

Petr Lansky

List of Publications by Year in descending order

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173
papers

3,276
citations

126858

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h-index

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47
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179
all docs

179
docs citations

179
times ranked

1679
citing authors

#	ARTICLE	IF	CITATIONS
1	Competitive and Noncompetitive Odorant Interactions in the Early Neural Coding of Odorant Mixtures. <i>Journal of Neuroscience</i> , 2008, 28, 2659-2666.	1.7	153
2	Diffusion approximation of the neuronal model with synaptic reversal potentials. <i>Biological Cybernetics</i> , 1987, 56, 19-26.	0.6	96
3	On approximations of Stein's neuronal model. <i>Journal of Theoretical Biology</i> , 1984, 107, 631-647.	0.8	95
4	Properties of the extra-positional signal in hippocampal place cell discharge derived from the overdispersion in location-specific firing. <i>Neuroscience</i> , 2002, 111, 553-566.	1.1	82
5	A review of the methods for signal estimation in stochastic diffusion leaky integrate-and-fire neuronal models. <i>Biological Cybernetics</i> , 2008, 99, 253-262.	0.6	71
6	Estimation of the input parameters in the Ornstein-Uhlenbeck neuronal model. <i>Physical Review E</i> , 2005, 71, 011907.	0.8	67
7	REVIEW ARTICLE: Neuronal coding and spiking randomness. <i>European Journal of Neuroscience</i> , 2007, 26, 2693-2701.	1.2	66
8	On the comparison of Feller and Ornstein-Uhlenbeck models for neural activity. <i>Biological Cybernetics</i> , 1995, 73, 457-465.	0.6	65
9	Perireceptor and Receptor Events in Olfaction. Comparison of Concentration and Flux Detectors: a Modeling Study. <i>Chemical Senses</i> , 2000, 25, 293-311.	1.1	65
10	Spiking frequency versus odorant concentration in olfactory receptor neurons. <i>BioSystems</i> , 2000, 58, 133-141.	0.9	64
11	Relation between stimulus and response in frog olfactory receptor neurons in vivo. <i>European Journal of Neuroscience</i> , 2003, 18, 1135-1154.	1.2	64
12	Quantifying location-specific information in the discharge of rat hippocampal place cells. <i>Journal of Neuroscience Methods</i> , 2003, 127, 123-135.	1.3	61
13	Generalized Stein's model for anatomically complex neurons. <i>BioSystems</i> , 1991, 25, 179-191.	0.9	60
14	The Ornstein-Uhlenbeck neuronal model with signal-dependent noise. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2001, 285, 132-140.	0.9	60
15	The parameters of the stochastic leaky integrate-and-fire neuronal model. <i>Journal of Computational Neuroscience</i> , 2006, 21, 211-223.	0.6	57
16	Diffusion approximation and first-passage-time problem for a model neuron. <i>Biological Cybernetics</i> , 1988, 58, 387-404.	0.6	54
17	Sources of periodical force in noisy integrate-and-fire models of neuronal dynamics. <i>Physical Review E</i> , 1997, 55, 2040-2043.	0.8	54
18	The effect of a random initial value in neural first-passage-time models. <i>Mathematical Biosciences</i> , 1989, 93, 191-215.	0.9	53

