounds for Maximin Latin Hypercube Designs. <i>Operations Research</i> , 2009, 57, 595-608.	1.2	32

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19	On almost distance-regular graphs. <i>Journal of Combinatorial Theory - Series A</i> , 2011, 118, 1094-1113.	0.5	32
20	Spectral Characterizations of Some Distance-Regular Graphs. <i>Journal of Algebraic Combinatorics</i> , 2002, 15, 189-202.	0.4	28
21	The Spectral Excess Theorem for Distance-Regular Graphs: A Global (Over)view. <i>Electronic Journal of Combinatorics</i> , 2008, 15, .	0.2	26
22	Eigenvalues and the diameter of graphs. <i>Linear and Multilinear Algebra</i> , 1995, 39, 33-44.	0.5	25
23	Cospectral graphs and the generalized adjacency matrix. <i>Linear Algebra and Its Applications</i> , 2007, 423, 33-41.	0.4	25
24	One-dimensional nested maximin designs. <i>Journal of Global Optimization</i> , 2010, 46, 287-306.	1.1	25
25	Graphs with given diameter maximizing the spectral radius. <i>Linear Algebra and Its Applications</i> , 2007, 426, 454-457.	0.4	24
26	Some implications on amorphic association schemes. <i>Journal of Combinatorial Theory - Series A</i> , 2010, 117, 111-127.	0.5	24
27	Uniformity in association schemes and coherent configurations: Cometric Q-antipodal schemes and linked systems. <i>Journal of Combinatorial Theory - Series A</i> , 2013, 120, 1401-1439.	0.5	24
28	Codes, graphs, and schemes from nonlinear functions. <i>European Journal of Combinatorics</i> , 2003, 24, 85-98.	0.5	22
29	Combinatorial designs with two singular values $\epsilon^{\pm}l$: uniform multiplicative designs. <i>Journal of Combinatorial Theory - Series A</i> , 2004, 107, 127-142.	0.5	20
30	Asymptotic results on the spectral radius and the diameter of graphs. <i>Linear Algebra and Its Applications</i> , 2010, 432, 722-737.	0.4	20
31	Graphs whose normalized Laplacian has three eigenvalues. <i>Linear Algebra and Its Applications</i> , 2011, 435, 2560-2569.	0.4	18
32	A Nonregular Analogue of Conference Graphs. <i>Journal of Combinatorial Theory - Series A</i> , 1999, 88, 194-204.	0.5	17
33	A Characterization of Distance-Regular Graphs with Diameter Three. <i>Journal of Algebraic Combinatorics</i> , 1997, 6, 299-303.	0.4	15
34	Spectral characterization of the Hamming graphs. <i>Linear Algebra and Its Applications</i> , 2008, 429, 2678-2686.	0.4	15
35	New bounds for the max-k-cut and chromatic number of a graph. <i>Linear Algebra and Its Applications</i> , 2016, 488, 216-234.	0.4	15
36	A Characterization of Association Schemes from Affine Spaces. <i>Designs, Codes, and Cryptography</i> , 2000, 21, 83-86.	1.0	13

#	ARTICLE	IF	CITATIONS
37	Uniformly Packed Codes and More Distance Regular Graphs from Crooked Functions. Journal of Algebraic Combinatorics, 2000, 12, 115-121.	0.4	13
38	Two-dimensional minimax Latin hypercube designs. Discrete Applied Mathematics, 2008, 156, 3483-3493.	0.5	13
39	Bounds on Special Subsets in Graphs, Eigenvalues and Association Schemes. Journal of Algebraic Combinatorics, 1998, 7, 321-332.	0.4	12
40	The negative tetrahedron and the first infinite family of connected digraphs that are strongly determined by the Hermitian spectrum. Journal of Combinatorial Theory - Series A, 2020, 173, 105232.	0.5	12
41	A Cauchy-Khinchin matrix inequality. Linear Algebra and Its Applications, 1998, 280, 163-172.	0.4	10
42	Space-Filling Latin Hypercube Designs for Computer Experiments. SSRN Electronic Journal, 2008, , .	0.4	9
43	Semidefinite programming and eigenvalue bounds for the graph partition problem. Mathematical Programming, 2015, 151, 379-404.	1.6	9
44	Spectral fundamentals and characterizations of signed directed graphs. Journal of Combinatorial Theory - Series A, 2022, 187, 105573.	0.5	9
45	A lower bound for the spectral radius of graphs with fixed diameter. European Journal of Combinatorics, 2010, 31, 1560-1566.	0.5	8
46	Strongly walk-regular graphs. Journal of Combinatorial Theory - Series A, 2013, 120, 803-810.	0.5	8
47	Fissioned Triangular Schemes via the Cross-ratio. European Journal of Combinatorics, 2001, 22, 297-301.	0.5	7
48	An odd characterization of the generalized odd graphs. Journal of Combinatorial Theory Series B, 2011, 101, 486-489.	0.6	7
49	Geometric aspects of 2-walk-regular graphs. Linear Algebra and Its Applications, 2013, 439, 2692-2710.	0.4	7
50	Distance-regular Cayley graphs with least eigenvalue -2 . Designs, Codes, and Cryptography, 2017, 84, 73-85.	1.0	7
51	Enriching the tactical network design of express service carriers with fleet scheduling characteristics. Flexible Services and Manufacturing Journal, 2010, 22, 3-35.	1.9	6
52	Classification of spreads of $PG(3, 4)$ - $PG(3, 2)$. Designs, Codes, and Cryptography, 1993, 3, 193-198.	1.0	5
53	Fissions of Classical Self-Dual Association Schemes. Journal of Combinatorial Theory - Series A, 1999, 88, 167-175.	0.5	5
54	Cospectral Graphs and the Generalized Adjacency Matrix. SSRN Electronic Journal, 2006, , .	0.4	5

