

Yoshiharu Kohayakawa

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1360898/publications.pdf>

Version: 2024-02-01

144
papers

1,792
citations

257101

24
h-index

360668

35
g-index

147
all docs

147
docs citations

147
times ranked

446
citing authors

#	ARTICLE	IF	CITATIONS
1	OnK 4-free subgraphs of random graphs. <i>Combinatorica</i> , 1997, 17, 173-213.	0.6	89
2	Limits of permutation sequences. <i>Journal of Combinatorial Theory Series B</i> , 2013, 103, 93-113.	0.6	64
3	The Induced Size-Ramsey Number of Cycles. <i>Combinatorics Probability and Computing</i> , 1995, 4, 217-239.	0.8	60
4	Arithmetic progressions of length three in subsets of a random set. <i>Acta Arithmetica</i> , 1996, 75, 133-163.	0.2	58
5	Hypergraphs, Quasi-randomness, and Conditions for Regularity. <i>Journal of Combinatorial Theory - Series A</i> , 2002, 97, 307-352.	0.5	56
6	The Evolution of Random Subgraphs of the Cube. <i>Random Structures and Algorithms</i> , 1992, 3, 55-90.	0.6	51
7	Measures of pseudorandomness for finite sequences: typical values. <i>Proceedings of the London Mathematical Society</i> , 2007, 95, 778-812.	0.6	47
8	Weak hypergraph regularity and linear hypergraphs. <i>Journal of Combinatorial Theory Series B</i> , 2010, 100, 151-160.	0.6	45
9	Turán's Extremal Problem in Random Graphs: Forbidding Even Cycles. <i>Journal of Combinatorial Theory Series B</i> , 1995, 64, 273-287.	0.6	43
10	Finding Skew Partitions Efficiently. <i>Journal of Algorithms</i> , 2000, 37, 505-521.	0.9	43
11	Threshold functions for asymmetric Ramsey properties involving cycles. , 1997, 11, 245-276.		40
12	An Extremal Problem For Random Graphs And The Number Of Graphs With Large Even-Girth. <i>Combinatorica</i> , 1998, 18, 101-120.	0.6	35
13	Small subsets inherit sparse $\hat{\mu}$ -regularity. <i>Journal of Combinatorial Theory Series B</i> , 2007, 97, 34-56.	0.6	35
14	Regular pairs in sparse random graphs I. <i>Random Structures and Algorithms</i> , 2003, 22, 359-434.	0.6	34
15	Ramsey Games Against a One-Armed Bandit. <i>Combinatorics Probability and Computing</i> , 2003, 12, 515-545.	0.8	34
16	Turán's extremal problem in random graphs: Forbidding odd cycles. <i>Combinatorica</i> , 1996, 16, 107-122.	0.6	33
17	Sparse partition universal graphs for graphs of bounded degree. <i>Advances in Mathematics</i> , 2011, 226, 5041-5065.	0.5	33
18	The size-Ramsey number of trees. <i>Israel Journal of Mathematics</i> , 1995, 89, 261-274.	0.4	29

#	ARTICLE	IF	CITATIONS
19	An Optimal Algorithm for Checking Regularity. <i>SIAM Journal on Computing</i> , 2003, 32, 1210-1235.	0.8	29
20	Universality for bounded degree spanning trees in randomly perturbed graphs. <i>Random Structures and Algorithms</i> , 2019, 55, 854-864.	0.6	29
21	From The Cover: The hypergraph regularity method and its applications. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 8109-8113.	3.3	27
22	The size of the largest bipartite subgraphs. <i>Discrete Mathematics</i> , 1997, 177, 267-271.	0.4	26
23	Properly coloured copies and rainbow copies of large graphs with small maximum degree. <i>Random Structures and Algorithms</i> , 2012, 40, 425-436.	0.6	26
24	Invariant measures for a two-species asymmetric process. <i>Journal of Statistical Physics</i> , 1994, 76, 1153-1177.	0.5	25
25	Searching in random partially ordered sets. <i>Theoretical Computer Science</i> , 2004, 321, 41-57.	0.5	25
26	The number of Sidon sets and the maximum size of Sidon sets contained in a sparse random set of integers. <i>Random Structures and Algorithms</i> , 2015, 46, 1-25.	0.6	25
27	Induced Ramsey Numbers. <i>Combinatorica</i> , 1998, 18, 373-404.	0.6	24
28	The Turn Theorem for Random Graphs. <i>Combinatorics Probability and Computing</i> , 2004, 13, 61-91.	0.8	23
29	The chromatic thresholds of graphs. <i>Advances in Mathematics</i> , 2013, 235, 261-295.	0.5	23
30	Multidimensional Cube Packing. <i>Algorithmica</i> , 2004, 40, 173-187.	1.0	21
31	Measures of Pseudorandomness for Finite Sequences: Minimal Values. <i>Combinatorics Probability and Computing</i> , 2006, 15, 1.	0.8	21
32	On the Resilience of Long Cycles in Random Graphs. <i>Electronic Journal of Combinatorics</i> , 2008, 15, .	0.2	21
33	Partitioning by Monochromatic Trees. <i>Journal of Combinatorial Theory Series B</i> , 1996, 68, 218-222.	0.6	20
34	A Practical Minimal Perfect Hashing Method. <i>Lecture Notes in Computer Science</i> , 2005, , 488-500.	1.0	20
35	Powers of tight Hamilton cycles in randomly perturbed hypergraphs. <i>Random Structures and Algorithms</i> , 2019, 55, 795-807.	0.6	20
36	Packing and Covering Triangles in Tripartite Graphs. <i>Graphs and Combinatorics</i> , 1998, 14, 1-10.	0.2	19

