Mihyun Kang

List of Publications by Year
in descending order

72	477	759233 12	794594 19
papers	citations	h-index	g-index

75	75	75	181
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Enumeration and limit laws for seriesâ€“parallel graphs. European Journal of Combinatorics, 2007, 28, 2091-2105.	0.8	60
2	Asymptotic Study of Subcritical Graph Classes. SIAM Journal on Discrete Mathematics, 2011, 25, 1615-1651.	0.8	33
3	Random cubic planar graphs. Random Structures and Algorithms, 2007, 30, 78-94.	1.1	27
4	The Critical Phase for Random Graphs with a Given Degree Sequence. Combinatorics Probability and Computing, 2008, 17, 67-86.	1.3	24
5	Quasi-Randomness and Algorithmic Regularity for Graphs with General Degree Distributions. SIAM Journal on Computing, 2010, 39, 2336-2362.	1.0	23
6	Boltzmann Samplers, PÃ³lya Theory, and Cycle Pointing. SIAM Journal on Computing, 2011, 40, 721-769.	1.0	23
7	Charting the Replica Symmetric Phase. Communications in Mathematical Physics, 2018, 359, 603-698.	2.2	20
8	The order of the giant component of random hypergraphs. Random Structures and Algorithms, 2010, 36, 149-184.	1.1	19
9	Generating labeled planar graphs uniformly at random. Theoretical Computer Science, 2007, 379, 377-386.	0.9	18
10	Two critical periods in the evolution of random planar graphs. Transactions of the American Mathematical Society, 2012, 364, 4239-4265.	0.9	18
11	Generating Outerplanar Graphs Uniformly at Random. Combinatorics Probability and Computing, 2006, 15, 333.	1.3	17
12	On the connectivity of random graphs from addable classes. Journal of Combinatorial Theory Series B, 2013, 103, 306-312.	1.0	13
13	Local Limit Theorems for the Giant Component of Random Hypergraphs. Combinatorics Probability and Computing, 2014, 23, 331-366.	1.3	13
14	Enumeration and Asymptotic Properties of Unlabeled Outerplanar Graphs. Electronic Journal of Combinatorics, 2007, 14, .	0.4	13
15	Untangling planar graphs from a specified vertex positionâ€”Hard cases. Discrete Applied Mathematics, 2011, 159, 789-799.	0.9	9
16	Resolution of a conjecture on majority dynamics: Rapid stabilization in dense random graphs. Random Structures and Algorithms, 2020, 57, 1134-1156.	1.1	9
17	Generating Labeled Planar Graphs Uniformly at Random. Lecture Notes in Computer Science, 2003, , 1095-1107.	1.3	9
18	Largest Components in Random Hypergraphs. Combinatorics Probability and Computing, 2018, 27, 741-762.	1.3	8

#	Article	IF	Citations
19	The size of the giant highâ€order component in random hypergraphs. Random Structures and Algorithms, 2018, 53, 238-288.	1.1	8
20	The Phase Transition in Multitype Binomial Random Graphs. SIAM Journal on Discrete Mathematics, 2015, 29, 1042-1064.	0.8	7
21	The connectivity threshold for the min-degree random graph process. Random Structures and Algorithms, 2006, 29, 105-120.	1.1	6
22	The Bohmanâ€Frieze process near criticality. Random Structures and Algorithms, 2013, 43, 221-250.	1.1	6
23	The Asymptotic Number of Connectedd-Uniform Hypergraphs. Combinatorics Probability and Computing, 2014, 23, 367-385.	1.3	6
24	Threshold and Hitting Time for High-Order Connectedness in Random Hypergraphs. Electronic Journal of Combinatorics, 2016, 23, .	0.4	6
25	Random unlabelled graphs containing few disjoint cycles. Random Structures and Algorithms, 2011, 38, 174-204.	1.1	5
26	The Evolution of Random Graphs on Surfaces. SIAM Journal on Discrete Mathematics, 2018, 32, 695-727.	0.8	5
27	Large Induced Matchings in Random Graphs. SIAM Journal on Discrete Mathematics, 2021, 35, 267-280.	0.8	5
28	Phase transition of the minimum degree random multigraph process. Random Structures and Algorithms, 2007, 31, 330-353.	1.1	4
29	Evolution of high-order connected components in random hypergraphs. Electronic Notes in Discrete Mathematics, 2015, 49, 569-575.	0.4	4
30	How does the core sit inside the mantle?. Random Structures and Algorithms, 2017, 51, 459-482.	1.1	4
31	A phase transition regarding the evolution of bootstrap processes in inhomogeneous random graphs. Annals of Applied Probability, 2018, 28, .	1.3	4
32	Vanishing of cohomology groups of random simplicial complexes. Random Structures and Algorithms, 2020, 56, 461-500.	1.1	4
33	Phase transitions in graphs on orientable surfaces. Random Structures and Algorithms, 2020, 56, 1117-1170.	1.1	4
34	Cubic Graphs and Related Triangulations on Orientable Surfaces. Electronic Journal of Combinatorics, 2018, 25, .	0.4	4
35	Random walks on a finite graph with congestion points. Applied Mathematics and Computation, 2004, 153, 601-610.	2.2	3
36	The genus of the ErdÅ‘sâ€RÃ©nyi random graph and the fragile genus property. Random Structures and Algorithms, 2020, 56, 97-121.	1.1	3

