# Yoshiharu Kohayakawa

List of Publications by Year
in descending order

| | | | |
|---|---|---|---|
| 144<br>papers | 1,792<br>citations | 257101<br>24<br>h-index | 360668<br>35<br>g-index |
| 147<br>all docs | 147<br>docs citations | 147<br>times ranked | 446<br>citing authors |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | Factors in randomly perturbed hypergraphs. Random Structures and Algorithms, 2022, 60, 153-165. | 0.6 | 3 |
| 2 | Finding any given 2-factor in sparse pseudorandom graphs efficiently. Journal of Graph Theory, 2021, 96, 87-108. | 0.5 | 1 |
| 3 | On the Query Complexity of Estimating the Distance to Hereditary Graph Properties. SIAM Journal on Discrete Mathematics, 2021, 35, 1238-1251. | 0.4 | 0 |
| 4 | On strong Sidon sets of integers. Journal of Combinatorial Theory - Series A, 2021, 183, 105490. | 0.5 | 1 |
| 5 | Covering 3-Edge-Colored Random Graphs with Monochromatic Trees. SIAM Journal on Discrete Mathematics, 2021, 35, 1447-1459. | 0.4 | 1 |
| 6 | Near-perfect clique-factors in sparse pseudorandom graphs. Combinatorics Probability and Computing, 2021, 30, 570-590. | 0.8 | 2 |
| 7 | The size-Ramsey number of powers of bounded degree trees. Journal of the London Mathematical Society, 2021, 103, 1314-1332. | 0.5 | 6 |
| 8 | Orientation Ramsey Thresholds for Cycles and Cliques. SIAM Journal on Discrete Mathematics, 2021, 35, 2844-2857. | 0.4 | 0 |
| 9 | Constrained colourings of random graphs. Procedia Computer Science, 2021, 195, 368-375. | 1.2 | 0 |
| 10 | Hitting times for arc-disjoint arborescences in random digraph processes. Procedia Computer Science, 2021, 195, 376-384. | 1.2 | 0 |
| 11 | The multicolour size-Ramsey number of powers of paths. Journal of Combinatorial Theory Series B, 2020, 145, 359-375. | 0.6 | 12 |
| 12 | Estimating parameters associated with monotone properties. Combinatorics Probability and Computing, 2020, 29, 616-632. | 0.8 | 2 |
| 13 | Counting restricted orientations of random graphs. Random Structures and Algorithms, 2020, 56, 1016-1030. | 0.6 | 3 |
| 14 | A perspective on theoretical computer science in Latin America. Communications of the ACM, 2020, 63, 102-107. | 3.3 | 0 |
| 15 | The size Ramsey number of short subdivisions of bounded degree graphs. Random Structures and Algorithms, 2019, 54, 304-339. | 0.6 | 7 |
| 16 | Powers of tight Hamilton cycles in randomly perturbed hypergraphs. Random Structures and Algorithms, 2019, 55, 795-807. | 0.6 | 20 |
| 17 | Clique-factors in sparse pseudorandom graphs. European Journal of Combinatorics, 2019, 82, 102999. | 0.5 | 6 |
| 18 | Extremal and probabilistic results for order types. , 2019, , 426-435. | | 2 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 19 | Universality for bounded degree spanning trees in randomly perturbed graphs. Random Structures and Algorithms, 2019, 55, 854-864. | 0.6 | 29 |
| 20 | The size–Ramsey number of powers of paths. Journal of Graph Theory, 2019, 91, 290-299. | 0.5 | 13 |
| 21 | Monochromatic trees in random graphs. Mathematical Proceedings of the Cambridge Philosophical Society, 2019, 166, 191-208. | 0.3 | 6 |
| 22 | Property Testing for Point Sets on the Plane. Lecture Notes in Computer Science, 2018, , 584-596. | 1.0 | 0 |
| 23 | Infinite Sidon Sets Contained in Sparse Random Sets of Integers. SIAM Journal on Discrete Mathematics, 2018, 32, 410-449. | 0.4 | 7 |
| 24 | On an anti–Ramsey threshold for sparse graphs with one triangle. Journal of Graph Theory, 2018, 87, 176-187. | 0.5 | 10 |
| 25 | Triangle-Free Subgraphs of Random Graphs. Combinatorics Probability and Computing, 2018, 27, 141-161. | 0.8 | 0 |
| 26 | Near-perfect clique-factors in sparse pseudorandom graphs. Electronic Notes in Discrete Mathematics, 2018, 68, 221-226. | 0.4 | 6 |
