

Yi-Zheng Fan

List of Publications by Year in descending order

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65
papers

912
citations

471061

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552369

26
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65
all docs

65
docs citations

65
times ranked

263
citing authors

#	ARTICLE	IF	CITATIONS
1	On the nullity of bipartite graphs. <i>Linear Algebra and Its Applications</i> , 2009, 430, 2943-2949.	0.4	57
2	Minimizing the least eigenvalues of unicyclic graphs with application to spectral spread. <i>Linear Algebra and Its Applications</i> , 2008, 429, 577-588.	0.4	51
3	Maximizing spectral radius of unoriented Laplacian matrix over bicyclic graphs of a given order. <i>Linear and Multilinear Algebra</i> , 2008, 56, 381-397.	0.5	51
4	On the spectral radius of a class of non-odd-bipartite even uniform hypergraphs. <i>Linear Algebra and Its Applications</i> , 2015, 480, 93-106.	0.4	49
5	Bipartiteness and the least eigenvalue of signless Laplacian of graphs. <i>Linear Algebra and Its Applications</i> , 2012, 436, 3254-3267.	0.4	38
6	Unoriented Laplacian maximizing graphs are degree maximal. <i>Linear Algebra and Its Applications</i> , 2008, 429, 735-758.	0.4	35
7	Maximizing spectral radii of uniform hypergraphs with few edges. <i>Discussiones Mathematicae - Graph Theory</i> , 2016, 36, 845.	0.2	35
8	On the nullity of graphs with pendant trees. <i>Linear Algebra and Its Applications</i> , 2010, 433, 1374-1380.	0.4	32
9	A note on the nullity of unicyclic signed graphs. <i>Linear Algebra and Its Applications</i> , 2013, 438, 1193-1200.	0.4	28
10	The least eigenvalue of signless Laplacian of graphs under perturbation. <i>Linear Algebra and Its Applications</i> , 2012, 436, 2084-2092.	0.4	26
11	The Signless Laplacian Spectral Radius of Graphs with Given Number of Pendant Vertices. <i>Graphs and Combinatorics</i> , 2009, 25, 291-298.	0.2	25
12	The least eigenvalue of graphs with given connectivity. <i>Linear Algebra and Its Applications</i> , 2009, 430, 1375-1379.	0.4	23
13	The least eigenvalue of the complements of trees. <i>Linear Algebra and Its Applications</i> , 2011, 435, 2150-2155.	0.4	23
14	The Laplacian spread of unicyclic graphs. <i>Applied Mathematics Letters</i> , 2009, 22, 1011-1015.	1.5	21
15	Maximizing signless Laplacian or adjacency spectral radius of graphs subject to fixed connectivity. <i>Linear Algebra and Its Applications</i> , 2010, 433, 1180-1186.	0.4	21
16	The least eigenvalue of a graph with cut vertices. <i>Linear Algebra and Its Applications</i> , 2010, 433, 19-27.	0.4	20
17	On the nullity of the line graph of unicyclic graph with depth one. <i>Linear Algebra and Its Applications</i> , 2012, 437, 2038-2055.	0.4	20
18	The connectivity and the Harary index of a graph. <i>Discrete Applied Mathematics</i> , 2015, 181, 167-173.	0.5	20

#	ARTICLE	IF	CITATIONS
19	On spectral integral variations of mixed graphs. <i>Linear Algebra and Its Applications</i> , 2003, 374, 307-316.	0.4	19
20	On the least eigenvalue of a unicyclic mixed graph. <i>Linear and Multilinear Algebra</i> , 2005, 53, 97-113.	0.5	19
21	First eigenvalue and first eigenvectors of a nonsingular unicyclic mixed graph. <i>Discrete Mathematics</i> , 2009, 309, 2479-2487.	0.4	17
22	The $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si5.gif" display="inline" overflow="scroll" \rangle \langle \text{mml:mi} \rangle \text{H} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -spectra of a class of generalized power hypergraphs. <i>Discrete Mathematics</i> , 2016, 339, 1682-1689.	0.4	17
23	On the determinant of the Laplacian matrix of a complex unit gain graph. <i>Discrete Mathematics</i> , 2018, 341, 81-86.	0.4	17
24	The spectral symmetry of weakly irreducible nonnegative tensors and connected hypergraphs. <i>Transactions of the American Mathematical Society</i> , 2019, 372, 2213-2233.	0.5	17
25	Adaptive synchronization in complex dynamical networks with coupling delays for general graphs. <i>Applied Mathematics and Computation</i> , 2012, 219, 83-87.	1.4	16
26	The effect on the second smallest eigenvalue of the normalized Laplacian of a graph by grafting edges. <i>Linear and Multilinear Algebra</i> , 2008, 56, 627-638.	0.5	15
27	The vertex (edge) independence number, vertex (edge) cover number and the least eigenvalue of a graph. <i>Linear Algebra and Its Applications</i> , 2010, 433, 790-795.	0.4	14
28	The nullity of bicyclic signed graphs. <i>Linear and Multilinear Algebra</i> , 2014, 62, 242-251.	0.5	13
29	Eigenvariety of nonnegative symmetric weakly irreducible tensors associated with spectral radius and its application to hypergraphs. <i>Linear Algebra and Its Applications</i> , 2019, 564, 72-94.	0.4	12
30	A Laplacian spectral method for stereo correspondence. <i>Pattern Recognition Letters</i> , 2007, 28, 1391-1399.	2.6	11
31	On edge singularity and eigenvectors of mixed graphs. <i>Acta Mathematica Sinica, English Series</i> , 2008, 24, 139-146.	0.2	10
32	The least eigenvalues of the signless Laplacian of non-bipartite graphs with pendant vertices. <i>Discrete Mathematics</i> , 2013, 313, 903-909.	0.4	10
33	The largest H-eigenvalue and spectral radius of Laplacian tensor of non-odd-bipartite generalized power hypergraphs. <i>Linear Algebra and Its Applications</i> , 2016, 504, 487-502.	0.4	10
34	Quadratic forms on graphs with application to minimizing the least eigenvalue of signless Laplacian over bicyclic graphs. <i>Electronic Journal of Linear Algebra</i> , 0, 27, .	0.6	10
35	Edge bipartiteness and signless Laplacian spread of graphs. <i>Applicable Analysis and Discrete Mathematics</i> , 2012, 6, 31-45.	0.3	9
36	Bounds for the positive and negative inertia index of a graph. <i>Linear Algebra and Its Applications</i> , 2017, 522, 15-27.	0.4	9

