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	Concentration of maximum degree in random planar graphs. Journal of Combinatorial Theory Series B, 2022, 156, 310-342.	1.0	0
2	Planarity and Genus of Sparse Random Bipartite Graphs. SIAM Journal on Discrete Mathematics, 2022, 36, 1394-1415.	0.8	0
3	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>⁡</mml:mo><mml:mo stretchy="false">(</mml:mo><mml:msup><mml:mrow><mml:mi>n</mml:mi></mml:mrow><mml:mrow><mml:mn>1</mml:mn><mml:mo	0.8	0
4	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
5	Loose Cores and Cycles in Random Hypergraphs. Trends in Mathematics, 2021, , 280-285.	0.1	0
6	Large Induced Matchings in Random Graphs. SIAM Journal on Discrete Mathematics, 2021, 35, 267-280.	0.8	5
7	Cut Vertices in Random Planar Graphs. Trends in Mathematics, 2021, , 18-24.	0.1	0
8	The Game of Toucher and Isolator. Trends in Mathematics, 2021, , 417-422.	0.1	0
9	Longest Paths in Random Hypergraphs. SIAM Journal on Discrete Mathematics, 2021, 35, 2430-2458.	0.8	1
10	Large complete minors in random subgraphs. Combinatorics Probability and Computing, 2021, 30, 619-630.	1.3	2
11	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
12	Vanishing of cohomology groups of random simplicial complexes. Random Structures and Algorithms, 2020, 56, 461-500.	1.1	4
13	Supersaturation problem for the bowtie. European Journal of Combinatorics, 2020, 88, 103107.	0.8	1
14	Resolution of a conjecture on majority dynamics: Rapid stabilization in dense random graphs. Random Structures and Algorithms, 2020, 57, 1134-1156.	1.1	9
15	Phase transitions in graphs on orientable surfaces. Random Structures and Algorithms, 2020, 56, 1117-1170.	1.1	4
16	Subcritical Random Hypergraphs, High-Order Components, and Hypertrees. SIAM Journal on Discrete Mathematics, 2020, 34, 2033-2062.	0.8	1
17	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
18	The Size of the Giant Component in Random Hypergraphs: a Short Proof. Electronic Journal of Combinatorics, 2019, 26, .	0.4	1

#	Article	IF	Citations
19	Largest Components in Random Hypergraphs. Combinatorics Probability and Computing, 2018, 27, 741-762.	1.3	8
20	The size of the giant highâ€order component in random hypergraphs. Random Structures and Algorithms, 2018, 53, 238-288.	1.1	8
21	Evolution of a Modified Binomial Random Graph by Agglomeration. Journal of Statistical Physics, 2018, 170, 509-535.	1.2	2
22	Charting the Replica Symmetric Phase. Communications in Mathematical Physics, 2018, 359, 603-698.	2.2	20
23	A phase transition regarding the evolution of bootstrap processes in inhomogeneous random graphs. Annals of Applied Probability, 2018, 28, .	1.3	4
24	The Evolution of Random Graphs on Surfaces. SIAM Journal on Discrete Mathematics, 2018, 32, 695-727.	0.8	5
25	Cubic Graphs and Related Triangulations on Orientable Surfaces. Electronic Journal of Combinatorics, 2018, 25, .	0.4	4
26	Homological connectedness of random hypergraphs. Electronic Notes in Discrete Mathematics, 2017, 61, 279-285.	0.4	1
27	The evolution of random graphs on surfaces. Electronic Notes in Discrete Mathematics, 2017, 61, 367-373.	0.4	1
28	Supersaturation Problem for the Bowtie. Electronic Notes in Discrete Mathematics, 2017, 61, 679-685.	0.4	1
29	How does the core sit inside the mantle?. Random Structures and Algorithms, 2017, 51, 459-482.	1.1	4
30	Jigsaw percolation on random hypergraphs. Journal of Applied Probability, 2017, 54, 1261-1277.	0.7	2
31	Title is missing!. Theory of Computing, 2017, 13, 1-22.	0.5	0
32	Cubic Bridgeless Graphs and Braces. Graphs and Combinatorics, 2016, 32, 2473-2495.	0.4	0
33	Threshold and Hitting Time for High-Order Connectedness in Random Hypergraphs. Electronic Journal of Combinatorics, 2016, 23, .	0.4	6
34	Giant components in random graphs. The IMA Volumes in Mathematics and Its Applications, 2016, , 235-256.	0.5	0
35	â€˜The Asymptotic Number of Connected d-Uniform Hypergraphsâ€™ â€” CORRIGENDUM. Combinatorics Probability and Computing, 2015, 24, 373-375.	1.3	2
36	The Phase Transition in Multitype Binomial Random Graphs. SIAM Journal on Discrete Mathematics, 2015, 29, 1042-1064.	0.8	7

