

Aniello Buonocore

List of Publications by Year in descending order

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papers

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1478505

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