| 27 | A Tight Lower Bound for an Online Hypercube Packing Problem and Bounds for Prices of Anarchy of a Related Game. Lecture Notes in Computer Science, 2018, , 697-711. | 1.0 | 1 |
| 28 | On hypergraphs without loose cycles. Discrete Mathematics, 2018, 341, 946-949. | 0.4 | 2 |
| 29 | The number of Bh–sets of a given cardinality. Proceedings of the London Mathematical Society, 2018, 116, 629-669. | 0.6 | 4 |
| 30 | Densities in large permutations and parameter testing. European Journal of Combinatorics, 2017, 60, 89-99. | 0.5 | 6 |
| 31 | Powers of Hamilton cycles in pseudorandom graphs. Combinatorica, 2017, 37, 573-616. | 0.6 | 11 |
| 32 | Monochromatic trees in random graphs. Electronic Notes in Discrete Mathematics, 2017, 61, 759-764. | 0.4 | 1 |
| 33 | On the number of r-transitive orientations of G(n,p). Electronic Notes in Discrete Mathematics, 2017, 61, 255-261. | 0.4 | 0 |
| 34 | Estimating the distance to a hereditary graph property. Electronic Notes in Discrete Mathematics, 2017, 61, 607-613. | 0.4 | 2 |
| 35 | Counting results for sparse pseudorandom hypergraphs II. European Journal of Combinatorics, 2017, 65, 288-301. | 0.5 | 2 |
| 36 | Counting results for sparse pseudorandom hypergraphs I. European Journal of Combinatorics, 2017, 65, 276-287. | 0.5 | 2 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 37 | Chromatic thresholds in sparse random graphs. Random Structures and Algorithms, 2017, 51, 215-236. | 0.6 | 0 |
| 38 | Chromatic thresholds in dense random graphs. Random Structures and Algorithms, 2017, 51, 185-214. | 0.6 | 1 |
| 39 | The maximum size of a non-trivial intersecting uniform family that is not a subfamily of the Hiltonâ€"Milner family. Proceedings of the American Mathematical Society, 2016, 145, 73-87. | 0.4 | 19 |
| 40 | On the Number of $B_h$-Sets. Combinatorics Probability and Computing, 2016, 25, 108-129. | 0.8 | 8 |
| 41 | The number of B3-sets of a given cardinality. Journal of Combinatorial Theory - Series A, 2016, 142, 44-76. | 0.5 | 4 |
| 42 | Discrepancy and eigenvalues of Cayley graphs. Czechoslovak Mathematical Journal, 2016, 66, 941-954. | 0.3 | 5 |
| 43 | A note on supersaturated set systems. European Journal of Combinatorics, 2016, 51, 190-199. | 0.5 | 3 |
| 44 | An Extension of the Blow-up Lemma to Arrangeable Graphs. SIAM Journal on Discrete Mathematics, 2015, 29, 962-1001. | 0.4 | 9 |
| 45 | Tight Hamilton cycles in random hypergraphs. Random Structures and Algorithms, 2015, 46, 446-465. | 0.6 | 11 |
| 46 | An improved upper bound on the density of universal random graphs. Random Structures and Algorithms, 2015, 46, 274-299. | 0.6 | 8 |
| 47 | Triangle-Free Subgraphs of Random Graphs. Electronic Notes in Discrete Mathematics, 2015, 49, 393-397. | 0.4 | 0 |
| 48 | A counting lemma for sparse pseudorandom hypergraphs. Electronic Notes in Discrete Mathematics, 2015, 50, 421-426. | 0.4 | 0 |
| 49 | The number of Sidon sets and the maximum size of Sidon sets contained in a sparse random set of integers. Random Structures and Algorithms, 2015, 46, 1-25. | 0.6 | 25 |
| 50 | Edge-colorings of uniform hypergraphs avoiding monochromatic matchings. Discrete Mathematics, 2015, 338, 262-271. | 0.4 | 5 |
| 51 | Upper bounds on probability thresholds for asymmetric Ramsey properties. Random Structures and Algorithms, 2014, 44, 1-28. | 0.6 | 11 |
| 52 | On an anti-Ramsey threshold for random graphs. European Journal of Combinatorics, 2014, 40, 26-41. | 0.5 | 13 |
| 53 | Edge-colorings of graphs avoiding fixed monochromatic subgraphs with linear TurÃ¡n number. European Journal of Combinatorics, 2014, 35, 354-373. | 0.5 | 18 |