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55	On perturbations of almost distance-regular graphs. <i>Linear Algebra and Its Applications</i> , 2011, 435, 2626-2638.	0.4	5
56	Dual concepts of almost distance-regularity and the spectral excess theorem. <i>Discrete Mathematics</i> , 2012, 312, 2730-2734.	0.4	5
57	Regular graphs with maximal energy per vertex. <i>Journal of Combinatorial Theory Series B</i> , 2014, 107, 123-131.	0.6	5
58	On Bounding the Bandwidth of Graphs with Symmetry. <i>INFORMS Journal on Computing</i> , 2015, 27, 75-88.	1.0	5
59	Laplacian spectral characterization of roses. <i>Linear Algebra and Its Applications</i> , 2018, 536, 19-30.	0.4	5
60	Nested Maximin Latin Hypercube Designs in Two Dimensions. <i>SSRN Electronic Journal</i> , 0, , .	0.4	5
61	A Short Proof of the Odd-Girth Theorem. <i>Electronic Journal of Combinatorics</i> , 2012, 19, .	0.2	5
62	The Combinatorics of Dom de Caen. <i>Designs, Codes, and Cryptography</i> , 2005, 34, 137-148.	1.0	4
63	Nested Maximin Latin Hypercube Designs. <i>SSRN Electronic Journal</i> , 2009, , .	0.4	4
64	Some spectral and quasi-spectral characterizations of distance-regular graphs. <i>Journal of Combinatorial Theory - Series A</i> , 2016, 143, 1-18.	0.5	4
65	Distance-regular Cayley graphs with small valency. <i>Ars Mathematica Contemporanea</i> , 2019, 17, 203-222.	0.3	4
66	Unit gain graphs with two distinct eigenvalues and systems of lines in complex space. <i>Discrete Mathematics</i> , 2022, 345, 112827.	0.4	4
67	Equitable resolvable coverings. <i>Journal of Combinatorial Designs</i> , 2003, 11, 113-123.	0.3	3
68	Some Implications on Amorphic Association Schemes. <i>SSRN Electronic Journal</i> , 0, , .	0.4	3
69	The Laplacian spectral excess theorem for distance-regular graphs. <i>Linear Algebra and Its Applications</i> , 2014, 458, 245-250.	0.4	2
70	Partially metric association schemes with a multiplicity three. <i>Journal of Combinatorial Theory Series B</i> , 2018, 130, 19-48.	0.6	2
71	Spectral radius and clique partitions of graphs. <i>Linear Algebra and Its Applications</i> , 2021, 630, 84-94.	0.4	2
72	Combinatorial Designs with Two Singular Values II. <i>Partial Geometric Designs. SSRN Electronic Journal</i> , 0, , .	0.4	2

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73	One-dimensional Nested Maximin Designs. SSRN Electronic Journal, 0, , .	0.4	2
74	Developments on Spectral Characterizations of Graphs. SSRN Electronic Journal, 0, , .	0.4	1
75	Trees with a large Laplacian eigenvalue multiplicity. Linear Algebra and Its Applications, 2020, 586, 262-273.	0.4	1
76	An Odd Characterization of the Generalized Odd Graphs. SSRN Electronic Journal, 0, , .	0.4	1
77	Combinatorial Designs with Two Singular Values I. Uniform Multiplicative Designs. SSRN Electronic Journal, 0, , .	0.4	1
78	Uniformity in Association Schemes and Coherent Configurations: Cometric Q-Antipodal Schemes and Linked Systems. SSRN Electronic Journal, 0, , .	0.4	1
79	Special Issue in honor of Dragos Cvetkovič. Linear Algebra and Its Applications, 2010, 432, 2727.	0.4	0
80	Preface: Geometric and algebraic combinatorics. Designs, Codes, and Cryptography, 2012, 65, 1-3.	1.0	0
81	Preface to the special issue dedicated to Andries E. Brouwer. Designs, Codes, and Cryptography, 2017, 84, 1-2.	1.0	0
82	Directed strongly walk-regular graphs. Journal of Algebraic Combinatorics, 2018, 47, 623-639.	0.4	0