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19	Single-Unit Analysis of the Spinal Dorsal Horn in Patients With Neuropathic Pain. <i>Journal of Clinical Neurophysiology</i> , 2003, 20, 143-150.	0.9	51
20	Synaptic Transmission in a Diffusion Model for Neural Activity. <i>Journal of Theoretical Biology</i> , 1994, 166, 393-406.	0.8	48
21	Inference for the diffusion models of neuronal activity. <i>Mathematical Biosciences</i> , 1983, 67, 247-260.	0.9	47
22	Mean Instantaneous Firing Frequency Is Always Higher Than the Firing Rate. <i>Neural Computation</i> , 2004, 16, 477-489.	1.3	47
23	Ornstein-Uhlenbeck model neuron revisited. <i>Biological Cybernetics</i> , 1995, 72, 397-406.	0.6	46
24	Coding of odor intensity in a steady-state deterministic model of an olfactory receptor neuron. <i>Journal of Computational Neuroscience</i> , 1996, 3, 51-72.	0.6	46
25	Spontaneous activity of first- and second-order neurons in the frog olfactory system. <i>Brain Research</i> , 1994, 662, 31-44.	1.1	44
26	Perspective analysis outcomes of selected tribodiagnostic data used as input for condition based maintenance. <i>Reliability Engineering and System Safety</i> , 2016, 145, 231-242.	5.1	43
27	Stochastic model neuron without resetting of dendritic potential: application to the olfactory system. <i>Biological Cybernetics</i> , 1993, 69, 283-294.	0.6	40
28	Efficient Olfactory Coding in the Pheromone Receptor Neuron of a Moth. <i>PLoS Computational Biology</i> , 2008, 4, e1000053.	1.5	40
29	Patterns of spontaneous activity in single rat olfactory receptor neurons are different in normally breathing and tracheotomized animals. <i>Journal of Neurobiology</i> , 2005, 65, 97-114.	3.7	39
30	Estimation of the input parameters in the Feller neuronal model. <i>Physical Review E</i> , 2006, 73, 061910.	0.8	38
31	Variable initial depolarization in Stein's neuronal model with synaptic reversal potentials. <i>Biological Cybernetics</i> , 1991, 64, 285-291.	0.6	35
32	Classification of Dissolution Profiles in Terms of Fractional Dissolution Rate and a Novel Measure of Heterogeneity. <i>Journal of Pharmaceutical Sciences</i> , 2003, 92, 1632-1647.	1.6	35
33	A review of the methods for neuronal response latency estimation. <i>BioSystems</i> , 2015, 136, 23-34.	0.9	34
34	Coding of odor intensity. <i>BioSystems</i> , 1993, 31, 15-38.	0.9	33
35	Estimation of the Individual Firing Frequencies of Two Neurons Recorded with a Single Electrode. <i>Chemical Senses</i> , 2003, 28, 671-679.	1.1	33
36	Statistical inference on spontaneous neuronal discharge patterns. <i>Biological Cybernetics</i> , 1987, 55, 299-311.	0.6	31

