Hiroyuki Mino

List of Publications by Year
in descending order

26	312	1307594	1474206
26	**312**	**7**	**9**
papers	citations	h-index	g-index
26	**26**	**26**	**257**
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Comparison of Algorithms for the Simulation of Action Potentials with Stochastic Sodium Channels. Annals of Biomedical Engineering, 2002, 30, 578-587.	2.5	110
2	Effects of Electrode-to-Fiber Distance on Temporal Neural Response With Electrical Stimulation. IEEE Transactions on Biomedical Engineering, 2004, 51, 13-20.	4.2	68
3	Stochastic Resonance Can Enhance Information Transmission in Neural Networks. IEEE Transactions on Biomedical Engineering, 2011, 58, 1950-1958.	4.2	42
4	Effects of Neural Refractoriness on Spatio–Temporal Variability in Spike Initiations With Electrical Stimulation. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2006, 14, 273-280.	4.9	19
5	Enhancement of information transmission of sub-threshold signals applied to distal positions of dendritic trees in hippocampal CA1 neuron models with stochastic resonance. Biological Cybernetics, 2010, 103, 227-236.	1.3	18
6	Effects of stochastic sodium channels on extracellular excitation of myelinated nerve fibers. IEEE Transactions on Biomedical Engineering, 2002, 49, 527-532.	4.2	15
7	Encoding of Information Into Neural Spike Trains in an Auditory Nerve Fiber Model With Electric Stimuli in the Presence of a Pseudospontaneous Activity. IEEE Transactions on Biomedical Engineering, 2007, 54, 360-369.	4.2	11
8	The Effects of Spontaneous Random Activity on Information Transmission in an Auditory Brain Stem Neuron Model. Entropy, 2014, 16, 6654-6666.	2.2	10
9	Stochastic resonance can induce oscillation in a recurrent Hodgkin-Huxley neuron model with added Gaussian noise. , 2008, 2008, 2457-60.		4
10	Reverse stochastic resonance in a hippocampal CA1 neuron model. , 2013, 2013, 5242-5.		4
11	Enhancement of Information Transmission with Stochastic Resonance in Hippocampal CA1 Neuron Models. , 2006, 2006, 4957-60.		2
12	Response: Implementation Issues in Approximate Methods for Stochastic Hodgkin-Huxley models. Annals of Biomedical Engineering, 2007, 35, 319-319.	2.5	2
13	Stochastic resonance with a mixture of sub-and supra-threshold stimuli in a population of neuron models. , 2011, 2011, 7328-31.		2
14	Effects of rates of spontaneous synaptic vesicle secretions in inner hair cells on information transmission in an auditory nerve fiber model. , 2012, 2012, 2993-6.		2
15	Pulse-frequency-dependent resonance in a population of pyramidal neuron models. Biological Cybernetics, 2022, 116, 363-375.	1.3	2
16	Information Rate of Neural Spike Trains in Response to Sinusoidal Electric Stimuli in the Presence of a Pseudo-spontaneous Activity. , 2005, 2006, 417-20.		1
17	Information rate of neural spike trains in response to electric stimuli. , 2004, 2004, 4603-6.		0
18	Synchronization Index of Neural Spike Trains in Response to Simulated Vowel Signal Stimuli in the Presence of a Pseudo-spontaneous Activity. , 2006, 2006, 4159-62.		0

#	Article	IF	Citations
19	Enhancement of Information Transmission with Stochastic Resonance: Influence of Stimulating Position in Hippocampal CA1 Neuron Models. , 2007, , .		0
20	Enhancement of Information Transmission with Stochastic Resonance in Hippocampal CA1 Neuron Models: Effects of Noise Input Location. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 6661-4.	0.5	0
21	Sub-threshold periodic stimulation can improve detection of weak neuronal signals. , 2011, , .		0
22	Effects of the rates of pseudo-spontaneous spikes generated by electric stimuli on information transmission in an auditory nerve fiber model. , 2013, 2013, 5246-9.		0
23	Modeling of spike trains in auditory nerves with self-exciting point processes of the von Mises type. Biological Cybernetics, 2019, 113, 347-356.	1.3	0
24	Improvement of Information Transmission of Suprathreshold Input Signal with Stochastic Resonance in Hippocampal CA1 Neuron Network. Transactions of the Society of Instrument and Control Engineers, 2011, 47, 79-80.	0.2	0
25	Synchronization Index of Neural Spike Trains in Response to Simulated Vowel Signal Stimuli in the Presence of a Pseudo-spontaneous Activity. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2006, , .	0.5	0
26	Enhancement of Information Transmission with Stochastic Resonance in Hippocampal CA1 Neuron Models. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2006, , .	0.5	0