

Bryan Shader

List of Publications by Year in descending order

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92
papers

1,085
citations

516215

16
h-index

500791

28
g-index

97
all docs

97
docs citations

97
times ranked

398
citing authors

#	ARTICLE	IF	CITATIONS
1	Zero forcing parameters and minimum rank problems. <i>Linear Algebra and Its Applications</i> , 2010, 433, 401-411.	0.4	117
2	Parameters Related to Tree-Width, Zero Forcing, and Maximum Nullity of a Graph. <i>Journal of Graph Theory</i> , 2013, 72, 146-177.	0.5	76
3	Characteristic vertices of weighted trees via perron values. <i>Linear and Multilinear Algebra</i> , 1996, 40, 311-325.	0.5	67
4	On graphs with equal algebraic and vertex connectivity. <i>Linear Algebra and Its Applications</i> , 2002, 341, 45-56.	0.4	57
5	Distances in Weighted Trees and Group Inverse of Laplacian Matrices. <i>SIAM Journal on Matrix Analysis and Applications</i> , 1997, 18, 827-841.	0.7	45
6	An upper bound for the minimum rank of a graph. <i>Linear Algebra and Its Applications</i> , 2008, 429, 1629-1638.	0.4	39
7	Exponents of nonnegative matrix pairs. <i>Linear Algebra and Its Applications</i> , 2003, 363, 275-293.	0.4	34
8	On the minimum rank of not necessarily symmetric matrices: A preliminary study. <i>Electronic Journal of Linear Algebra</i> , 0, 18, .	0.6	34
9	Applications of Paz's inequality to perturbation bounds for Markov chains. <i>Linear Algebra and Its Applications</i> , 1998, 268, 183-196.	0.4	31
10	Biclique decompositions and Hermitian rank. <i>Linear Algebra and Its Applications</i> , 1999, 292, 267-280.	0.4	29
11	Pick's inequality and tournaments. <i>Linear Algebra and Its Applications</i> , 1993, 186, 15-36.	0.4	23
12	Exponents of tuples of nonnegative matrices. <i>Linear Algebra and Its Applications</i> , 2002, 356, 123-134.	0.4	23
13	Spectrally arbitrary patterns: Reducibility and the $2n$ conjecture for $n=5$. <i>Linear Algebra and Its Applications</i> , 2007, 423, 262-276.	0.4	23
14	On Fiedler- and Parter-vertices of acyclic matrices. <i>Linear Algebra and Its Applications</i> , 2008, 428, 2601-2613.	0.4	23
15	Multicolored forests in bipartite decompositions of graphs. <i>Journal of Combinatorial Theory Series B</i> , 1991, 53, 143-148.	0.6	19
16	Rectangular L-matrices. <i>Linear Algebra and Its Applications</i> , 1994, 196, 37-61.	0.4	19
17	Extremal properties of ray-nonsingular matrices. <i>Discrete Mathematics</i> , 2000, 216, 221-233.	0.4	19
18	Construction of matrices with a given graph and prescribed interlaced spectral data. <i>Linear Algebra and Its Applications</i> , 2013, 438, 4348-4358.	0.4	19

