Erfang Shan

List of Publications by Year
in descending order

91 papers	444 citations

840776

11 h-index	

996975

15 g-index	

92 all docs	92 docs citations

92 times ranked	143 citing authors

#	Article	IF	Citations
1	On matching and total domination in graphs. Discrete Mathematics, 2008, 308, 2313-2318.	0.7	29
2	Matching Properties in Total Domination Vertex Critical Graphs. Graphs and Combinatorics, 2009, 25, 851-861.	0.4	20
3	Clique-transversal sets and clique-coloring in planar graphs. European Journal of Combinatorics, 2014, 36, 367-376.	0.8	19
4	Total Restrained Domination in Cubic Graphs. Graphs and Combinatorics, 2009, 25, 341-350.	0.4	18
5	Absorbant of generalized de Bruijn digraphs. Information Processing Letters, 2007, 105, 6-11.	0.6	14
6	Lower bounds on the minus domination and k-subdomination numbers. Theoretical Computer Science, 2003, 296, 89-98.	0.9	13
7	Bounds on the clique-transversal number of regular graphs. Science in China Series A: Mathematics, 2008, 51, 851-863.	0.5	13
8	The algorithmic complexity of the minus clique-transversal problem. Applied Mathematics and Computation, 2007, 189, 1410-1418.	2.2	11
9	Component-wise proportional solutions for communication graph games. Mathematical Social Sciences, 2016, 81, 22-28.	0.5	11
10	The degree value for games with communication structure. International Journal of Game Theory, 2018, 47, 857-871.	0.5	11
11	The extremal Î±-index of outerplanar and planar graphs. Applied Mathematics and Computation, 2019, 343, 90-99.	2.2	11
12	Proof of a conjecture on <mml:math altimg="si1.gif" display="inline" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.els. Applied Ma	2.7	10
13	On the k-tuple domination of generalized de Brujin and Kautz digraphs. Information Sciences, 2010, 180, 4430-4435.	6.9	10
14	Algorithms for connected p-centdian problem on block graphs. Journal of Combinatorial Optimization, 2018, 36, 252-263.	1.3	10
15	The Matching Polynomials and Spectral Radii of Uniform Supertrees. Electronic Journal of Combinatorics, 2018, 25, .	0.4	10
16	The twin domination number in generalized de Bruijn digraphs. Information Processing Letters, 2009, 109, 856-860.	0.6	9
17	Matching and domination numbers in r-uniform hypergraphs. Journal of Combinatorial Optimization, 2017, 34, 656-659.	1.3	9
18	Clique-Coloring Claw-Free Graphs. Graphs and Combinatorics, 2016, 32, 1473-1488.	0.4	8

#	ARTICLE	IF	CITATIONS
19	The 2-maxian problem on cactus graphs. Discrete Optimization, 2014, 13, 16-22.	0.9	7
20	Domination in intersecting hypergraphs. Discrete Applied Mathematics, 2018, 251, 155-159.	0.9	7
21	The efficient proportional Myerson values. Operations Research Letters, 2019, 47, 574-578.	0.7	7
22	The largest spectral radius of uniform hypertrees with a given size of matching. Linear and Multilinear Algebra, 2020, 68, 1779-1791.	1.0	7
23	The Myerson value for directed graph games. Operations Research Letters, 2020, 48, 142-146.	0.7	7
24	Approximation algorithms for clique-transversal sets and clique-independent sets in cubic graphs. Information Processing Letters, 2011, 111, 1104-1107.	0.6	6
25	Constructing the minimum dominating sets of generalized de Bruijn digraphs. Discrete Mathematics, 2015, 338, 1501-1508.	0.7	6
26	A linear-time algorithm for clique-coloring problem in circular-arc graphs. Journal of Combinatorial Optimization, 2017, 33, 147-155.	1.3	6
27	Extremal hypergraphs for matching number and domination number. Discrete Applied Mathematics, 2018, 236, 415-421.	0.9	6
28	Anti-Ramsey number of matchings in r-partite r-uniform hypergraphs. Discrete Mathematics, 2022, 345, 112782.	0.7	6
29	The <mml:math altimg="si111.gif" display="inline" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevier.com/x	2.7	5
30	Paired-Domination in Claw-Free Graphs. Graphs and Combinatorics, 2013, 29, 1777-1794.	0.4	5
31	A FPTAS for a two-stage hybrid flow shop problem and optimal algorithms for identical jobs. Theoretical Computer Science, 2014, 524, 78-89.	0.9	5
32	The clique-transversal set problem in claw-free graphs with degree at most 4. Information Processing Letters, 2015, 115, 331-335.	0.6	5
33	Clique-Perfectness of Claw-Free Planar Graphs. Graphs and Combinatorics, 2016, 32, 2551-2562.	0.4	5
34	Extremal Graphs for Blow-Ups of Keyrings. Graphs and Combinatorics, 2020, 36, 1827-1853.	0.4	5
35	Independent sets in {claw,K4}-free 4-regular graphs. Discrete Mathematics, 2014, 332, 40-44.	0.7	4
36	Two efficient values of cooperative games with graph structure based on $$\tau $$ τ -values. Journal of Combinatorial Optimization, 2017, 34, 462-482.	1.3	4

