

# Hiroyuki Mino

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6989658/publications.pdf>

Version: 2024-02-01

26  
papers

312  
citations

1307594

7  
h-index

1474206

9  
g-index

26  
all docs

26  
docs citations

26  
times ranked

257  
citing authors

#	ARTICLE	IF	CITATIONS
1	Pulse-frequency-dependent resonance in a population of pyramidal neuron models. <i>Biological Cybernetics</i> , 2022, 116, 363-375.	1.3	2
2	Modeling of spike trains in auditory nerves with self-exciting point processes of the von Mises type. <i>Biological Cybernetics</i> , 2019, 113, 347-356.	1.3	0
3	The Effects of Spontaneous Random Activity on Information Transmission in an Auditory Brain Stem Neuron Model. <i>Entropy</i> , 2014, 16, 6654-6666.	2.2	10
4	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
5	Reverse stochastic resonance in a hippocampal CA1 neuron model. , 2013, 2013, 5242-5.		4
6	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
7	Sub-threshold periodic stimulation can improve detection of weak neuronal signals. , 2011, , .		0
8	Stochastic Resonance Can Enhance Information Transmission in Neural Networks. <i>IEEE Transactions on Biomedical Engineering</i> , 2011, 58, 1950-1958.	4.2	42
9	Stochastic resonance with a mixture of sub-and supra-threshold stimuli in a population of neuron models. , 2011, 2011, 7328-31.		2
10	Improvement of Information Transmission of Suprathreshold Input Signal with Stochastic Resonance in Hippocampal CA1 Neuron Network. <i>Transactions of the Society of Instrument and Control Engineers</i> , 2011, 47, 79-80.	0.2	0
11	Enhancement of information transmission of sub-threshold signals applied to distal positions of dendritic trees in hippocampal CA1 neuron models with stochastic resonance. <i>Biological Cybernetics</i> , 2010, 103, 227-236.	1.3	18
12	Stochastic resonance can induce oscillation in a recurrent Hodgkin-Huxley neuron model with added Gaussian noise. , 2008, 2008, 2457-60.		4
13	Enhancement of Information Transmission with Stochastic Resonance: Influence of Stimulating Position in Hippocampal CA1 Neuron Models. , 2007, , .		0
14	Enhancement of Information Transmission with Stochastic Resonance in Hippocampal CA1 Neuron Models: Effects of Noise Input Location. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2007, 2007, 6661-4.	0.5	0
15	Encoding of Information Into Neural Spike Trains in an Auditory Nerve Fiber Model With Electric Stimuli in the Presence of a Pseudospontaneous Activity. <i>IEEE Transactions on Biomedical Engineering</i> , 2007, 54, 360-369.	4.2	11
16	Response: Implementation Issues in Approximate Methods for Stochastic Hodgkin-Huxley models. <i>Annals of Biomedical Engineering</i> , 2007, 35, 319-319.	2.5	2
17	Effects of Neural Refractoriness on Spatio&#8211;Temporal Variability in Spike Initiations With Electrical Stimulation. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2006, 14, 273-280.	4.9	19
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 in Hippocampal CA1 Neuron Models. , 2006, 2006, 4957-60.		2
20	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
21	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
22	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
23	Information rate of neural spike trains in response to electric stimuli. , 2004, 2004, 4603-6.		0
24	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
25	Comparison of Algorithms for the Simulation of Action Potentials with Stochastic Sodium Channels. Annals of Biomedical Engineering, 2002, 30, 578-587.	2.5	110
26	Effects of stochastic sodium channels on extracellular excitation of myelinated nerve fibers. IEEE Transactions on Biomedical Engineering, 2002, 49, 527-532.	4.2	15