#	ARTICLE	IF	CITATIONS
37	The maximum size of a non-trivial intersecting uniform family that is not a subfamily of the Hilton–Milner family. <i>Proceedings of the American Mathematical Society</i> , 2016, 145, 73-87.	0.4	19
38	Testing permutation properties through subpermutations. <i>Theoretical Computer Science</i> , 2011, 412, 3555-3567.	0.5	18
39	Edge-colorings of graphs avoiding fixed monochromatic subgraphs with linear Turán number. <i>European Journal of Combinatorics</i> , 2014, 35, 354-373.	0.5	18
40	The 3-colored Ramsey number of odd cycles. <i>Electronic Notes in Discrete Mathematics</i> , 2005, 19, 397-402.	0.4	17
41	Efficient Testing of Hypergraphs. <i>Lecture Notes in Computer Science</i> , 2002, , 1017-1028.	1.0	17
42	An extension of the Erdős-Stone theorem. <i>Combinatorica</i> , 1994, 14, 279-286.	0.6	16
43	Hereditary Properties of Triple Systems. <i>Combinatorics Probability and Computing</i> , 2003, 12, .	0.8	15
44	Near-optimum Universal Graphs for Graphs with Bounded Degrees. <i>Lecture Notes in Computer Science</i> , 2001, , 170-180.	1.0	15
45	Hypergraphs with many Kneser colorings. <i>European Journal of Combinatorics</i> , 2012, 33, 816-843.	0.5	14
46	Almost Spanning Subgraphs of Random Graphs After Adversarial Edge Removal. <i>Combinatorics Probability and Computing</i> , 2013, 22, 639-683.	0.8	14
47	Ramsey properties of orientations of graphs. <i>Random Structures and Algorithms</i> , 1993, 4, 413-428.	0.6	13
48	Edge Colourings of Graphs Avoiding Monochromatic Matchings of a Given Size. <i>Combinatorics Probability and Computing</i> , 2012, 21, 203-218.	0.8	13
49	On an anti-Ramsey threshold for random graphs. <i>European Journal of Combinatorics</i> , 2014, 40, 26-41.	0.5	13
50	The size–Ramsey number of powers of paths. <i>Journal of Graph Theory</i> , 2019, 91, 290-299.	0.5	13
51	The multicolour size-Ramsey number of powers of paths. <i>Journal of Combinatorial Theory Series B</i> , 2020, 145, 359-375.	0.6	12
52	Upper bounds on probability thresholds for asymmetric Ramsey properties. <i>Random Structures and Algorithms</i> , 2014, 44, 1-28.	0.6	11
53	Tight Hamilton cycles in random hypergraphs. <i>Random Structures and Algorithms</i> , 2015, 46, 446-465.	0.6	11
54	Powers of Hamilton cycles in pseudorandom graphs. <i>Combinatorica</i> , 2017, 37, 573-616.	0.6	11