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37	How does the core sit inside the mantle?. Electronic Notes in Discrete Mathematics, 2015, 49, 489-496.	0.4	0
38	Evolution of high-order connected components in random hypergraphs. Electronic Notes in Discrete Mathematics, 2015, 49, 569-575.	0.4	4
39	Bootstrap percolation in random k -uniform hypergraphs. Electronic Notes in Discrete Mathematics, 2015, 49, 595-601.	0.4	0
40	Properties of stochastic Kronecker graphs. Electronic Journal of Combinatorics, 2015, 6, 395-432.	0.1	0
41	Local Limit Theorems for the Giant Component of Random Hypergraphs. Combinatorics Probability and Computing, 2014, 23, 331-366.	1.3	13
42	The Asymptotic Number of Connectedd-Uniform Hypergraphs. Combinatorics Probability and Computing, 2014, 23, 367-385.	1.3	6
43	On the connectivity threshold of Achlioptas processes. Electronic Journal of Combinatorics, 2014, 5, 291-304.	0.1	1
44	The Bohmanâ€Frieze process near criticality. Random Structures and Algorithms, 2013, 43, 221-250.	1.1	6
45	On the connectivity of random graphs from addable classes. Journal of Combinatorial Theory Series B, 2013, 103, 306-312.	1.0	13
46	Directed cycle double covers: hexagon graphs. , 2013, , 147-151.		1
47	Two critical periods in the evolution of random planar graphs. Transactions of the American Mathematical Society, 2012, 364, 4239-4265.	0.9	18
48	Asymptotic Study of Subcritical Graph Classes. SIAM Journal on Discrete Mathematics, 2011, 25, 1615-1651.	0.8	33
49	Boltzmann Samplers, PÃ³lya Theory, and Cycle Pointing. SIAM Journal on Computing, 2011, 40, 721-769.	1.0	23
50	Random unlabelled graphs containing few disjoint cycles. Random Structures and Algorithms, 2011, 38, 174-204.	1.1	5
51	Untangling planar graphs from a specified vertex positionâ€”Hard cases. Discrete Applied Mathematics, 2011, 159, 789-799.	0.9	9
52	Random preorders and alignments. Discrete Mathematics, 2010, 310, 591-603.	0.7	2
53	The order of the giant component of random hypergraphs. Random Structures and Algorithms, 2010, 36, 149-184.	1.1	19
54	Quasi-Randomness and Algorithmic Regularity for Graphs with General Degree Distributions. SIAM Journal on Computing, 2010, 39, 2336-2362.	1.0	23

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55	The evolution of the minâ€“min random graph process. Discrete Mathematics, 2009, 309, 4527-4544.	0.7	1
56	The enumeration of planar graphs via Wick's theorem. Advances in Mathematics, 2009, 221, 1703-1724.	1.1	2
57	Generating unlabeled connected cubic planar graphs uniformly at random. Random Structures and Algorithms, 2008, 32, 157-180.	1.1	2
58	The Critical Phase for Random Graphs with a Given Degree Sequence. Combinatorics Probability and Computing, 2008, 17, 67-86.	1.3	24
59	Enumeration and limit laws for seriesâ€“parallel graphs. European Journal of Combinatorics, 2007, 28, 2091-2105.	0.8	60
60	Evolution of random graph processes with degree constraints. Electronic Notes in Discrete Mathematics, 2007, 28, 493-500.	0.4	1
61	Random cubic planar graphs. Random Structures and Algorithms, 2007, 30, 78-94.	1.1	27
62	Phase transition of the minimum degree random multigraph process. Random Structures and Algorithms, 2007, 31, 330-353.	1.1	4
63	Generating labeled planar graphs uniformly at random. Theoretical Computer Science, 2007, 379, 377-386.	0.9	18
64	Enumeration and Asymptotic Properties of Unlabeled Outerplanar Graphs. Electronic Journal of Combinatorics, 2007, 14, .	0.4	13
65	The connectivity threshold for the min-degree random graph process. Random Structures and Algorithms, 2006, 29, 105-120.	1.1	6
66	Generating Outerplanar Graphs Uniformly at Random. Combinatorics Probability and Computing, 2006, 15, 333.	1.3	17
67	Efficiency test of pseudorandom number generators using random walks. Journal of Computational and Applied Mathematics, 2005, 174, 165-177.	2.0	1
68	Sampling Unlabeled Biconnected Planar Graphs. Lecture Notes in Computer Science, 2005, , 593-603.	1.3	3
69	Random walks on a finite graph with congestion points. Applied Mathematics and Computation, 2004, 153, 601-610.	2.2	3
70	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
71	Generating Labeled Planar Graphs Uniformly at Random. Lecture Notes in Computer Science, 2003, , 1095-1107.	1.3	9
72	Longest and shortest cycles in random planar graphs. Random Structures and Algorithms, 0, , .	1.1	1