

Alexander Roitershtein

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	A Markovian Influence Graph Formed From Utility Line Outage Data to Mitigate Large Cascades. IEEE Transactions on Power Systems, 2020, 35, 3224-3235.	6.5	48
2	A note on multitype branching processes with immigration in a random environment. Annals of Probability, 2007, 35, 1573.	1.8	35
3	One-dimensional linear recursions with Markov-dependent coefficients. Annals of Applied Probability, 2007, 17, 572.	1.3	28
4	On random coefficient INAR(1) processes. Science China Mathematics, 2013, 56, 177-200.	1.7	16
5	Transient random walks on a strip in a random environment. Annals of Probability, 2008, 36, .	1.8	13
6	On probabilistic analog automata. Theoretical Computer Science, 2004, 320, 449-464.	0.9	10
7	Multivariate linear recursions with Markov-dependent coefficients. Journal of Multivariate Analysis, 2011, 102, 521-527.	1.0	10
8	On a species survival model. Electronic Communications in Probability, 2011, 16, .	0.4	10
9	On a directionally reinforced random walk. Proceedings of the American Mathematical Society, 2014, 142, 3269-3283.	0.8	9
10	A random walk with catastrophes. Electronic Journal of Probability, 2019, 24, .	1.0	9
11	Random linear recursions with dependent coefficients. Statistics and Probability Letters, 2010, 80, 1597-1605.	0.7	8
12	On the range of the transient frog model on $\hat{\mathbb{Z}}^d$. Advances in Applied Probability, 2017, 49, 327-343.	0.7	8
13	Large Deviation Bounds for Functionals of Viterbi Paths. IEEE Transactions on Information Theory, 2011, 57, 3932-3937.	2.4	7
14	Stochastic Analysis of the Motion of DNA Nanomechanical Bipeds. Bulletin of Mathematical Biology, 2011, 73, 1932-1951.	1.9	7
15	Discrete-time Ornstein-Uhlenbeck process in a stationary dynamic environment. Journal of Interdisciplinary Mathematics, 2016, 19, 1-35.	0.7	6
16	Moran-type bounds for the fixation probability in a frequency-dependent Wright-Fisher model. Journal of Mathematical Biology, 2018, 76, 1-35.	1.9	6
17	Random walks in a sparse random environment. Electronic Journal of Probability, 2016, 21, .	1.0	5
18	Horizontal visibility graph of a random restricted growth sequence. Advances in Applied Mathematics, 2021, 124, 102145.	0.7	4

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19	Random walks in a moderately sparse random environment. <i>Electronic Journal of Probability</i> , 2019, 24, .	1.0	4
20	Divergent Perpetuities Modulated by Regime Switches. <i>Stochastic Models</i> , 2013, 29, 129-148.	0.5	3
21	On Wallis-type Products and Pólya's Urn Schemes. <i>American Mathematical Monthly</i> , 2014, 121, 422.	0.3	3
22	On Ballistic Deposition Process on a Strip. <i>Journal of Statistical Physics</i> , 2019, 177, 626-650.	1.2	3
23	Optimal Control of a Stochastic Processing System Driven by a Fractional Brownian Motion Input. <i>Advances in Applied Probability</i> , 2010, 42, 183-209.	0.7	3
24	Optimal Control of a Stochastic Processing System Driven by a Fractional Brownian Motion Input. <i>Advances in Applied Probability</i> , 2010, 42, 183-209.	0.7	2
25	Finite Automata, Probabilistic Method, and Occurrence Enumeration of a Pattern in Words and Permutations. <i>SIAM Journal on Discrete Mathematics</i> , 2020, 34, 1011-1038.	0.8	2
26	Bayesian Uncertainty Quantification for Particle-Based Simulation of Lipid Bilayer Membranes. <i>Modeling and Simulation in Science, Engineering and Technology</i> , 2018, , 77-102.	0.6	2
27	Discrete-Time Langevin Motion in a Gibbs Potential. <i>Applied Mathematics</i> , 2012, 03, 2032-2037.	0.4	2
28	A random walk on \mathbb{Z} with drift driven by its occupation time at zero. <i>Stochastic Processes and Their Applications</i> , 2009, 119, 2682-2710.	0.9	0
29	Trading cookies in a gambler's ruin scenario. <i>Involve</i> , 2013, 6, 191-220.	0.2	0
30	Relative growth of the partial sums of certain random Fibonacci-like sequences. <i>Journal of Difference Equations and Applications</i> , 2017, 23, 1913-1928.	1.1	0
31	Limit theorem for the Robin Hood game. <i>Statistics and Probability Letters</i> , 2019, 149, 9-15.	0.7	0
32	Staircase patterns in words: Subsequences, subwords, and separation number. <i>European Journal of Combinatorics</i> , 2020, 86, 103099.	0.8	0
33	Favorite sites of a persistent random walk. <i>Journal of Mathematical Analysis and Applications</i> , 2021, 501, 125180.	1.0	0
34	Avalanches in a short-memory excitable network. <i>Advances in Applied Probability</i> , 2021, 53, 609-648.	0.7	0
35	A Log-scale Limit Theorem for One-dimensional Random Walks in Random Environments. <i>Electronic Communications in Probability</i> , 2005, 10, .	0.4	0
36	Shifting powers in Spivey's Bell number formula. <i>Quaestiones Mathematicae</i> , 2022, 45, 1-15.	0.6	0

#	ARTICLE	IF	CITATIONS
37	Random walk on the Poincaré disk induced by a group of Möbius transformations. <i>Markov Processes and Related Fields</i> , 2019, 25, 915-940.	0.0	0
38	Staircase patterns in words: subsequences, subwords, and separation number. <i>European Journal of Combinatorics</i> , 2020, 86, .	0.8	0
39	Distribution tails of a history-dependent random linear recursion. <i>Stochastic Models</i> , 0, , 1-18.	0.5	0