#	ARTICLE	IF	CITATIONS
55	Percolation in High Dimensions. <i>European Journal of Combinatorics</i> , 1994, 15, 113-125.	0.5	10
56	A note on the Size-Ramsey number of long subdivisions of graphs. <i>RAIRO - Theoretical Informatics and Applications</i> , 2005, 39, 191-206.	0.5	10
57	On an anti-Ramsey threshold for sparse graphs with one triangle. <i>Journal of Graph Theory</i> , 2018, 87, 176-187.	0.5	10
58	On the diameter and radius of random subgraphs of the cube. <i>Random Structures and Algorithms</i> , 1994, 5, 627-648.	0.6	9
59	Ramsey minimal graphs. <i>Journal of the Brazilian Computer Society</i> , 2001, 7, 27-37.	0.8	9
60	Embedding graphs with bounded degree in sparse pseudorandom graphs. <i>Israel Journal of Mathematics</i> , 2004, 139, 93-137.	0.4	9
61	An Extension of the Blow-up Lemma to Arrangeable Graphs. <i>SIAM Journal on Discrete Mathematics</i> , 2015, 29, 962-1001.	0.4	9
62	Connectivity properties of random subgraphs of the cube. <i>Random Structures and Algorithms</i> , 1995, 6, 221-230.	0.6	8
63	The length of random subsets of Boolean lattices. <i>Random Structures and Algorithms</i> , 2000, 16, 177-194.	0.6	8
64	Turán's theorem for pseudo-random graphs. <i>Journal of Combinatorial Theory - Series A</i> , 2007, 114, 631-657.	0.5	8
65	An improved upper bound on the density of universal random graphs. <i>Random Structures and Algorithms</i> , 2015, 46, 274-299.	0.6	8
66	On the Number of $B_{h,k}$ -Sets. <i>Combinatorics Probability and Computing</i> , 2016, 25, 108-129.	0.8	8
67	Universality of Random Graphs. <i>SIAM Journal on Discrete Mathematics</i> , 2012, 26, 353-374.	0.4	7
68	Infinite Sidon Sets Contained in Sparse Random Sets of Integers. <i>SIAM Journal on Discrete Mathematics</i> , 2018, 32, 410-449.	0.4	7
69	The size Ramsey number of short subdivisions of bounded degree graphs. <i>Random Structures and Algorithms</i> , 2019, 54, 304-339.	0.6	7
70	On an anti-Ramsey property of Ramanujan graphs. <i>Random Structures and Algorithms</i> , 1995, 6, 417-431.	0.6	6
71	Densities in large permutations and parameter testing. <i>European Journal of Combinatorics</i> , 2017, 60, 89-99.	0.5	6
72	Near-perfect clique-factors in sparse pseudorandom graphs. <i>Electronic Notes in Discrete Mathematics</i> , 2018, 68, 221-226.	0.4	6

#	ARTICLE	IF	CITATIONS
73	Clique-factors in sparse pseudorandom graphs. <i>European Journal of Combinatorics</i> , 2019, 82, 102999.	0.5	6
74	Monochromatic trees in random graphs. <i>Mathematical Proceedings of the Cambridge Philosophical Society</i> , 2019, 166, 191-208.	0.3	6
75	The size of Ramsey number of powers of bounded degree trees. <i>Journal of the London Mathematical Society</i> , 2021, 103, 1314-1332.	0.5	6
76	Distance Graphs on the Integers. <i>Combinatorics Probability and Computing</i> , 2005, 14, 107-131.	0.8	5
77	Almost spanning subgraphs of random graphs after adversarial edge removal. <i>Electronic Notes in Discrete Mathematics</i> , 2009, 35, 335-340.	0.4	5
78	Edge-colorings of uniform hypergraphs avoiding monochromatic matchings. <i>Discrete Mathematics</i> , 2015, 338, 262-271.	0.4	5
79	Discrepancy and eigenvalues of Cayley graphs. <i>Czechoslovak Mathematical Journal</i> , 2016, 66, 941-954.	0.3	5
80	An Algorithmic Friedman–Pippenger Theorem on Tree Embeddings and Applications. <i>Electronic Journal of Combinatorics</i> , 2008, 15, .	0.2	5
81	The Width of Random Subsets of Boolean Lattices. <i>Journal of Combinatorial Theory - Series A</i> , 2002, 100, 376-386.	0.5	4
82	Special Issue on Ramsey Theory. <i>Combinatorics Probability and Computing</i> , 2003, 12, 467-467.	0.8	4
83	The number of B_3 -sets of a given cardinality. <i>Journal of Combinatorial Theory - Series A</i> , 2016, 142, 44-76.	0.5	4
84	The number of B_h -sets of a given cardinality. <i>Proceedings of the London Mathematical Society</i> , 2018, 116, 629-669.	0.6	4
85	On The Triangle Removal Lemma For Subgraphs of Sparse Pseudorandom Graphs. <i>Bolyai Society Mathematical Studies</i> , 2010, , 359-404.	0.3	4
86	An Improved Upper Bound on the Density of Universal Random Graphs. <i>Lecture Notes in Computer Science</i> , 2012, , 231-242.	1.0	4
87	JumpNet: Improving Connectivity and Robustness in Unstructured P2P Networks by Randomness. <i>Internet Mathematics</i> , 2008, 5, 227-250.	0.7	3
88	Kneser Colorings of Uniform Hypergraphs. <i>Electronic Notes in Discrete Mathematics</i> , 2009, 34, 219-223.	0.4	3
89	A note on permutation regularity. <i>Discrete Applied Mathematics</i> , 2012, 160, 2716-2727.	0.5	3
90	A note on supersaturated set systems. <i>European Journal of Combinatorics</i> , 2016, 51, 190-199.	0.5	3