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37	Does the dose-solubility ratio affect the mean dissolution time of drugs?. <i>Pharmaceutical Research</i> , 1999, 16, 1470-1476.	1.7	31
38	On the Interspike Intervals Calculated from Diffusion Approximations of Stein's Neuronal Model with Reversal Potentials. <i>Journal of Theoretical Biology</i> , 1994, 171, 225-232.	0.8	30
39	Measures of statistical dispersion based on Shannon and Fisher information concepts. <i>Information Sciences</i> , 2013, 235, 214-223.	4.0	29
40	Estimation of Time-Dependent Input from Neuronal Membrane Potential. <i>Neural Computation</i> , 2011, 23, 3070-3093.	1.3	28
41	Two-compartment stochastic model of a neuron. <i>Physica D: Nonlinear Phenomena</i> , 1999, 132, 267-286.	1.3	27
42	Optimum signal in a simple neuronal model with signal-dependent noise. <i>Biological Cybernetics</i> , 2005, 92, 199-205.	0.6	25
43	Parameters of stochastic diffusion processes estimated from observations of first-hitting times: Application to the leaky integrate-and-fire neuronal model. <i>Physical Review E</i> , 2007, 76, 041906.	0.8	25
44	Metabolic cost of neuronal information in an empirical stimulus-response model. <i>Biological Cybernetics</i> , 2013, 107, 355-365.	0.6	25
45	Coding of periodic pulse stimulation in chemoreceptors. <i>BioSystems</i> , 2002, 67, 121-128.	0.9	24
46	Optimal Signal Estimation in Neuronal Models. <i>Neural Computation</i> , 2005, 17, 2240-2257.	1.3	22
47	First-passage-time problem for simulated stochastic diffusion processes. <i>Computers in Biology and Medicine</i> , 1994, 24, 91-101.	3.9	21
48	On the estimation of refractory period. <i>Journal of Neuroscience Methods</i> , 2008, 171, 288-295.	1.3	20
49	Parameters of the Diffusion Leaky Integrate-and-Fire Neuronal Model for a Slowly Fluctuating Signal. <i>Neural Computation</i> , 2008, 20, 2696-2714.	1.3	20
50	On two diffusion neuronal models with multiplicative noise: The mean first-passage time properties. <i>Chaos</i> , 2018, 28, 043103.	1.0	20
51	Long-Term Potentiation and Depression Induced by a Stochastic Conditioning of a Model Synapse. <i>Biophysical Journal</i> , 1999, 77, 1234-1243.	0.2	19
52	Similarity of interspike interval distributions and information gain in a stationary neuronal firing. <i>Biological Cybernetics</i> , 2006, 94, 157-167.	0.6	19
53	Fano factor estimation. <i>Mathematical Biosciences and Engineering</i> , 2014, 11, 105-123.	1.0	18
54	Coding of stimulus intensity in an olfactory receptor neuron: Role of neuron spatial extent and passive dendritic backpropagation of action potentials. <i>Bulletin of Mathematical Biology</i> , 1996, 58, 493-512.	0.9	17

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55	Optimal signal in sensory neurons under an extended rate coding concept. <i>BioSystems</i> , 2007, 89, 10-15.	0.9	17
56	Firing Variability Is Higher than Deduced from the Empirical Coefficient of Variation. <i>Neural Computation</i> , 2011, 23, 1944-1966.	1.3	17
57	Modeling heterogeneity of properties and random effects in drug dissolution. , 2001, 18, 1061-1067.		16
58	A stochastic differential equation model for drug dissolution and its parameters. <i>Journal of Controlled Release</i> , 2004, 100, 267-274.	4.8	16
59	The Gamma renewal process as an output of the diffusion leaky integrate-and-fire neuronal model. <i>Biological Cybernetics</i> , 2016, 110, 193-200.	0.6	16
60	Fano Factor: A Potentially Useful Information. <i>Frontiers in Computational Neuroscience</i> , 2020, 14, 569049.	1.2	16
61	Wiener filtration versus averaging of evoked responses. <i>Biological Cybernetics</i> , 1977, 27, 147-154.	0.6	15
62	Following complex rhythmical acoustical patterns by tapping. <i>International Journal of Psychophysiology</i> , 1987, 5, 187-192.	0.5	15
63	Stochastic model of the overdispersion in the place cell discharge. <i>BioSystems</i> , 2000, 58, 27-32.	0.9	15
64	Classification of stationary neuronal activity according to its information rate. <i>Network: Computation in Neural Systems</i> , 2006, 17, 193-210.	2.2	15
65	Parameters of Spike Trains Observed in a Short Time Window. <i>Neural Computation</i> , 2008, 20, 1325-1343.	1.3	15
66	Statistics of inverse interspike intervals: The instantaneous firing rate revisited. <i>Chaos</i> , 2018, 28, 106305.	1.0	15
67	Errors in Estimating the Orientation of Dot Patterns. <i>Perception</i> , 1989, 18, 237-242.	0.5	14
68	Estimating input parameters from intracellular recordings in the Feller neuronal model. <i>Physical Review E</i> , 2010, 81, 031916.	0.8	14
69	On the simulation of biological diffusion processes. <i>Computers in Biology and Medicine</i> , 1997, 27, 1-7.	3.9	13
70	Coding of odour intensity in a sensory neuron. <i>BioSystems</i> , 1997, 40, 203-210.	0.9	13
71	Odorant concentration and receptor potential in olfactory sensory neurons. <i>BioSystems</i> , 1998, 48, 131-138.	0.9	13
72	Receptor Dissociation Constants and the Information Entropy of Membranes Coding Ligand Concentration. <i>Chemical Senses</i> , 2001, 26, 95-104.	1.1	13