| 54 | Powers of Hamilton Cycles in Pseudorandom Graphs. Lecture Notes in Computer Science, 2014, , 355-366. | 1.0 | 0 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 55 | An approximate blow-up lemma for sparse pseudorandom graphs. Electronic Notes in Discrete Mathematics, 2013, 44, 393-398. | 0.4 | 0 |
| 56 | The chromatic thresholds of graphs. Advances in Mathematics, 2013, 235, 261-295. | 0.5 | 23 |
| 57 | Limits of permutation sequences. Journal of Combinatorial Theory Series B, 2013, 103, 93-113. | 0.6 | 64 |
| 58 | Almost Spanning Subgraphs of Random Graphs After Adversarial Edge Removal. Combinatorics Probability and Computing, 2013, 22, 639-683. | 0.8 | 14 |
| 59 | An Unstable Hypergraph Problem with a Unique Optimal Solution. Lecture Notes in Computer Science, 2013, , 432-450. | 1.0 | 0 |
| 60 | Edge Colourings of Graphs Avoiding Monochromatic Matchings of a Given Size. Combinatorics Probability and Computing, 2012, 21, 203-218. | 0.8 | 13 |
| 61 | Universality of Random Graphs. SIAM Journal on Discrete Mathematics, 2012, 26, 353-374. | 0.4 | 7 |
| 62 | A note on permutation regularity. Discrete Applied Mathematics, 2012, 160, 2716-2727. | 0.5 | 3 |
| 63 | Properly coloured copies and rainbow copies of large graphs with small maximum degree. Random Structures and Algorithms, 2012, 40, 425-436. | 0.6 | 26 |
| 64 | Hypergraphs with many Kneser colorings. European Journal of Combinatorics, 2012, 33, 816-843. | 0.5 | 14 |
| 65 | An Improved Upper Bound on the Density of Universal Random Graphs. Lecture Notes in Computer Science, 2012, , 231-242. | 1.0 | 4 |
| 66 | Every hereditary permutation property is testable. Electronic Notes in Discrete Mathematics, 2011, 38, 123-128. | 0.4 | 0 |
| 67 | Edge colorings of graphs avoiding some fixed monochromatic subgraph with linear Turán number. Electronic Notes in Discrete Mathematics, 2011, 38, 469-474. | 0.4 | 1 |
| 68 | A note on random k-dimensional posets. Electronic Notes in Discrete Mathematics, 2011, 37, 51-56. | 0.4 | 0 |
| 69 | Sparse partition universal graphs for graphs of bounded degree. Advances in Mathematics, 2011, 226, 5041-5065. | 0.5 | 33 |
| 70 | A note on counting orientations. Electronic Notes in Discrete Mathematics, 2011, 37, 3-8. | 0.4 | 1 |
| 71 | On an anti-Ramsey property of random graphs. Electronic Notes in Discrete Mathematics, 2011, 37, 237-242. | 0.4 | 1 |
| 72 | Testing permutation properties through subpermutations. Theoretical Computer Science, 2011, 412, 3555-3567. | 0.5 | 18 |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 73 | The maximum size of a Sidon set contained in a sparse random set of integers. , 2011, , . | | 2 |
| 74 | Weak hypergraph regularity and linear hypergraphs. Journal of Combinatorial Theory Series B, 2010, 100, 151-160. | 0.6 | 45 |
| 75 | On The Triangle Removal Lemma For Subgraphs of Sparse Pseudorandom Graphs. Bolyai Society Mathematical Studies, 2010, , 359-404. | 0.3 | 4 |
| 76 | Property testing and parameter testing for permutations. , 2010, , . | | 3 |
| 77 | A note on permutation regularity. Electronic Notes in Discrete Mathematics, 2009, 35, 183-188. | 0.4 | 1 |
| 78 | Almost spanning subgraphs of random graphs after adversarial edge removal. Electronic Notes in Discrete Mathematics, 2009, 35, 335-340. | 0.4 | 5 |
| 79 | Kneser Colorings of Uniform Hypergraphs. Electronic Notes in Discrete Mathematics, 2009, 34, 219-223. | 0.4 | 3 |
| 80 | JumpNet: Improving Connectivity and Robustness in Unstructured P2P Networks by Randomness. Internet Mathematics, 2008, 5, 227-250. | 0.7 | 3 |
| 81 | On the Resilience of Long Cycles in Random Graphs. Electronic Journal of Combinatorics, 2008, 15, . | 0.2 | 21 |
| 82 | An Algorithmic Friedman&amp;ndash;Pippenger Theorem on Tree Embeddings and Applications. Electronic Journal of Combinatorics, 2008, 15, . | 0.2 | 5 |
