

Tom Hutchcroft

List of Publications by Year in descending order

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37
papers

301
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840776

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all docs

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38
times ranked

63
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Hyperbolic and Parabolic Unimodular Random Maps. Geometric and Functional Analysis, 2018, 28, 879-942. | 1.8 | 26 |
| 2 | Unimodular hyperbolic triangulations: circle packing and random walk. Inventiones Mathematicae, 2016, 206, 229-268. | 2.5 | 22 |
| 3 | Percolation on Hyperbolic Graphs. Geometric and Functional Analysis, 2019, 29, 766-810. | 1.8 | 18 |
| 4 | New critical exponent inequalities for percolation and the random cluster model. Probability and Mathematical Physics, 2020, 1, 147-165. | 1.5 | 17 |
| 5 | Critical percolation on any quasi-transitive graph of exponential growth has no infinite clusters. Comptes Rendus Mathematique, 2016, 354, 944-947. | 0.3 | 16 |
| 6 | Interlacements and the wired uniform spanning forest. Annals of Probability, 2018, 46, . | 1.8 | 16 |
| 7 | Supercritical percolation on nonamenable graphs: isoperimetry, analyticity, and exponential decay of the cluster size distribution. Inventiones Mathematicae, 2021, 224, 445-486. | 2.5 | 15 |
| 8 | Indistinguishability of trees in uniform spanning forests. Probability Theory and Related Fields, 2017, 168, 113-152. | 1.8 | 13 |
| 9 | Locality of the critical probability for transitive graphs of exponential growth. Annals of Probability, 2020, 48, . | 1.8 | 13 |
| 10 | Universality of high-dimensional spanning forests and sandpiles. Probability Theory and Related Fields, 2020, 176, 533-597. | 1.8 | 12 |
| 11 | Anomalous diffusion of random walk on random planar maps. Probability Theory and Related Fields, 2020, 178, 567-611. | 1.8 | 12 |
| 12 | Nonuniqueness and mean-field criticality for percolation on nonunimodular transitive graphs. Journal of the American Mathematical Society, 2020, 33, 1101-1165. | 3.9 | 10 |
| 13 | Collisions of random walks in reversible random graphs. Electronic Communications in Probability, 2015, 20, . | 0.4 | 9 |
| 14 | Power-law bounds for critical long-range percolation below the upper-critical dimension. Probability Theory and Related Fields, 2021, 181, 533-570. | 1.8 | 9 |
| 15 | Wired cycle-breaking dynamics for uniform spanning forests. Annals of Probability, 2016, 44, . | 1.8 | 9 |
| 16 | Self-avoiding walk on nonunimodular transitive graphs. Annals of Probability, 2019, 47, . | 1.8 | 8 |
| 17 | Mallows permutations and finite dependence. Annals of Probability, 2020, 48, . | 1.8 | 8 |
| 18 | Boundaries of planar graphs: a unified approach. Electronic Journal of Probability, 2017, 22, . | 1.0 | 6 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | The component graph of the uniform spanning forest: transitions in dimensions $9, 10, 11, \dots, 9, 10, 11$. Probability Theory and Related Fields, 2019, 175, 141-208. | 1.8 | 6 |
| 20 | Statistical physics on a product of trees. Annales De L'institut Henri Poincare (B) Probability and Statistics, 2019, 55, . | 1.1 | 6 |
| 21 | Geometric and spectral properties of causal maps. Journal of the European Mathematical Society, 2020, 22, 3997-4024. | 1.4 | 6 |
| 22 | UNIFORM SPANNING FORESTS OF PLANAR GRAPHS. Forum of Mathematics, Sigma, 2019, 7, . | 0.7 | 5 |
| 23 | Non-intersection of transient branching random walks. Probability Theory and Related Fields, 2020, 178, 1-23. | 1.8 | 5 |
| 24 | The Hammersley-Welsh bound for self-avoiding walk revisited. Electronic Communications in Probability, 2018, 23, . | 0.4 | 4 |
| 25 | No Percolation at Criticality on Certain Groups of Intermediate Growth. International Mathematics Research Notices, 2021, 2021, 17433-17455. | 1.0 | 4 |
| 26 | The L^2 boundedness condition in nonamenable percolation. Electronic Journal of Probability, 2020, 25, . | 1.0 | 4 |
| 27 | Coalescing random walk on unimodular graphs. Electronic Communications in Probability, 2018, 23, . | 0.4 | 3 |
| 28 | Finitely dependent cycle coloring. Electronic Communications in Probability, 2018, 23, . | 0.4 | 3 |
| 29 | Harmonic Dirichlet Functions on Planar Graphs. Discrete and Computational Geometry, 2019, 61, 479-506. | 0.6 | 3 |
| 30 | What are the limits of universality?. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2022, 478, . | 2.1 | 3 |
| 31 | Kazhdan groups have cost 1. Inventiones Mathematicae, 2020, 221, 873-891. | 2.5 | 2 |
| 32 | Mallows permutations as stable matchings. Canadian Journal of Mathematics, 0, , 1-25. | 0.6 | 2 |
| 33 | On the tail of the branching random walk local time. Probability Theory and Related Fields, 2021, 180, 467-494. | 1.8 | 1 |
| 34 | Collisions of random walks in dynamic random environments. Electronic Journal of Probability, 2022, 27, . | 1.0 | 1 |
| 35 | Transience and recurrence of sets for branching random walk via non-standard stochastic orders. Annales De L'institut Henri Poincare (B) Probability and Statistics, 2022, 58, . | 1.1 | 1 |
| 36 | Indistinguishability of collections of trees in the uniform spanning forest. Annales De L'institut Henri Poincare (B) Probability and Statistics, 2020, 56, . | 1.1 | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Large, lengthy graphs look locally like lines. Bulletin of the London Mathematical Society, 2021, 53, 482-492. | 0.8 | 0 |