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73	Proposed mechanisms for coincidence detection in the auditory brainstem. <i>Biological Cybernetics</i> , 2005, 92, 445-451.	0.6	13
74	Information capacity and its approximations under metabolic cost in a simple homogeneous population of neurons. <i>BioSystems</i> , 2013, 112, 265-275.	0.9	13
75	Entropy factor for randomness quantification in neuronal data. <i>Neural Networks</i> , 2017, 95, 57-65.	3.3	13
76	The spatial properties of a model neuron increase its coding range. <i>Biological Cybernetics</i> , 1999, 81, 161-167.	0.6	12
77	Extracellular Transduction Events Under Pulsed Stimulation in Moth Olfactory Sensilla. <i>Chemical Senses</i> , 2003, 28, 509-522.	1.1	12
78	First-Spike Latency in the Presence of Spontaneous Activity. <i>Neural Computation</i> , 2010, 22, 1675-1697.	1.3	12
79	Variability Measures of Positive Random Variables. <i>PLoS ONE</i> , 2011, 6, e21998.	1.1	12
80	The Jacobi diffusion process as a neuronal model. <i>Chaos</i> , 2018, 28, 103119.	1.0	12
81	A reliability application of a mixture of inverse gaussian distributions. <i>Applied Stochastic Models and Data Analysis</i> , 1994, 10, 61-69.	0.5	11
82	A stochastic model for circulatory transport in pharmacokinetics. <i>Mathematical Biosciences</i> , 1996, 132, 141-167.	0.9	11
83	Ligand-receptor interaction under periodic stimulation: a modeling study of concentration chemoreceptors. <i>European Biophysics Journal</i> , 2001, 30, 110-120.	1.2	11
84	The overdispersion in activity of place cells. <i>Neurocomputing</i> , 2001, 38-40, 1393-1399.	3.5	11
85	Optimum signal in a diffusion leaky integrate-and-fire neuronal model. <i>Mathematical Biosciences</i> , 2007, 207, 261-274.	0.9	11
86	Randomness and variability of the neuronal activity described by the Ornstein-Uhlenbeck model. <i>Network: Computation in Neural Systems</i> , 2007, 18, 63-75.	2.2	11
87	The role of detachment of in-links in scale-free networks. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2014, 47, 345002.	0.7	11
88	On visual orientation of dot patterns. <i>Biological Cybernetics</i> , 1987, 56, 389-396.	0.6	10
89	Area Perception in Simple Geometrical Figures. <i>Perceptual and Motor Skills</i> , 1990, 71, 459-466.	0.6	10
90	Receptor Heterogeneity and its Effect on Sensitivity and Coding Range in Olfactory Sensory Neurons. <i>Bulletin of Mathematical Biology</i> , 2001, 63, 885-908.	0.9	10