| 83 | Essentially infinite colourings of hypergraphs. Proceedings of the London Mathematical Society, 2007, 95, 709-734. | 0.6 | 2 |
| 84 | Querying priced information in databases. ACM Transactions on Algorithms, 2007, 3, 1-22. | 0.9 | 1 |
| 85 | Measures of pseudorandomness for finite sequences: typical values. Proceedings of the London Mathematical Society, 2007, 95, 778-812. | 0.6 | 47 |
| 86 | Small subsets inherit sparse Îµ-regularity. Journal of Combinatorial Theory Series B, 2007, 97, 34-56. | 0.6 | 35 |
| 87 | TurÃ¡n's theorem for pseudo-random graphs. Journal of Combinatorial Theory - Series A, 2007, 114, 631-657. | 0.5 | 8 |
| 88 | Measures of Pseudorandomness for Finite Sequences: Minimal Values. Combinatorics Probability and Computing, 2006, 15, 1. | 0.8 | 21 |
| 89 | A note on the Size-Ramsey number of long subdivisions of graphs. RAIRO - Theoretical Informatics and Applications, 2005, 39, 191-206. | 0.5 | 10 |
| 90 | The 3-colored Ramsey number of odd cycles. Electronic Notes in Discrete Mathematics, 2005, 19, 397-402. | 0.4 | 17 |

| # | Article | IF | Citations |
|---|---------|----|-----------| 
| 91 | Distance Graphs on the Integers. Combinatorics Probability and Computing, 2005, 14, 107-131. | 0.8 | 5 |
| 92 | From The Cover: The hypergraph regularity method and its applications. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 8109-8113. | 3.3 | 27 |
| 93 | A Practical Minimal Perfect Hashing Method. Lecture Notes in Computer Science, 2005, , 488-500. | 1.0 | 20 |
| 94 | Multidimensional Cube Packing. Algorithmica, 2004, 40, 173-187. | 1.0 | 21 |
| 95 | Embedding graphs with bounded degree in sparse pseudorandom graphs. Israel Journal of Mathematics, 2004, 139, 93-137. | 0.4 | 9 |
| 96 | Bounds for optimal coverings. Discrete Applied Mathematics, 2004, 141, 263-276. | 0.5 | 0 |
| 97 | Searching in random partially ordered sets. Theoretical Computer Science, 2004, 321, 41-57. | 0.5 | 25 |
| 98 | The Turn Theorem for Random Graphs. Combinatorics Probability and Computing, 2004, 13, 61-91. | 0.8 | 23 |
| 99 | Querying Priced Information in Databases: The Conjunctive Case. Lecture Notes in Computer Science, 2004, , 6-15. | 1.0 | 2 |
| 100 | Advances in the Regularity Method. Lecture Notes in Computer Science, 2004, , 2-2. | 1.0 | 0 |
| 101 | Regular pairs in sparse random graphs I. Random Structures and Algorithms, 2003, 22, 359-434. | 0.6 | 34 |
| 102 | An Optimal Algorithm for Checking Regularity. SIAM Journal on Computing, 2003, 32, 1210-1235. | 0.8 | 29 |
| 103 | Hereditary Properties of Triple Systems. Combinatorics Probability and Computing, 2003, 12, . | 0.8 | 15 |
| 104 | Special Issue on Ramsey Theory. Combinatorics Probability and Computing, 2003, 12, 467-467. | 0.8 | 4 |
| 105 | Ramsey Games Against a One-Armed Bandit. Combinatorics Probability and Computing, 2003, 12, 515-545. | 0.8 | 34 |
| 106 | Hypergraphs, Quasi-randomness, and Conditions for Regularity. Journal of Combinatorial Theory - Series A, 2002, 97, 307-352. | 0.5 | 56 |
| 107 | The Width of Random Subsets of Boolean Lattices. Journal of Combinatorial Theory - Series A, 2002, 100, 376-386. | 0.5 | 4 |
| 108 | Efficient Testing of Hypergraphs. Lecture Notes in Computer Science, 2002, , 1017-1028. | 1.0 | 17 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 109 | Searching in Random Partially Ordered Sets. Lecture Notes in Computer Science, 2002, , 278-292. | 1.0 | 2 |
| 110 | Ramsey minimal graphs. Journal of the Brazilian Computer Society, 2001, 7, 27-37. | 0.8 | 9 |
| 111 | Bounds for Optimal Coverings. Electronic Notes in Discrete Mathematics, 2001, 7, 62-65. | 0.4 | 0 |
| 112 | Near-optimum Universal Graphs for Graphs with Bounded Degrees. Lecture Notes in Computer Science, 2001, , 170-180. | 1.0 | 15 |