#	ARTICLE	IF	CITATIONS
19	Generating potentially nilpotent full sign patterns. <i>Electronic Journal of Linear Algebra</i> , 0, 18, .	0.6	18
20	Tournament matrices with extremal spectral properties. <i>Linear Algebra and Its Applications</i> , 1994, 196, 1-17.	0.4	17
21	Non-singular acyclic matrices. <i>Linear and Multilinear Algebra</i> , 2009, 57, 399-407.	0.5	17
22	Least Squares Sign-Solvability. <i>SIAM Journal on Matrix Analysis and Applications</i> , 1995, 16, 1056-1073.	0.7	15
23	Smith Normal Form and acyclic matrices. <i>Journal of Algebraic Combinatorics</i> , 2009, 29, 63-80.	0.4	15
24	Expected values of parameters associated with the minimum rank of a graph. <i>Linear Algebra and Its Applications</i> , 2010, 433, 101-117.	0.4	15
25	On determining minimal spectrally arbitrary patterns. <i>Electronic Journal of Linear Algebra</i> , 0, 13, .	0.6	15
26	Companion matrix patterns. <i>Linear Algebra and Its Applications</i> , 2014, 463, 255-272.	0.4	14
27	The inverse eigenvalue problem of a graph: Multiplicities and minors. <i>Journal of Combinatorial Theory Series B</i> , 2020, 142, 276-306.	0.6	14
28	The nilpotent-centralizer method for spectrally arbitrary patterns. <i>Linear Algebra and Its Applications</i> , 2013, 438, 3836-3850.	0.4	13
29	Bipartite Graphs and Inverse Sign Patterns of Strong Sign-Nonsingular Matrices. <i>Journal of Combinatorial Theory Series B</i> , 1994, 62, 133-150.	0.6	12
30	A Construction for (t,m,s) -nets in Base q . <i>SIAM Journal on Discrete Mathematics</i> , 1997, 10, 460-468.	0.4	11
31	Irreducible, pattern k -potent ray pattern matrices. <i>Linear Algebra and Its Applications</i> , 2002, 346, 261-271.	0.4	11
32	Sparse orthogonal matrices and the Haar wavelet. <i>Discrete Applied Mathematics</i> , 2000, 101, 63-76.	0.5	10
33	Strong Hall Matrices. <i>SIAM Journal on Matrix Analysis and Applications</i> , 1994, 15, 359-365.	0.7	9
34	Rank comparisons. <i>Linear Algebra and Its Applications</i> , 1995, 221, 171-188.	0.4	9
35	Conditional sign-solvability. <i>Mathematical and Computer Modelling</i> , 1993, 17, 141-148.	2.0	8
36	Minimum permanents on special faces of the polytope of doubly stochastic matrices. <i>Linear Algebra and Its Applications</i> , 1994, 201, 103-111.	0.4	8

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37	On almost regular tournament matrices. <i>Linear Algebra and Its Applications</i> , 2000, 306, 103-121.	0.4	8
38	On matrices which have signed null-spaces. <i>Linear Algebra and Its Applications</i> , 2002, 353, 245-255.	0.4	8
39	Classes of graphs with minimum skew rank 4. <i>Linear Algebra and Its Applications</i> , 2013, 439, 3643-3657.	0.4	8
40	How Sparse Can a Matrix with Orthogonal Rows Be?. <i>Journal of Combinatorial Theory - Series A</i> , 1999, 85, 29-40.	0.5	7
41	Acyclic matrices with a small number of distinct eigenvalues. <i>Linear Algebra and Its Applications</i> , 2013, 438, 4075-4089.	0.4	7
42	On biclique decompositions of complete t-partite graphs. <i>Linear Algebra and Its Applications</i> , 1995, 217, 31-40.	0.4	6
43	On graphs of minimum skew rank 4. <i>Linear and Multilinear Algebra</i> , 2016, 64, 279-289.	0.5	6
44	Sign-consistency and solvability of constrained linear systems. <i>Electronic Journal of Linear Algebra</i> , 0, 4, .	0.6	6
45	Integrally normalizable matrices and zero/nonzero patterns. <i>Linear Algebra and Its Applications</i> , 2014, 449, 132-153.	0.4	5
46	Nearly positive matrices. <i>Linear Algebra and Its Applications</i> , 2014, 449, 520-544.	0.4	5
47	Maximal P-sets of matrices whose graph is a tree. <i>Linear Algebra and Its Applications</i> , 2015, 485, 485-502.	0.4	5
48	On the maximum skew spectral radius and minimum skew energy of tournaments. <i>Linear and Multilinear Algebra</i> , 2018, 66, 1434-1441.	0.5	5
49	Non-existence of 5X5 full ray nonsingular matrices. <i>Electronic Journal of Linear Algebra</i> , 0, 11, .	0.6	5
50	CLASSIFICATION OF TREES EACH OF WHOSE ASSOCIATED ACYCLIC MATRICES WITH DISTINCT DIAGONAL ENTRIES HAS DISTINCT EIGENVALUES. <i>Bulletin of the Korean Mathematical Society</i> , 2008, 45, 95-99.	0.3	5
51	Tight bounds on the algebraic connectivity of a balanced binary tree. <i>Electronic Journal of Linear Algebra</i> , 0, 6, .	0.6	5
52	Sparse orthogonal matrices. <i>Linear Algebra and Its Applications</i> , 2003, 373, 211-222.	0.4	4
53	$(\hat{A} \pm 1)$ -Invariant sequences and truncated Fibonacci sequences. <i>Linear Algebra and Its Applications</i> , 2005, 395, 303-312.	0.4	4
54	Fastest mixing Markov chain problem for the union of two cliques. <i>Linear and Multilinear Algebra</i> , 2011, 59, 801-823.	0.5	4