#	ARTICLE	IF	CITATIONS
91	Counting restricted orientations of random graphs. <i>Random Structures and Algorithms</i> , 2020, 56, 1016-1030.	0.6	3
92	Factors in randomly perturbed hypergraphs. <i>Random Structures and Algorithms</i> , 2022, 60, 153-165.	0.6	3
93	Property testing and parameter testing for permutations. , 2010, , .		3
94	A Note on Kernels of Intersecting Families. <i>European Journal of Combinatorics</i> , 1990, 11, 155-164.	0.5	2
95	Ramsey-type results for oriented trees. <i>Journal of Graph Theory</i> , 1996, 22, 1-8.	0.5	2
96	Essentially Infinite Colourings of Graphs. <i>Journal of the London Mathematical Society</i> , 2000, 61, 658-670.	0.5	2
97	Essentially infinite colourings of hypergraphs. <i>Proceedings of the London Mathematical Society</i> , 2007, 95, 709-734.	0.6	2
98	Estimating the distance to a hereditary graph property. <i>Electronic Notes in Discrete Mathematics</i> , 2017, 61, 607-613.	0.4	2
99	Counting results for sparse pseudorandom hypergraphs II. <i>European Journal of Combinatorics</i> , 2017, 65, 288-301.	0.5	2
100	Counting results for sparse pseudorandom hypergraphs I. <i>European Journal of Combinatorics</i> , 2017, 65, 276-287.	0.5	2
101	On hypergraphs without loose cycles. <i>Discrete Mathematics</i> , 2018, 341, 946-949.	0.4	2
102	Extremal and probabilistic results for order types. , 2019, , 426-435.		2
103	Estimating parameters associated with monotone properties. <i>Combinatorics Probability and Computing</i> , 2020, 29, 616-632.	0.8	2
104	Querying Priced Information in Databases: The Conjunctive Case. <i>Lecture Notes in Computer Science</i> , 2004, , 6-15.	1.0	2
105	The maximum size of a Sidon set contained in a sparse random set of integers. , 2011, , .		2
106	The odd chromatic index of almost all graphs. , 0, , .		2
107	Searching in Random Partially Ordered Sets. <i>Lecture Notes in Computer Science</i> , 2002, , 278-292.	1.0	2
108	Near-perfect clique-factors in sparse pseudorandom graphs. <i>Combinatorics Probability and Computing</i> , 2021, 30, 570-590.	0.8	2