| 113 | The length of random subsets of Boolean lattices. Random Structures and Algorithms, 2000, 16, 177-194. | 0.6 | 8 |
| 114 | Finding Skew Partitions Efficiently. Journal of Algorithms, 2000, 37, 505-521. | 0.9 | 43 |
| 115 | Essentially Infinite Colourings of Graphs. Journal of the London Mathematical Society, 2000, 61, 658-670. | 0.5 | 2 |
| 116 | Algorithmic Aspects of Regularity. Lecture Notes in Computer Science, 2000, , 1-17. | 1.0 | 1 |
| 117 | Finding Skew Partitions Efficiently. Lecture Notes in Computer Science, 2000, , 163-172. | 1.0 | 0 |
| 118 | Packing and Covering Triangles in Tripartite Graphs. Graphs and Combinatorics, 1998, 14, 1-10. | 0.2 | 19 |
| 119 | An Extremal Problem For Random Graphs And The Number Of Graphs With Large Even-Girth. Combinatorica, 1998, 18, 101-120. | 0.6 | 35 |
| 120 | Induced Ramsey Numbers. Combinatorica, 1998, 18, 373-404. | 0.6 | 24 |
| 121 | The size of the largest bipartite subgraphs. Discrete Mathematics, 1997, 177, 267-271. | 0.4 | 26 |
| 122 | OnK 4-free subgraphs of random graphs. Combinatorica, 1997, 17, 173-213. | 0.6 | 89 |
| 123 | Threshold functions for asymmetric Ramsey properties involving cycles. , 1997, 11, 245-276. | | 40 |
| 124 | Turï¿½n's extremal problem in random graphs: Forbidding odd cycles. Combinatorica, 1996, 16, 107-122. | 0.6 | 33 |
| 125 | Ramsey-type results for oriented trees. Journal of Graph Theory, 1996, 22, 1-8. | 0.5 | 2 |
| 126 | Partitioning by Monochromatic Trees. Journal of Combinatorial Theory Series B, 1996, 68, 218-222. | 0.6 | 20 |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 127 | Arithmetic progressions of length three in subsets of a random set. Acta Arithmetica, 1996, 75, 133-163. | 0.2 | 58 |
| 128 | The Induced Size-Ramsey Number of Cycles. Combinatorics Probability and Computing, 1995, 4, 217-239. | 0.8 | 60 |
| 129 | Sparse Anti-Ramsey Graphs. Journal of Combinatorial Theory Series B, 1995, 63, 146-152. | 0.6 | 1 |
| 130 | Turán's Extremal Problem in Random Graphs: Forbidding Even Cycles. Journal of Combinatorial Theory Series B, 1995, 64, 273-287. | 0.6 | 43 |
| 131 | Connectivity properties of random subgraphs of the cube. Random Structures and Algorithms, 1995, 6, 221-230. | 0.6 | 8 |
| 132 | On an anti-Ramsey property of Ramanujan graphs. Random Structures and Algorithms, 1995, 6, 417-431. | 0.6 | 6 |
| 133 | The size-Ramsey number of trees. Israel Journal of Mathematics, 1995, 89, 261-274. | 0.4 | 29 |
| 134 | Invariant measures for a two-species asymmetric process. Journal of Statistical Physics, 1994, 76, 1153-1177. | 0.5 | 25 |
| 135 | On the diameter and radius of randon subgraphs of the cube. Random Structures and Algorithms, 1994, 5, 627-648. | 0.6 | 9 |
| 136 | An extension of the Erd?s-Stone theorem. Combinatorica, 1994, 14, 279-286. | 0.6 | 16 |
| 137 | Percolation in High Dimensions. European Journal of Combinatorics, 1994, 15, 113-125. | 0.5 | 10 |
| 138 | Ramsey properties of orientations of graphs. Random Structures and Algorithms, 1993, 4, 413-428. | 0.6 | 13 |
| 139 | The Evolution of Random Subgraphs of the Cube. Random Structures and Algorithms, 1992, 3, 55-90. | 0.6 | 51 |
| 140 | On small graphs with highly imperfect powers. Discrete Mathematics, 1992, 104, 245-261. | 0.4 | 0 |
| 141 | A note on induced cycles in Kneser graphs. Combinatorica, 1991, 11, 245-251. | 0.6 | 1 |
| 142 | A Note on Kernels of Intersecting Families. European Journal of Combinatorics, 1990, 11, 155-164. | 0.5 | 2 |
| 143 | The odd chromatic index of almost all graphs. , 0, , . | | 2 |
| 144 | Opening Note: The Golden Jubilee of the Institute of Mathematics and Statistics of the University of São Paulo. Sao Paulo Journal of Mathematical Sciences, 0, , 1. | 0.2 | 0 |