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91	Classification of stimuli based on stimulus-response curves and their variability. <i>Brain Research</i> , 2008, 1225, 57-66.	1.1	10
92	Random effects in drug dissolution. <i>European Journal of Pharmaceutical Sciences</i> , 2010, 41, 430-439.	1.9	10
93	Identification of noisy response latency. <i>Physical Review E</i> , 2012, 86, 021128.	0.8	10
94	EEG alpha and non-alpha intervals alternation. <i>Biological Cybernetics</i> , 1978, 30, 109-113.	0.6	9
95	Basic mechanisms of coding stimulus intensity in the olfactory sensory neuron. <i>Neural Processing Letters</i> , 1994, 1, 9-12.	2.0	9
96	Statistical approach in search for optimal signal in simple olfactory neuronal models. <i>Mathematical Biosciences</i> , 2008, 214, 100-108.	0.9	9
97	Errors in estimation of the input signal for integrate-and-fire neuronal models. <i>Physical Review E</i> , 2008, 78, 011918.	0.8	9
98	Generalized Nonlinear Yule Models. <i>Journal of Statistical Physics</i> , 2016, 165, 661-679.	0.5	9
99	Simulation of a diffusion process with randomly distributed jumps in neuronal context. <i>International Journal of Bio-medical Computing</i> , 1992, 31, 233-245.	0.5	8
100	Time-Dependent Solutions for a Cable Model of an Olfactory Receptor Neuron. <i>Journal of Theoretical Biology</i> , 1996, 181, 25-31.	0.8	8
101	Effect of spatial extension on noise-enhanced phase locking in a leaky integrate-and-fire model of a neuron. <i>Physical Review E</i> , 2000, 62, 8427-8437.	0.8	8
102	Effect of stimulation on the input parameters of stochastic leaky integrate-and-fire neuronal model. <i>Journal of Physiology (Paris)</i> , 2010, 104, 160-166.	2.1	8
103	Information transfer for small-amplitude signals. <i>Physical Review E</i> , 2010, 81, 050901.	0.8	8
104	Performance breakdown in optimal stimulus decoding. <i>Journal of Neural Engineering</i> , 2015, 12, 036012.	1.8	8
105	Inhibition enhances the coherence in the Jacobi neuronal model. <i>Chaos, Solitons and Fractals</i> , 2019, 128, 108-113.	2.5	8
106	Qualitative properties of different numerical methods for the inhomogeneous geometric Brownian motion. <i>Journal of Computational and Applied Mathematics</i> , 2022, 406, 113951.	1.1	8
107	An indirect method for absorption rate estimation: Flurothyl-induced seizures. <i>Bulletin of Mathematical Biology</i> , 1997, 59, 569-579.	0.9	7
108	Input parameters in a one-dimensional neuronal model with reversal potentials. <i>BioSystems</i> , 1998, 48, 123-129.	0.9	7

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109	Parametric inference of neuronal response latency in presence of a background signal. <i>BioSystems</i> , 2013, 112, 249-257.	0.9	7
110	Parameter inference from hitting times for perturbed Brownian motion. <i>Lifetime Data Analysis</i> , 2015, 21, 331-352.	0.4	7
111	Alpha detection. <i>Biofeedback and Self-regulation</i> , 1979, 4, 127-131.	0.3	6
112	An integral measure of the coherence function between pairs of EEG recordings. <i>Electroencephalography and Clinical Neurophysiology</i> , 1982, 54, 587-590.	0.3	6
113	A model of the perception of area. <i>Spatial Vision</i> , 1992, 6, 101-116.	1.4	6
114	Effects of afterhyperpolarization on neuronal firing. <i>BioSystems</i> , 1992, 27, 25-38.	0.9	6
115	Interspike interval statistics in the Ornstein-Uhlenbeck neuronal model with signal-dependent noise. <i>BioSystems</i> , 2002, 67, 213-219.	0.9	6
116	INFORMATION CONTENT IN THRESHOLD DATA WITH NON-GAUSSIAN NOISE. <i>Fluctuation and Noise Letters</i> , 2007, 07, L79-L89.	1.0	6
117	Only through perturbation can relaxation times be estimated. <i>Physical Review E</i> , 2012, 86, 050102.	0.8	6
118	Coding Accuracy Is Not Fully Determined by the Neuronal Model. <i>Neural Computation</i> , 2015, 27, 1051-1057.	1.3	6
119	Accuracy of rate coding: When shorter time window and higher spontaneous activity help. <i>Physical Review E</i> , 2017, 95, 022310.	0.8	6
120	Shot noise, weak convergence and diffusion approximations. <i>Physica D: Nonlinear Phenomena</i> , 2021, 418, 132845.	1.3	6
121	A generalization of the Yule-Simon model, with special reference to word association tests and neural cell assembly formation. <i>Journal of Mathematical Psychology</i> , 1980, 21, 53-65.	1.0	5
122	Models for the perception of orientation in random dot patterns. <i>Biological Cybernetics</i> , 1990, 63, 71-80.	0.6	5
123	A NEURONAL MODEL WITH VARIABLE SYNAPTIC INPUT EFFECT. <i>Cybernetics and Systems</i> , 1992, 23, 29-40.	1.6	5
124	Computational model of the effects of stochastic conditioning on the induction of long-term potentiation and depression. <i>Biological Cybernetics</i> , 1999, 81, 291-298.	0.6	5
125	On the location-specific positional and extra-positional information in the discharge of rat hippocampal cells. <i>BioSystems</i> , 2002, 67, 167-175.	0.9	5
126	Stochastic pulse stimulation in chemoreceptors and its properties. <i>Mathematical Biosciences</i> , 2004, 188, 133-145.	0.9	5

