Aniello Buonocore

List of Publications by Year
in descending order

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18 papers	134 citations	1478505 6 h-index	1199594 12 g-index
20 all docs	20 docs citations	20 times ranked	69 citing authors

#	Article	IF	Citations
1	Simulation of sample paths for Gauss-Markov processes in the presence of a reflecting boundary. Cogent Mathematics, 2017, 4, 1354469.	0.4	5
2	A leaky integrate-and-fire model with adaptation for the generation of a spike train. Mathematical Biosciences and Engineering, 2016, 13, 483-493.	1.9	20
3	Closed-form solutions for the first-passage-time problem and neuronal modeling. Ricerche Di Matematica, 2015, 64, 421-439.	1.0	16
4	Gauss-Markov Processes for Neuronal Models Including Reversal Potentials. Advances in Cognitive Neurodynamics, 2015, , 299-305.	0.1	3
5	A non-autonomous stochastic predator-prey model. Mathematical Biosciences and Engineering, 2014, 11, 167-188.	1.9	5
6	Gauss-diffusion processes for modeling the dynamics of a couple of interacting neurons. Mathematical Biosciences and Engineering, 2014, 11, 189-201.	1.9	16
7	A simple algorithm to generate firing times for leaky integrate-and-fire neuronal model. Mathematical Biosciences and Engineering, 2014, 11, 1-10.	1.9	3
8	Preface for the special issue of Mathematical Biosciences and Engineering, BIOCOMP 2012. Mathematical Biosciences and Engineering, 2014, 11, i-ii.	1.9	0
9	Editorial for the special issue of mathematical biosciences, BIOCOMP 2012. Mathematical Biosciences, 2013, 245, 1.	1.9	0
10	First-Passage-Time for Gauss-Diffusion Processes via Integrated Analytical, Simulation and Numerical Methods. Lecture Notes in Computer Science, 2012, , 96-104.	1.3	0
11	The First Passage Time Problem for Gauss-Diffusion Processes: Algorithmic Approaches and Applications to LIF Neuronal Model. Methodology and Computing in Applied Probability, 2011, 13, 29-57.	1.2	34
12	A note on the sum of uniform random variables. Statistics and Probability Letters, 2009, 79, 2092-2097.	0.7	17
13	On a Generalized Leaky Integrateâ€“andâ€“Fire Model for Single Neuron Activity. Lecture Notes in Computer Science, 2009, , 152-158.	1.3	2
14	Foreword. BioSystems, 2008, 93, 1-2.	2.0	1
15	On the evaluation of firing densities for periodically driven neuron models. Mathematical Biosciences, 2008, 214, 122-133.	1.9	8
16	Inputâ€“output behaviour of a model neuron with alternating drift. BioSystems, 2002, 67, 27-34.	2.0	3
17	Some mathematical considerations on two-mode searching II. Japan Journal of Industrial and Applied Mathematics, 1991, 8, 505-523.	0.9	0
18	On the Pearson-Fisher chi-squared theorem. Applied Mathematical Sciences, 0, 8, 6733-6744.	0.1	1