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37	The α-spectral radius of uniform hypergraphs concerning degrees and domination number. Journal of Combinatorial Optimization, 2019, 38, 1128-1142.	1.3	4
38	Maximally connected p-partite uniform hypergraphs. Discrete Applied Mathematics, 2019, 264, 188-195.	0.9	4
39	Extremal Graphs for Odd-Ballooning of Paths and Cycles. Graphs and Combinatorics, 2020, 36, 755-766.	0.4	4
40	The Turán Number of Berge-K_4 in 3-Uniform Hypergraphs. SIAM Journal on Discrete Mathematics, 2020, 34, 1485-1492.	0.8	4
41	The Banzhaf value for generalized probabilistic communication situations. Annals of Operations Research, 2021, 301, 225-244.	4.1	4
42	Characterizations of the Position Value for Hypergraph Communication Situations. Communications in Computer and Information Science, 2019, , 27-42.	0.5	4
43	Signed clique-transversal functions in graphs. International Journal of Computer Mathematics, 2010, 87, 2398-2407.	1.8	3
44	Signed mixed dominating functions in complete bipartite graphs. International Journal of Computer Mathematics, 2015, 92, 712-721.	1.8	3
45	Coloring clique-hypergraphs of graphs with no subdivision of K_5. Theoretical Computer Science, 2015, 592, 166-175.	0.9	3
46	The eigenvectors to the p-spectral radius of general hypergraphs. Journal of Combinatorial Optimization, 2019, 38, 556-569.	1.3	3
47	The second largest spectral radii of uniform hypertrees with given size of matching. Linear and Multilinear Algebra, 2021, 69, 2674-2701.	1.0	3
48	Efficient quotient extensions of the Myerson value. Annals of Operations Research, 2020, 292, 171-181.	4.1	3
49	The average tree value for hypergraph games. Mathematical Methods of Operations Research, 2021, 94, 437-460.	1.0	3
50	Some matching properties in 4-$\gamma\times 2$ graphs. Computers and Mathematics With Applications, 2010, 59, 694-699.	2.7	2
51	The signed maximum-clique transversal number of regular graphs. International Journal of Computer Mathematics, 2012, 89, 741-751.	1.8	2
52	Two paths location of a tree with positive or negative weights. Theoretical Computer Science, 2015, 607, 296-305.	0.9	2
53	Batching Scheduling in a Two-Level Supply Chain with Earliness and Tardiness Penalties. Journal of Systems Science and Complexity, 2016, 29, 478-498.	2.8	2
54	The Position Value and the Myerson Value for Hypergraph Communication Situations. Static and Dynamic Game Theory: Foundations and Applications, 2018, , 237-250.	0.6	2