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127	Variability and randomness in stationary neuronal activity. <i>BioSystems</i> , 2007, 89, 44-49.	0.9	5
128	Comparison of Statistical Methods for Estimation of the Input Parameters in the Ornstein-Uhlenbeck Neuronal Model from First-Passage Times Data. <i>AIP Conference Proceedings</i> , 2008, , .	0.3	5
129	Responses of single neurons and neuronal ensembles in frog first- and second-order olfactory neurons. <i>Brain Research</i> , 2013, 1536, 144-158.	1.1	5
130	Estimating latency from inhibitory input. <i>Biological Cybernetics</i> , 2014, 108, 475-493.	0.6	5
131	Stein's neuronal model with pooled renewal input. <i>Biological Cybernetics</i> , 2015, 109, 389-399.	0.6	5
132	Presynaptic Spontaneous Activity Enhances the Accuracy of Latency Coding. <i>Neural Computation</i> , 2016, 28, 2162-2180.	1.3	5
133	Transient dynamics of Pearson diffusions facilitates estimation of rate parameters. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2020, 82, 105034.	1.7	5
134	Cycle-time and residence-time density approximations in a stochastic model for circulatory transport. <i>Bulletin of Mathematical Biology</i> , 1997, 59, 1-22.	0.9	4
135	Characterizing and modeling concentration-response curves of olfactory receptor cells. <i>Neurocomputing</i> , 2001, 38-40, 319-325.	3.5	4
136	Role of heterogeneity in deterministic models of drug dissolution and their statistical characteristics. <i>BioSystems</i> , 2003, 71, 123-131.	0.9	4
137	Distribution of interspike intervals estimated from multiple spike trains observed in a short time window. <i>Physical Review E</i> , 2011, 83, 011910.	0.8	4
138	Estimation of the synaptic input firing rates and characterization of the stimulation effects in an auditory neuron. <i>Frontiers in Computational Neuroscience</i> , 2015, 9, 59.	1.2	4
139	Altered intensity coding in the salicylate-overdose animal model of tinnitus. <i>BioSystems</i> , 2015, 136, 113-119.	0.9	4
140	Ornstein-Uhlenbeck model neuron revisited. <i>Biological Cybernetics</i> , 1995, 72, 397-406.	0.6	4
141	On the comparison of Feller and Ornstein-Uhlenbeck models for neural activity. <i>Biological Cybernetics</i> , 1995, 73, 457-465.	0.6	4
142	A stochastic model for neuronal bursting. <i>BioSystems</i> , 1994, 33, 1-16.	0.9	3
143	PERCEPTION OF AREA OF INTERPOLATED FIGURES. <i>Cybernetics and Systems</i> , 1994, 25, 567-579.	1.6	3
144	Cycle-time and residence-time density approximations in a stochastic model for circulatory transport. <i>Bulletin of Mathematical Biology</i> , 1997, 59, 1-22.	0.9	3