#	ARTICLE	IF	CITATIONS
37	Eigenvectors of Laplacian or signless Laplacian of hypergraphs associated with zero eigenvalue. <i>Linear Algebra and Its Applications</i> , 2019, 579, 244-261.	0.4	9
38	On eigenvectors of mixed graphs with exactly one nonsingular cycle. <i>Czechoslovak Mathematical Journal</i> , 2007, 57, 1215-1222.	0.3	8
39	A combinatorial method for computing characteristic polynomials of starlike hypergraphs. <i>Journal of Algebraic Combinatorics</i> , 2020, 51, 589-616.	0.4	8
40	The least eigenvalue of signless Laplacian of non-bipartite graphs with given domination number. <i>Discrete Mathematics</i> , 2014, 334, 20-25.	0.4	7
41	Nonsingular mixed graphs with few eigenvalues greater than two. <i>European Journal of Combinatorics</i> , 2007, 28, 1694-1702.	0.5	6
42	The signature of line graphs and power trees. <i>Linear Algebra and Its Applications</i> , 2014, 448, 264-273.	0.4	6
43	The least signless Laplacian eigenvalue of the complements of unicyclic graphs. <i>Applied Mathematics and Computation</i> , 2017, 306, 13-21.	1.4	6
44	The least eigenvalue of graphs whose complements are unicyclic. <i>Discussiones Mathematicae - Graph Theory</i> , 2015, 35, 249.	0.2	5
45	The isomorphism problem of trees from the viewpoint of Terwilliger algebras. <i>Journal of Combinatorial Theory - Series A</i> , 2021, 177, 105328.	0.5	5
46	On trees with exactly one characteristic element. <i>Linear Algebra and Its Applications</i> , 2007, 421, 233-242.	0.4	4
47	The cyclic index of adjacency tensor of generalized power hypergraphs. <i>Discrete Mathematics</i> , 2021, 344, 112329.	0.4	4
48	On the Eigenvalue Two and Matching Number of a Tree. <i>Acta Mathematicae Applicatae Sinica</i> , 2004, 20, 257-262.	0.4	3
49	Spectral property of certain class of graphs associated with generalized Bethe trees and transitive graphs. <i>Applicable Analysis and Discrete Mathematics</i> , 2008, 2, 260-275.	0.3	3
50	The property of maximal eigenvectors of trees. <i>Linear and Multilinear Algebra</i> , 2010, 58, 105-111.	0.5	3
51	The minimum rank of universal adjacency matrices. <i>Linear Algebra and Its Applications</i> , 2012, 437, 2064-2076.	0.4	3
52	Symmetric Toeplitz-Structured Compressed Sensing Matrices. <i>Sensing and Imaging</i> , 2015, 16, 1.	1.0	3
53	A Lower Bound for the Algebraic Connectivity of a Graph in Terms of the Domination Number. <i>Acta Mathematicae Applicatae Sinica</i> , 2018, 34, 752-760.	0.4	2
54	The stabilizing index and cyclic index of the coalescence and Cartesian product of uniform hypergraphs. <i>Journal of Combinatorial Theory - Series A</i> , 2022, 185, 105537.	0.5	2

#	ARTICLE	IF	CITATIONS
55	Spectral rational variation in two places for adjacency matrix is impossible. <i>Linear Algebra and Its Applications</i> , 2005, 404, 275-282.	0.4	1
56	The Least Eigenvalue of Graphs with Cut Edges. <i>Graphs and Combinatorics</i> , 2012, 28, 555-561.	0.2	1
57	Some notes on the spectral perturbations of the signless Laplacian of a graph. <i>Applied Mathematics</i> , 2014, 29, 241-248.	0.6	1
58	The Signless Laplacian or Adjacency Spectral Radius of Bicyclic Graphs with Given Number of Cut Edges. <i>Graphs and Combinatorics</i> , 2015, 31, 1473-1485.	0.2	1
59	The least H-eigenvalue of signless Laplacian of non-odd-bipartite hypergraphs. <i>Discrete Mathematics</i> , 2020, 343, 111987.	0.4	1
60	Algebraic Multiplicity of the Eigenvalues of a Bipartite Tournament Matrix. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2002, 24, 475-483.	0.7	0
61	An alternative method on camera calibration with one-dimensional objects. , 2006, , .		0
62	An Algorithm of Camera Self-calibration. , 2006, , .		0
63	A spectral method to incidence balance of oriented hypergraphs and induced signed hypergraphs. <i>Linear and Multilinear Algebra</i> , 2022, 70, 4804-4818.	0.5	0
64	The dimension of eigenvariety of nonnegative tensors associated with spectral radius. , 0, , .		0
65	On the largest eigenvalue of a mixed graph with partial orientation. <i>Linear Algebra and Its Applications</i> , 2021, 627, 150-161.	0.4	0