

Kilian Raschel

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

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citations

1040056

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15
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23
all docs

23
docs citations

23
times ranked

74
citing authors

#	ARTICLE	IF	CITATIONS
1	On the functions counting walks with small steps in the quarter plane. Publications Mathematiques De L'Institut Des Hautes Etudes Scientifiques, 2012, 116, 69-114.	4.3	41
2	Non-D-finite excursions in the quarter plane. Journal of Combinatorial Theory - Series A, 2014, 121, 45-63.	0.8	39
3	Counting walks in a quadrant: a unified approach via boundary value problems. Journal of the European Mathematical Society, 2012, 14, 749-777.	1.4	27
4	Random walks in $(\mathbb{Z}_+)^2$ with non-zero drift absorbed at the axes. Bulletin De La Societe Mathematique De France, 2011, 139, 341-387.	0.2	25
5	Random walks in the quarter plane, discrete harmonic functions and conformal mappings. Stochastic Processes and Their Applications, 2014, 124, 3147-3178.	0.9	15
6	Explicit expression for the generating function counting Gessel's walks. Advances in Applied Mathematics, 2011, 47, 414-433.	0.7	14
7	Integral expression for the stationary distribution of reflected Brownian motion in a wedge. Bernoulli, 2019, 25, .	1.3	12
8	The Z-invariant massive Laplacian on isoradial graphs. Inventiones Mathematicae, 2017, 208, 109-189.	2.5	11
9	On the least common multiple of several random integers. Journal of Number Theory, 2019, 204, 113-133.	0.4	10
10	The Z-invariant Ising model via dimers. Probability Theory and Related Fields, 2019, 174, 235-305.	1.8	10
11	Some exact asymptotics in the counting of walks in the quarter plane. Discrete Mathematics and Theoretical Computer Science, 2012, DMTCS Proceedings vol. AQ, ..., .	0.1	10
12	Extinction Probabilities for a Distylous Plant Population Modeled by an Inhomogeneous Random Walk on the Positive Quadrant. SIAM Journal on Applied Mathematics, 2013, 73, 700-722.	1.8	9
13	Green functions for killed random walks in the Weyl chamber of $Sp(4)$. Annales De L'institut Henri Poincare (B) Probability and Statistics, 2011, 47, .	1.1	8
14	Tutte's invariant approach for Brownian motion reflected in the quadrant. ESAIM - Probability and Statistics, 2017, 21, 220-234.	0.5	7
15	Martin boundary of random walks in convex cones. Annales Henri Lebesgue, 0, 5, 559-609.	0.0	4
16	Passage time from four to two blocks of opinions in the voter model and walks in the quarter plane. Queueing Systems, 2013, 74, 219-234.	0.9	3
17	The Compensation Approach for Walks With Small Steps in the Quarter Plane. Combinatorics Probability and Computing, 2013, 22, 161-183.	1.3	3
18	Random Walks Reaching Against all Odds the other Side of the Quarter Plane. Journal of Applied Probability, 2013, 50, 85-102.	0.7	2

#	ARTICLE	IF	CITATIONS
19	Asymptotics of Arithmetic Functions of GCD and LCM of Random Integers in Hyperbolic Regions. Results in Mathematics, 2022, 77, .	0.8	2
20	Walks in the quarter plane: Analytic approach and applications. ESAIM: Proceedings and Surveys, 2014, 44, 140-149.	0.4	0
21	The extinction problem for a distylous plant population with sporophytic self-incompatibility. Journal of Mathematical Biology, 2019, 78, 1841-1874.	1.9	0
22	Martin Boundary of Killed Random Walks on Isoradial Graphs. Potential Analysis, 0, , 1.	0.9	0