

Barbara Martinucci

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	A Damped Telegraph Random Process with Logistic Stationary Distribution. Journal of Applied Probability, 2010, 47, 84-96.	0.7	31
2	A Damped Telegraph Random Process with Logistic Stationary Distribution. Journal of Applied Probability, 2010, 47, 84-96.	0.7	27
3	Compound Poisson Process with a Poisson Subordinator. Journal of Applied Probability, 2015, 52, 360-374.	0.7	22
4	On the Generalized Telegraph Process with Deterministic Jumps. Methodology and Computing in Applied Probability, 2013, 15, 215-235.	1.2	21
5	Generalized Telegraph Process with Random Jumps. Journal of Applied Probability, 2013, 50, 450-463.	0.7	20
6	A Generalized Telegraph Process with Velocity Driven by Random Trials. Advances in Applied Probability, 2013, 45, 1111-1136.	0.7	13
7	Telegraph Process with Elastic Boundary at the Origin. Methodology and Computing in Applied Probability, 2018, 20, 333-352.	1.2	13
8	On a Symmetric, Nonlinear Birth-Death Process with Bimodal Transition Probabilities. Symmetry, 2009, 1, 201-214.	2.2	12
9	Generalized Telegraph Process with Random Delays. Journal of Applied Probability, 2012, 49, 850-865.	0.7	11
10	A QUANTILE-BASED PROBABILISTIC MEAN VALUE THEOREM. Probability in the Engineering and Informational Sciences, 2016, 30, 261-280.	0.8	11
11	Generalized Telegraph Process with Random Jumps. Journal of Applied Probability, 2013, 50, 450-463.	0.7	10
12	Analysis of a stochastic neuronal model with excitatory inputs and state-dependent effects. Mathematical Biosciences, 2007, 209, 547-563.	1.9	9
13	A New Model of Campi Flegrei Inflation and Deflation Episodes Based on Brownian Motion Driven by the Telegraph Process. Mathematical Geosciences, 2018, 50, 961-975.	2.4	9
14	Asymptotic Results for Random Walks in Continuous Time with Alternating Rates. Journal of Statistical Physics, 2014, 154, 1352-1364.	1.2	8
15	On a First-Passage-Time Problem for the Compound Power-Law Process. Stochastic Models, 2009, 25, 420-435.	0.5	7
16	On a bilateral birth-death process with alternating rates. Ricerche Di Matematica, 2012, 61, 157-169.	1.0	7
17	Compound Poisson Process with a Poisson Subordinator. Journal of Applied Probability, 2015, 52, 360-374.	0.7	7
18	Certain functionals of squared telegraph processes. Stochastics and Dynamics, 2020, 20, 2050005.	1.2	7

#	ARTICLE	IF	CITATIONS
19	On the Geometric Brownian Motion with Alternating Trend. , 2014, , 81-85.		7
20	On the dynamics of a pair of coupled neurons subject to alternating input rates. BioSystems, 2005, 79, 109-116.	2.0	6
21	A First-Passage-Time Problem for Symmetric and Similar Two-Dimensional Birth-Death Processes. Stochastic Models, 2008, 24, 451-469.	0.5	6
22	Random Motion with Gamma-Distributed Alternating Velocities in Biological Modeling. Lecture Notes in Computer Science, 2007, , 163-170.	1.3	5
23	Piecewise deterministic processes following two alternating patterns. Journal of Applied Probability, 2019, 56, 1006-1019.	0.7	5
24	Some Results on the Telegraph Process Confined by Two Non-Standard Boundaries. Methodology and Computing in Applied Probability, 2021, 23, 837-858.	1.2	5
25	A multispecies birth-death-immigration process and its diffusion approximation. Journal of Mathematical Analysis and Applications, 2016, 442, 291-316.	1.0	4
26	Generalized Telegraph Process with Random Delays. Journal of Applied Probability, 2012, 49, 850-865.	0.7	3
27	A Generalized Telegraph Process with Velocity Driven by Random Trials. Advances in Applied Probability, 2013, 45, 1111-1136.	0.7	3
28	Analysis of random walks on a hexagonal lattice. IMA Journal of Applied Mathematics, 0, , .	1.6	2
29	Asymptotic Results for the Absorption Time of Telegraph Processes with Elastic Boundary at the Origin. Methodology and Computing in Applied Probability, 2021, 23, 1077-1096.	1.2	2
30	Feedback Effects in Simulated Stein's Coupled Neurons. Lecture Notes in Computer Science, 2005, , 436-446.	1.3	2
31	Some results on the telegraph process driven by gamma components. Advances in Applied Probability, 2022, 54, 808-848.	0.7	2
32	Random time-changes and asymptotic results for a class of continuous-time Markov chains on integers with alternating rates. Modern Stochastics: Theory and Applications, 2021, , 63-91.	0.4	1
33	A Neuronal Model with Excitatory and Inhibitory Inputs Governed by a Birth-Death Process. Lecture Notes in Computer Science, 2009, , 121-128.	1.3	0
34	Some Results on Brownian Motion Perturbed by Alternating Jumps in Biological Modeling. Lecture Notes in Computer Science, 2013, , 53-60.	1.3	0
35	On a spike train probability model with interacting neural units. Mathematical Biosciences and Engineering, 2014, 11, 217-231.	1.9	0
36	Continuous-time multi-type Ehrenfest model and related Ornstein-Uhlenbeck diffusion on a star graph. Mathematical Methods in the Applied Sciences, 0, , .	2.3	0