

# Xingxing Yu

## List of Publications by Year in descending order

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81  
papers

937  
citations

567281

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h-index

552781

26  
g-index

81  
all docs

81  
docs citations

81  
times ranked

450  
citing authors

#	ARTICLE	IF	CITATIONS
1	Graph-Based Resource Sharing in Vehicular Communication. IEEE Transactions on Wireless Communications, 2018, 17, 4579-4592.	9.2	120
2	On the Fundamental Tradeoffs Between Routing Table Size and Network Diameter in Peer-to-Peer Networks. IEEE Journal on Selected Areas in Communications, 2004, 22, 151-163.	14.0	111
3	Ulysses: a robust, low-diameter, low-latency peer-to-peer network. , 0, , .		35
4	On judicious bisections of graphs. Journal of Combinatorial Theory Series B, 2014, 106, 30-69.	1.0	30
5	Five-Connected Toroidal Graphs Are Hamiltonian. Journal of Combinatorial Theory Series B, 1997, 69, 79-96.	1.0	29
6	On several partitioning problems of Bollobás and Scott. Journal of Combinatorial Theory Series B, 2010, 100, 631-649.	1.0	29
7	Better Bounds for $k$ -Partitions of Graphs. Combinatorics Probability and Computing, 2011, 20, 631-640.	1.3	27
8	Ulysses: a robust, low-diameter, low-latency peer-to-peer network. European Transactions on Telecommunications, 2004, 15, 571-587.	1.2	26
9	Judicious $k$ -partitions of graphs. Journal of Combinatorial Theory Series B, 2009, 99, 324-337.	1.0	25
10	Triangle-free subcubic graphs with minimum bipartite density. Journal of Combinatorial Theory Series B, 2008, 98, 516-537.	1.0	23
11	Graph-Based Radio Resource Management for Vehicular Networks. , 2018, , .		22
12	Graph Connectivity After Path Removal. Combinatorica, 2003, 23, 185-203.	1.2	20
13	Positively curved cubic plane graphs are finite. Journal of Graph Theory, 2004, 47, 241-274.	0.9	20
14	A note on balanced bipartitions. Discrete Mathematics, 2010, 310, 2613-2617.	0.7	20
15	Hamilton paths in toroidal graphs. Journal of Combinatorial Theory Series B, 2005, 94, 214-236.	1.0	19
16	Hamilton cycles in plane triangulations. Journal of Graph Theory, 2002, 41, 138-150.	0.9	17
17	Non-Separating Paths in 4-Connected Graphs. Annals of Combinatorics, 2005, 9, 47-56.	0.6	15
18	On judicious bipartitions of graphs. Combinatorica, 2016, 36, 537-556.	1.2	15

#	ARTICLE	IF	CITATIONS
19	Hamilton Cycles in Planar Locally Finite Graphs. SIAM Journal on Discrete Mathematics, 2008, 22, 1381-1392.	0.8	14
20	Bisections of Graphs Without Short Cycles. Combinatorics Probability and Computing, 2018, 27, 44-59.	1.3	14
21	Disjoint Paths in Graphs I, $\mathbb{A}_3$ -planar Graphs and Basic Obstructions. Annals of Combinatorics, 2003, 7, 89-103.	0.6	13
22	Truncation for Low-Complexity MIMO Signal Detection. IEEE Transactions on Information Theory, 2007, 53, 1564-1571.	2.4	13
23	Independent paths and $K_{5,5}$ -subdivisions in graphs containing $K_{5,5}$ . Journal of Combinatorial Theory Series B, 2010, 100, 600-616.		13
24	Partitioning 3-uniform hypergraphs. Journal of Combinatorial Theory Series B, 2012, 102, 212-232.	1.0	12
25	Disjoint Paths in Graphs III, Characterization. Annals of Combinatorics, 2003, 7, 229-246.	0.6	11
26	Subdivisions in Planar Graphs. Journal of Combinatorial Theory Series B, 1998, 72, 10-52.	1.0	10
27	Hamilton circles in infinite planar graphs. Journal of Combinatorial Theory Series B, 2009, 99, 110-138.	1.0	10
28	Approximating the chromatic index of multigraphs. Journal of Combinatorial Optimization, 2011, 21, 219-246.	1.3	10
29	Disjoint Paths in Graphs II, A Special Case. Annals of Combinatorics, 2003, 7, 105-126.	0.6	9
30	Bi-truncation for simplified MIMO signal detection. , 0, , .		9
31	Reducing Hajos' 4-coloring conjecture to 4-connected graphs. Journal of Combinatorial Theory Series B, 2006, 96, 482-492.	1.0	9
32	Upper bounds on minimum balanced bipartitions. Discrete Mathematics, 2012, 312, 1077-1083.	0.7	9
33	$K_{5,5}$ -subdivisions in graphs containing $K_{5,5}$ . Journal of Combinatorial Theory Series B, 2013, 103, 713-732.	1.0	9
34	On Tight Components and Anti-Tight Components. Graphs and Combinatorics, 2015, 31, 2293-2297.	0.4	9
35	Spanning paths in infinite planar graphs. Journal of Graph Theory, 1996, 23, 163-174.	0.9	8
36	The circumference of a graph with no $K_{5,5}$ -subdivisions. Journal of Combinatorial Theory Series B, 2013, 103, 713-732.	1.0	8