#	ARTICLE	IF	CITATIONS
109	A note on induced cycles in Kneser graphs. <i>Combinatorica</i> , 1991, 11, 245-251.	0.6	1
110	Sparse Anti-Ramsey Graphs. <i>Journal of Combinatorial Theory Series B</i> , 1995, 63, 146-152.	0.6	1
111	Querying priced information in databases. <i>ACM Transactions on Algorithms</i> , 2007, 3, 1-22.	0.9	1
112	A note on permutation regularity. <i>Electronic Notes in Discrete Mathematics</i> , 2009, 35, 183-188.	0.4	1
113	Edge colorings of graphs avoiding some fixed monochromatic subgraph with linear Turán number. <i>Electronic Notes in Discrete Mathematics</i> , 2011, 38, 469-474.	0.4	1
114	A note on counting orientations. <i>Electronic Notes in Discrete Mathematics</i> , 2011, 37, 3-8.	0.4	1
115	On an anti-Ramsey property of random graphs. <i>Electronic Notes in Discrete Mathematics</i> , 2011, 37, 237-242.	0.4	1
116	Monochromatic trees in random graphs. <i>Electronic Notes in Discrete Mathematics</i> , 2017, 61, 759-764.	0.4	1
117	Chromatic thresholds in dense random graphs. <i>Random Structures and Algorithms</i> , 2017, 51, 185-214.	0.6	1
118	A Tight Lower Bound for an Online Hypercube Packing Problem and Bounds for Prices of Anarchy of a Related Game. <i>Lecture Notes in Computer Science</i> , 2018, , 697-711.	1.0	1
119	Finding any given factor in sparse pseudorandom graphs efficiently. <i>Journal of Graph Theory</i> , 2021, 96, 87-108.	0.5	1
120	On strong Sidon sets of integers. <i>Journal of Combinatorial Theory - Series A</i> , 2021, 183, 105490.	0.5	1
121	Covering 3-Edge-Colored Random Graphs with Monochromatic Trees. <i>SIAM Journal on Discrete Mathematics</i> , 2021, 35, 1447-1459.	0.4	1
122	Algorithmic Aspects of Regularity. <i>Lecture Notes in Computer Science</i> , 2000, , 1-17.	1.0	1
123	On small graphs with highly imperfect powers. <i>Discrete Mathematics</i> , 1992, 104, 245-261.	0.4	0
124	Bounds for Optimal Coverings. <i>Electronic Notes in Discrete Mathematics</i> , 2001, 7, 62-65.	0.4	0
125	Bounds for optimal coverings. <i>Discrete Applied Mathematics</i> , 2004, 141, 263-276.	0.5	0
126	Every hereditary permutation property is testable. <i>Electronic Notes in Discrete Mathematics</i> , 2011, 38, 123-128.	0.4	0

#	ARTICLE	IF	CITATIONS
127	A note on random k -dimensional posets. <i>Electronic Notes in Discrete Mathematics</i> , 2011, 37, 51-56.	0.4	0
128	An approximate blow-up lemma for sparse pseudorandom graphs. <i>Electronic Notes in Discrete Mathematics</i> , 2013, 44, 393-398.	0.4	0
129	Triangle-Free Subgraphs of Random Graphs. <i>Electronic Notes in Discrete Mathematics</i> , 2015, 49, 393-397.	0.4	0
130	A counting lemma for sparse pseudorandom hypergraphs. <i>Electronic Notes in Discrete Mathematics</i> , 2015, 50, 421-426.	0.4	0
131	On the number of r -transitive orientations of $G(n,p)$. <i>Electronic Notes in Discrete Mathematics</i> , 2017, 61, 255-261.	0.4	0
132	Chromatic thresholds in sparse random graphs. <i>Random Structures and Algorithms</i> , 2017, 51, 215-236.	0.6	0
133	Property Testing for Point Sets on the Plane. <i>Lecture Notes in Computer Science</i> , 2018, , 584-596.	1.0	0
134	Triangle-Free Subgraphs of Random Graphs. <i>Combinatorics Probability and Computing</i> , 2018, 27, 141-161.	0.8	0
135	On the Query Complexity of Estimating the Distance to Hereditary Graph Properties. <i>SIAM Journal on Discrete Mathematics</i> , 2021, 35, 1238-1251.	0.4	0
136	Finding Skew Partitions Efficiently. <i>Lecture Notes in Computer Science</i> , 2000, , 163-172.	1.0	0
137	Advances in the Regularity Method. <i>Lecture Notes in Computer Science</i> , 2004, , 2-2.	1.0	0
138	An Unstable Hypergraph Problem with a Unique Optimal Solution. <i>Lecture Notes in Computer Science</i> , 2013, , 432-450.	1.0	0
139	Powers of Hamilton Cycles in Pseudorandom Graphs. <i>Lecture Notes in Computer Science</i> , 2014, , 355-366.	1.0	0
140	A perspective on theoretical computer science in Latin America. <i>Communications of the ACM</i> , 2020, 63, 102-107.	3.3	0
141	Orientation Ramsey Thresholds for Cycles and Cliques. <i>SIAM Journal on Discrete Mathematics</i> , 2021, 35, 2844-2857.	0.4	0
142	Constrained colourings of random graphs. <i>Procedia Computer Science</i> , 2021, 195, 368-375.	1.2	0
143	Hitting times for arc-disjoint arborescences in random digraph processes. <i>Procedia Computer Science</i> , 2021, 195, 376-384.	1.2	0
144	Opening Note: The Golden Jubilee of the Institute of Mathematics and Statistics of the University of São Paulo. <i>Sao Paulo Journal of Mathematical Sciences</i> , 0, , 1.	0.2	0