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37	Sampling Unlabeled Biconnected Planar Graphs. Lecture Notes in Computer Science, 2005, , 593-603.	1.3	3
38	Generating unlabeled connected cubic planar graphs uniformly at random. Random Structures and Algorithms, 2008, 32, 157-180.	1.1	2
39	The enumeration of planar graphs via Wick's theorem. Advances in Mathematics, 2009, 221, 1703-1724.	1.1	2
40	Random preorders and alignments. Discrete Mathematics, 2010, 310, 591-603.	0.7	2
41	â€˜The Asymptotic Number of Connected d-Uniform Hypergraphsâ€™ â€” CORRIGENDUM. Combinatorics Probability and Computing, 2015, 24, 373-375.	1.3	2
42	Jigsaw percolation on random hypergraphs. Journal of Applied Probability, 2017, 54, 1261-1277.	0.7	2
43	Evolution of a Modified Binomial Random Graph by Agglomeration. Journal of Statistical Physics, 2018, 170, 509-535.	1.2	2
44	Core forging and local limit theorems for the k-core of random graphs. Journal of Combinatorial Theory Series B, 2019, 137, 178-231.	1.0	2
45	Large complete minors in random subgraphs. Combinatorics Probability and Computing, 2021, 30, 619-630.	1.3	2
46	First hitting times of simple random walks on graphs with congestion points. International Journal of Mathematics and Mathematical Sciences, 2003, 2003, 1911-1922.	0.7	1
47	Efficiency test of pseudorandom number generators using random walks. Journal of Computational and Applied Mathematics, 2005, 174, 165-177.	2.0	1
48	Evolution of random graph processes with degree constraints. Electronic Notes in Discrete Mathematics, 2007, 28, 493-500.	0.4	1
49	The evolution of the minâ€“min random graph process. Discrete Mathematics, 2009, 309, 4527-4544.	0.7	1
50	Homological connectedness of random hypergraphs. Electronic Notes in Discrete Mathematics, 2017, 61, 279-285.	0.4	1
51	The evolution of random graphs on surfaces. Electronic Notes in Discrete Mathematics, 2017, 61, 367-373.	0.4	1
52	Supersaturation Problem for the Bowtie. Electronic Notes in Discrete Mathematics, 2017, 61, 679-685.	0.4	1
53	Supersaturation problem for the bowtie. European Journal of Combinatorics, 2020, 88, 103107.	0.8	1
54	Longest and shortest cycles in random planar graphs. Random Structures and Algorithms, 0, , .	1.1	1

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55	Directed cycle double covers: hexagon graphs. , 2013, , 147-151.		1
56	Longest Paths in Random Hypergraphs. SIAM Journal on Discrete Mathematics, 2021, 35, 2430-2458.	0.8	1
57	On the connectivity threshold of Achlioptas processes. Electronic Journal of Combinatorics, 2014, 5, 291-304.	0.1	1
58	The Size of the Giant Component in Random Hypergraphs: a Short Proof. Electronic Journal of Combinatorics, 2019, 26, .	0.4	1
59	Subcritical Random Hypergraphs, High-Order Components, and Hypertrees. SIAM Journal on Discrete Mathematics, 2020, 34, 2033-2062.	0.8	1
60	How does the core sit inside the mantle?. Electronic Notes in Discrete Mathematics, 2015, 49, 489-496.	0.4	0
61	Bootstrap percolation in random k -uniform hypergraphs. Electronic Notes in Discrete Mathematics, 2015, 49, 595-601.	0.4	0
62	Cubic Bridgeless Graphs and Braces. Graphs and Combinatorics, 2016, 32, 2473-2495.	0.4	0
63	Phase transitions from <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.svg"><mml:mi mathvariant="normal">exp</mml:mi><mml:mo>a¡</mml:mo><mml:mo stretchy="false">(</mml:mo><mml:msup><mml:mrow><mml:mi>n</mml:mi></mml:mrow><mml:mrow><mml:mn>1	0.8	0
64	xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.svg"><mml:mi mathvariant="normal">e On a Question of Vera T. SÃ³s About Size Forcing of Graphons. Trends in Mathematics, 2021, , 625-630.	0.1	0
65	Loose Cores and Cycles in Random Hypergraphs. Trends in Mathematics, 2021, , 280-285.	0.1	0
66	Cut Vertices in Random Planar Graphs. Trends in Mathematics, 2021, , 18-24.	0.1	0
67	The Game of Toucher and Isolator. Trends in Mathematics, 2021, , 417-422.	0.1	0
68	Properties of stochastic Kronecker graphs. Electronic Journal of Combinatorics, 2015, 6, 395-432.	0.1	0
69	Giant components in random graphs. The IMA Volumes in Mathematics and Its Applications, 2016, , 235-256.	0.5	0
70	Title is missing!. Theory of Computing, 2017, 13, 1-22.	0.5	0
71	Concentration of maximum degree in random planar graphs. Journal of Combinatorial Theory Series B, 2022, 156, 310-342.	1.0	0
72	Planarity and Genus of Sparse Random Bipartite Graphs. SIAM Journal on Discrete Mathematics, 2022, 36, 1394-1415.	0.8	0