#	ARTICLE	IF	CITATIONS
37	On the reconstruction of planar graphs. Journal of Combinatorial Theory Series B, 2007, 97, 745-756.	1.0	8
38	On the rainbow matching conjecture for 3-uniform hypergraphs. Science China Mathematics, 2022, 65, 2423-2440.	1.7	8
39	Infinite paths in planar graphs I: Graphs with radial nets. Journal of Graph Theory, 2004, 47, 147-162.	0.9	7
40	Bounds for pairs in partitions of graphs. Discrete Mathematics, 2010, 310, 2069-2081.	0.7	7
41	Rainbow matchings for 3-uniform hypergraphs. Journal of Combinatorial Theory - Series A, 2021, 183, 105489.	0.8	7
42	Infinite paths in planar graphs II, structures and ladder nets. Journal of Graph Theory, 2005, 48, 247-266.	0.9	6
43	Infinite paths in planar graphs III, 1-way infinite paths. Journal of Graph Theory, 2006, 51, 175-198.	0.9	6
44	Nonseparating Cycles in 4-Connected Graphs. SIAM Journal on Discrete Mathematics, 2003, 16, 616-629.	0.8	5
45	An SDP randomized approximation algorithm for max hypergraph cut with limited unbalance. Science China Mathematics, 2014, 57, 2437-2462.	1.7	5
46	A bound on judicious bipartitions of directed graphs. Science China Mathematics, 2020, 63, 297-308.	1.7	5
47	Nearly Perfect Matchings in Uniform Hypergraphs. SIAM Journal on Discrete Mathematics, 2021, 35, 1022-1049.	0.8	5
48	Non-separating cycles and discrete Jordan curves. Journal of Combinatorial Theory Series B, 1992, 54, 142-154.	1.0	4
49	Long cycles in 3-connected graphs in orientable surfaces. Journal of Graph Theory, 2002, 41, 69-84.	0.9	4
50	Infinite paths in planar graphs IV, dividing cycles. Journal of Graph Theory, 2006, 53, 173-195.	0.9	4
51	Balanced judicious bipartitions of graphs. Journal of Graph Theory, 2010, 63, 210-225.	0.9	4
52	The circumference of a graph with no $K_{3,3}$ . Journal of Combinatorial Theory Series B, 2012, 102, 1211-1240.	1.0	4
53	Approximate min-max relations on plane graphs. Journal of Combinatorial Optimization, 2013, 26, 127-134.	1.3	4
54	Subdivisions of $K_5$ in graphs containing $K_{2,3}$ . Journal of Combinatorial Theory Series B, 2015, 113, 18-67.	1.0	4