#	Article	IF	Citations
55	The Finite Projective Plane and the 5-Uniform Linear Intersecting Hypergraphs with Domination Number Four. Graphs and Combinatorics, 2018, 34, 931-945.	0.4	2
56	The clique-perfectness and clique-coloring of outer-planar graphs. Journal of Combinatorial Optimization, 2019, 38, 794-807.	1.3	2
57	The position value and the structures of graphs. Applied Mathematics and Computation, 2019, 356, 190-197.	2.2	2
58	List-coloring clique-hypergraphs of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e51" altimg="si37.svg"><mml:msub><mml:mrow><mml:mi>K</mml:mi></mml:mrow><mml:mrow><mml:mn>5</mml:mn></mml:mrow></mml:m graphs strongly. Discrete Mathematics, 2020, 343, 111777.	0.7	2
59	Marginal contributions and derivatives for set functions in cooperative games. Journal of Combinatorial Optimization, 2020, 39, 849-858.	1.3	2
60	A value for cooperative games with coalition and probabilistic graph structures. Journal of Combinatorial Optimization, 0, , 1.	1.3	2
61	Clique-Transversal Sets in Cubic Graphs. Lecture Notes in Computer Science, 2007, , 107-115.	1.3	2
62	THE INDEPENDENCE NUMBER OF CONNECTED (claw, K_{4})-FREE 4-REGULAR GRAPHS. Taiwanese Journal of Mathematics, 2013, 17, .	0.4	2
63	Sharp Lower Bounds on the Spectral Radius of Uniform Hypergraphs Concerning Degrees. Electronic Journal of Combinatorics, 2018, 25, .	0.4	2
64	The Turán number of Berge-matching in hypergraphs. Discrete Mathematics, 2022, 345, 112901.	0.7	2
65	A note on the upper bound for the paired-domination number of a graph with minimum degree at least two. Networks, 2011, 57, n/a-n/a.	2.7	1
66	Perfect matchings in paired domination vertex critical graphs. Journal of Combinatorial Optimization, 2012, 23, 507-518.	1.3	1
67	3-Factor-Criticality in Double Domination Edge Critical Graphs. Graphs and Combinatorics, 2016, 32, 1599-1610.	0.4	1
68	The Spectral Radius and Domination Number of Uniform Hypergraphs. Lecture Notes in Computer Science, 2017, , 306-316.	1.3	1
69	The Ferry Cover Problem on Regular Graphs and Small-Degree Graphs. Chinese Annals of Mathematics Series B, 2018, 39, 933-946.	0.4	1
70	A linear-time algorithm for clique-coloring planar graphs. Operations Research Letters, 2019, 47, 241-243.	0.7	1
71	Cooperative games with partial information. International Journal of Game Theory, 2021, 50, 297-309.	0.5	1
72	Extremal graphs for blow-ups of stars and paths. Discrete Applied Mathematics, 2021, 290, 79-85.	0.9	1

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73	The Efficient Proportional Myerson Values for Hypergraph Games. Mathematical Problems in Engineering, 2021, 2021, 1-5.	1.1	1
74	Egalitarian allocation and players of certain type. Operations Research Letters, 2021, 49, 492-495.	0.7	1
75	The Alcuin number of graphs with maximum degree five. Scientia Sinica Mathematica, 2014, 44, 719-728.	0.2	1
76	Claw-free cubic graphs with clique-transversal number half of their order. Applied Mathematics Letters, 2011, 24, 1080-1083.	2.7	0
77	An efficient algorithm for distance total domination in block graphs. Journal of Combinatorial Optimization, 2016, 31, 372-381.	1.3	0
78	Distance domination of generalized de Bruijn and Kautz digraphs. Frontiers of Mathematics in China, 2017, 12, 339-357.	0.7	0
79	Cost sharing on prices for games on graphs. Journal of Combinatorial Optimization, 2017, 34, 676-688.	1.3	0
80	The clique-transversal set problem in {claw,K4}-free planar graphs. Information Processing Letters, 2017, 118, 64-68.	0.6	0
81	The w-centroids and least w-central subtrees in weighted trees. Journal of Combinatorial Optimization, 2018, 36, 1118-1127.	1.3	0
82	The spectral radius and domination number in linear uniform hypergraphs. Journal of Combinatorial Optimization, 2021, 42, 581-592.	1.3	0
83	Safety of links with respect to the Myerson value for communication situations. Operational Research, 2020, , 1.	2.0	0
84	Weighted component-wise solutions for graph games. Economics Letters, 2020, 192, 109233.	1.9	0
85	Extremal problems for the p-spectral radius of Berge hypergraphs. Linear Algebra and Its Applications, 2020, 600, 22-39.	0.9	0
86	The principal eigenvector to $$alpha $$-spectral radius of hypergraphs. Journal of Combinatorial Optimization, 2021, 42, 258-275.	1.3	0
87	A Decomposability Property to the Weighted Myerson Value and the Weighted Position Value. Mathematical Problems in Engineering, 2021, 2021, 1-5.	1.1	0
88	On a Conjecture for Power Domination. Graphs and Combinatorics, 2021, 37, 1215.	0.4	0
89	TurÃ¡n Problems for Berge-(k, p)-Fan Hypergraph. Chinese Annals of Mathematics Series B, 2021, 42, 487-494.	0.4	0
90	CLIQUE-TRANSVERSAL SETS IN LINE GRAPHS OF CUBIC GRAPHS AND TRIANGLE-FREE GRAPHS. Bulletin of the Korean Mathematical Society, 2015, 52, 1423-1431.	0.3	0

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91	Consistency and the graph Banzhaf value for communication graph games. Operations Research Letters, 2022, 50, 190-194.	0.7	0