Fabio Zucca

List of Publications by Year
in descending order

33 papers	**317** citations	759233 **12** h-index	888059 **17** g-index
33 all docs	**33** docs citations	**33** times ranked	**97** citing authors

#	Article	IF	Citations
1	The discrete integral maximum principle and its applications. Tohoku Mathematical Journal, 2005, 57, .	0.2	31
2	Characterization of Critical Values of Branching Random Walks on Weighted Graphs through Infinite-Type Branching Processes. Journal of Statistical Physics, 2009, 134, 53-65.	1.2	27
3	On stochastic differential equations and semigroups of probability operators in quantum probability. Stochastic Processes and Their Applications, 1998, 73, 69-86.	0.9	26
4	Uniform asymptotic estimates of transition probabilities on combs. Journal of the Australian Mathematical Society, 2003, 75, 325-354.	0.4	24
5	Critical Behaviors and Critical Values of Branching Random Walks on Multigraphs. Journal of Applied Probability, 2008, 45, 481-497.	0.7	24
6	Survival, Extinction and Approximation of Discrete-time Branching Random Walks. Journal of Statistical Physics, 2011, 142, 726-753.	1.2	21
7	Critical Behaviors and Critical Values of Branching Random Walks on Multigraphs. Journal of Applied Probability, 2008, 45, 481-497.	0.7	19
8	Approximating Critical Parameters of Branching Random Walks. Journal of Applied Probability, 2009, 46, 463-478.	0.7	17
9	Contact and voter processes on the infinite percolation cluster as models of host-symbiont interactions. Annals of Applied Probability, 2011, 21, .	1.3	17
10	Strong Local Survival of Branching Random Walks is Not Monotone. Advances in Applied Probability, 2014, 46, 400-421.	0.7	14
11	Approximating Critical Parameters of Branching Random Walks. Journal of Applied Probability, 2009, 46, 463-478.	0.7	14
12	Ecological equilibrium for restrained branching random walks. Annals of Applied Probability, 2007, 17, .	1.3	13
13	Rumor Processes in Random Environment on $\mathbb{N}$ and on Galton–Watson Trees. Journal of Statistical Physics, 2013, 153, 486-511.	1.2	12
14	On a class of stochastic differential equations used in quantum optics. Milan Journal of Mathematics, 1996, 66, 355-376.	0.1	8
15	Local and Global Survival for Nonhomogeneous Random Walk Systems on Z. Advances in Applied Probability, 2014, 46, 256-278.	0.7	7
16	Branching random walks and multi-type contact-processes on the percolation cluster of $\mathbb{Z}^{d}$. Annals of Applied Probability, 2015, 25, .	1.3	6
17	A generating function approach to branching random walks. Brazilian Journal of Probability and Statistics, 2017, 31, .	0.4	5
18	A self-regulating and patch subdivided population. Advances in Applied Probability, 2010, 42, 899-912.	0.7	4

#	Article	IF	Citations
19	A self-regulating and patch subdivided population. Advances in Applied Probability, 2010, 42, 899-912.	0.7	4
20	Title is missing!. Journal of Statistical Physics, 1999, 94, 91-111.	1.2	4
21	The mean value property for harmonic functions on graphs and trees. Annali Di Matematica Pura Ed Applicata, 2002, 181, 105-130.	1.0	3
22	The timing of life history events in the presence of soft disturbances. Journal of Theoretical Biology, 2016, 389, 287-303.	1.7	3
23	Lower bounds for moments of global scores of pairwise Markov chains. Stochastic Processes and Their Applications, 2018, 128, 1678-1710.	0.9	3
24	Persistent and susceptible bacteria with individual deaths. Journal of Theoretical Biology, 2014, 343, 69-78.	1.7	2
25	A stochastic model for the evolution of species with random fitness. Electronic Communications in Probability, 2018, 23, .	0.4	2
26	Classification on the Average of Random Walks. Journal of Statistical Physics, 2004, 114, 947-975.	1.2	1
27	Combination versus sequential monotherapy in chronic HBV infection: a mathematical approach. Mathematical Medicine and Biology, 2015, 32, dqu022.	1.2	1
28	Local and Global Survival for Nonhomogeneous Random Walk Systems on Z. Advances in Applied Probability, 2014, 46, 256-278.	0.7	1
29	Strong Local Survival of Branching Random Walks is Not Monotone. Advances in Applied Probability, 2014, 46, 400-421.	0.7	1
30	Global survival of branching random walks and tree-like branching random walks. Alea, 2017, 14, 381.	0.7	1
31	Branching random walks with uncountably many extinction probability vectors. Brazilian Journal of Probability and Statistics, 2020, 34, .	0.4	1
32	Galtonâ€"Watson processes in varying environment and accessibility percolation. Brazilian Journal of Probability and Statistics, 2020, 34, .	0.4	1
33	Extinction probabilities in branching processes with countably many types: a general framework. Alea, 2022, 19, 311.	0.7	0