#	ARTICLE	IF	CITATIONS
55	The Kelmans-Seymour conjecture II: 2-vertices in $K_{n-4}$ . <i>Journal of Combinatorial Theory Series B</i> , 2020, 144, 225-264.		
56	The Kelmans-Seymour conjecture I: Special separations. <i>Journal of Combinatorial Theory Series B</i> , 2020, 144, 197-224.	1.0	4
57	The Kelmans-Seymour conjecture III: 3-vertices in $K_{n-4}$ . <i>Journal of Combinatorial Theory Series B</i> , 2020, 144, 265-308.		
58	The Kelmans-Seymour conjecture IV: A proof. <i>Journal of Combinatorial Theory Series B</i> , 2020, 144, 309-358.	1.0	4
59	Rainbow Perfect Matchings for 4-Uniform Hypergraphs. <i>SIAM Journal on Discrete Mathematics</i> , 2022, 36, 1645-1662.	0.8	4
60	Infinite paths in planar graphs V, 3-indivisible graphs. <i>Journal of Graph Theory</i> , 2008, 57, 275-312.	0.9	3
61	On problems about judicious bipartitions of graphs. <i>Journal of Combinatorial Theory Series B</i> , 2019, 139, 230-250.	1.0	3
62	7-Connected graphs are 4-ordered. <i>Journal of Combinatorial Theory Series B</i> , 2020, 141, 115-135.	1.0	3
63	Partitioning digraphs with outdegree at least 4. <i>Journal of Graph Theory</i> , 2021, 98, 604-622.	0.9	3
64	Contractible Cliques in k-Connected Graphs. <i>Graphs and Combinatorics</i> , 2006, 22, 361-370.	0.4	2
65	Contractible subgraphs in k-connected graphs. <i>Journal of Graph Theory</i> , 2007, 55, 121-136.	0.9	2
66	Maximum Directed Cuts in Graphs with Degree Constraints. <i>Graphs and Combinatorics</i> , 2012, 28, 563-574.	0.4	2
67	Minimum codegree condition for perfect matchings in bipartite graphs. <i>Journal of Graph Theory</i> , 2019, 92, 207-229.	0.9	2
68	Counting Hamiltonian cycles in planar triangulations. <i>Journal of Combinatorial Theory Series B</i> , 2022, 155, 256-277.	1.0	2
69	On the cycle-isomorphism of graphs. <i>Journal of Graph Theory</i> , 1991, 15, 19-27.	0.9	1
70	On a bipartition problem of Bollobás and Scott. <i>Combinatorica</i> , 2009, 29, 595-618.	1.2	1
71	Nonseparating Cycles Avoiding Specific Vertices. <i>Journal of Graph Theory</i> , 2015, 80, 253-267.	0.9	1
72	Graphs Containing Topological $H$ . <i>Journal of Graph Theory</i> , 2016, 82, 121-153.	0.9	1

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73	On a Coloring Conjecture of Hajós. <i>Graphs and Combinatorics</i> , 2016, 32, 351-361.	0.4	1
74	Maximum IPP Codes of Length 3. <i>Annals of Combinatorics</i> , 2010, 13, 491-510.	0.6	0
75	Disjoint perfect matchings in $k$ -uniform hypergraphs. <i>Journal of Graph Theory</i> , 2018, 88, 284-293.	0.9	0
76	Approximation algorithms for constructing required subgraphs using stock pieces of fixed length. <i>Journal of Combinatorial Optimization</i> , 2020, , 1.	1.3	0
77	Wheels in planar graphs and Hajós graphs. <i>Journal of Graph Theory</i> , 2021, 98, 179-194.	0.9	0
78	1-line minimum rectilinear steiner trees and related problems. <i>Journal of Combinatorial Optimization</i> , 0, , 1.	1.3	0
79	$k$ -Separations in Hajós graphs. <i>Journal of Graph Theory</i> , 0, , .	0.9	0
80	Induced forests in bipartite planar graphs. <i>Electronic Journal of Combinatorics</i> , 2017, 8, 93-166.	0.1	0
81	A Note on Exact Minimum Degree Threshold for Fractional Perfect Matchings. <i>Graphs and Combinatorics</i> , 2022, 38, 1.	0.4	0