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145	The MÃ¼ller-Lyer Illusion in Interpolated Figures. Perceptual and Motor Skills, 1998, 87, 499-504.	0.6	3
146	Preface. BioSystems, 2000, 58, 1.	0.9	3
147	A simple stochastic model of spatially complex neurons. BioSystems, 2000, 58, 49-58.	0.9	3
148	Vesicular mechanisms and estimates of firing probability in a network of spiking neurons. Physica D: Nonlinear Phenomena, 2003, 181, 132-145.	1.3	3
149	Shot-noise Fano factor. Physical Review E, 2015, 92, 052135.	0.8	3
150	Encoding of pheromone intensity by dynamic activation of pheromone receptors. Neurocomputing, 2007, 70, 1759-1763.	3.5	2
151	Homogeneous diffusion layer model of dissolution incorporating the initial transient phase. International Journal of Pharmaceutics, 2011, 416, 35-42.	2.6	2
152	Population coding is essential for rapid information processing in the moth antennal lobe. Brain Research, 2013, 1536, 88-96.	1.1	2
153	Sampling times influence the estimate of parameters in the Weibull dissolution model. European Journal of Pharmaceutical Sciences, 2015, 78, 171-176.	1.9	2
154	A single spike deteriorates synaptic conductance estimation. BioSystems, 2017, 161, 41-45.	0.9	2
155	Average evoked brain potential comparison on the basis of spectral and coherency functions. Biological Cybernetics, 1976, 24, 103-110.	0.6	1
156	A computer program to study the area perception of squares and rectangles. Computer Methods and Programs in Biomedicine, 1994, 42, 263-270.	2.6	1
157	On the estimate of the rate constant in the homogeneous dissolution model. Drug Development and Industrial Pharmacy, 2013, 39, 1555-1561.	0.9	1
158	Coding accuracy on the psychophysical scale. Scientific Reports, 2016, 6, 23810.	1.6	1
159	Two-compartment stochastic model of a neuron with periodic input. Lecture Notes in Computer Science, 1999, , 240-247.	1.0	1
160	Noise in integrate-and-fire models of neuronal dynamics. Lecture Notes in Computer Science, 1997, , 49-54.	1.0	0
161	Overdispersion in the Place Cell Dischargeâ€™Stochastic Modelling and Inference. AIP Conference Proceedings, 2008, , .	0.3	0
162	The Adaptation of the Moth Pheromone Receptor Neuron to its Natural Stimulus. AIP Conference Proceedings, 2008, , .	0.3	0

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163	Optimal odor intensity in olfactory neuronal models. BMC Neuroscience, 2009, 10, .	0.8	0
164	Simple stochastic neuronal models and their parameters. BMC Neuroscience, 2009, 10, .	0.8	0
165	Measures of statistical dispersion based on Entropy and Fisher information. BMC Neuroscience, 2011, 12, .	0.8	0
166	Estimating individual firing frequencies in a multiple spike train record. Journal of Neuroscience Methods, 2012, 211, 191-202.	1.3	0
167	Latency of inhibitory response. BMC Neuroscience, 2013, 14, .	0.8	0
168	Multidimensional counting processes and evoked neuronal activity. IMA Journal of Mathematical Control and Information, 2000, 17, 53-73.	1.1	0
169	Modelling Odor Intensity and Odor Quality Coding in Olfactory Systems. , 1996, , 217-231.		0
170	On Recent Results in Modeling of Sensory Neurons. , 1998, , 89-99.		0
171	Stochastic model of the place cell discharge. Lecture Notes in Computer Science, 1999, , 248-257.	1.0	0
172	Preface. Mathematical Biosciences and Engineering, 2016, 13, i-i.	1.0	0
173	Steady-State Properties of Coding of Odor Intensity in Olfactory Sensory Neurons. , 2007, , 360-367.		0