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55	Unordered multiplicity lists of a class of binary trees. <i>Linear Algebra and Its Applications</i> , 2013, 438, 3781-3788.	0.4	4
56	Characterization of a family of generalized companion matrices. <i>Linear Algebra and Its Applications</i> , 2016, 498, 360-365.	0.4	4
57	On biclique partitions of the complete graph. <i>Discrete Mathematics</i> , 1993, 117, 197-213.	0.4	3
58	On multipartite tournament matrices with constant team size $\hat{=}$. <i>Linear and Multilinear Algebra</i> , 1993, 35, 49-63.	0.5	3
59	Rank decompositions and signed bigraphs. <i>Linear and Multilinear Algebra</i> , 1996, 40, 283-301.	0.5	3
60	Sparsity of orthogonal matrices with restrictions. <i>Linear Algebra and Its Applications</i> , 2000, 306, 33-44.	0.4	3
61	Score certificate numbers of upset tournaments. <i>Discrete Applied Mathematics</i> , 2000, 103, 177-189.	0.5	3
62	All pairs suffice for a P-set. <i>Linear Algebra and Its Applications</i> , 2015, 475, 114-118.	0.4	3
63	Spectrally arbitrary pattern extensions. <i>Linear Algebra and Its Applications</i> , 2017, 517, 120-128.	0.4	3
64	Cutsets in bipartite graphs*. <i>Linear and Multilinear Algebra</i> , 1993, 34, 51-54.	0.5	2
65	Scheduling Conflict-free Parties for a Dating Service. <i>American Mathematical Monthly</i> , 1997, 104, 99-106.	0.2	2
66	Properties of Tournaments Among Well-Matched Players. <i>American Mathematical Monthly</i> , 2000, 107, 881-892.	0.2	2
67	Sign-Solvable Cone-Systems. <i>Linear and Multilinear Algebra</i> , 2002, 50, 23-32.	0.5	2
68	Maximum generic nullity of a graph. <i>Linear Algebra and Its Applications</i> , 2010, 432, 857-866.	0.4	2
69	Sign patterns of orthogonal matrices and the strong inner product property. <i>Linear Algebra and Its Applications</i> , 2020, 592, 228-259.	0.4	2
70	Properties of Tournaments among Well-Matched Players. <i>American Mathematical Monthly</i> , 2000, 107, 881.	0.2	2
71	Matrix factorizations of determinants and permanents. <i>Journal of Combinatorial Theory - Series A</i> , 1990, 54, 132-134.	0.5	1
72	Matrices of 0's and 1's with restricted permanental minors. <i>Discrete Mathematics</i> , 1991, 96, 161-174.	0.4	1

#	ARTICLE	IF	CITATIONS
91	Preface special volume on the Conference on Graph Theory, Matrix Theory and Interactions. Electronic Journal of Linear Algebra, 0, 28, .	0.6	0
92	Riordan-Krylov matrices over an algebra. Linear Algebra and Its Applications, 2022, 636, 93-114.	0.4	0