Takashi Kanamaru

List of Publications by Year
in descending order

24	259	840776 11	940533 16
papers	citations	h-index	g-index

24	24	24	170
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Acetylcholine-mediated top-down attention improves the response to bottom-up inputs by deformation of the attractor landscape. PLoS ONE, 2019, 14, e0223592.	2.5	5
2	Quantifying Strength of Chaos in the Population Firing Rate of Neurons. Neural Computation, 2018, 30, 792-819.	2.2	1
3	Chaotic Pattern Alternations Can Reproduce Properties of Dominance Durations in Multistable Perception. Neural Computation, 2017, 29, 1696-1720.	2.2	6
4	The Mixed States of Associative Memories Realize Unimodal Distribution of Dominance Durations in Multistable Perception. Lecture Notes in Computer Science, 2017, , 371-378.	1.3	0
5	S1210102 Gesture control of in-vehicle equipment by Leap Motion. The Proceedings of Mechanical Engineering Congress Japan, 2015, 2015, _S1210102--_S1210102-.	0.0	0
6	G1000703 Applying sensor network technology to livestock industry. The Proceedings of Mechanical Engineering Congress Japan, 2015, 2015, _G1000703--_G1000703-.	0.0	0
7	S1210103 Sightseeing telescope controlled by tablets. The Proceedings of Mechanical Engineering Congress Japan, 2015, 2015, _S1210103--_S1210103-.	0.0	0
8	Deformation of Attractor Landscape via Cholinergic Presynaptic Modulations: A Computational Study Using a Phase Neuron Model. PLoS ONE, 2013, 8, e53854.	2.5	22
9	Rewiring-Induced Chaos in Pulse-Coupled Neural Networks. Neural Computation, 2012, 24, 1020-1046.	2.2	4
10	A New Role for Attentional Corticopetal Acetylcholine in Cortical Memory Dynamics. , 2011, , .		0
11	Roles of Inhibitory Neurons in Rewiring-Induced Synchronization in Pulse-Coupled Neural Networks. Neural Computation, 2010, 22, 1383-1398.	2.2	6
12	Stochastic Synchrony of Chaos in a Pulse-Coupled Neural Network with Both Chemical and Electrical Synapses Among Inhibitory Neurons. Neural Computation, 2008, 20, 1951-1972.	2.2	18
13	Chaotic pattern transitions in pulse neural networks. Neural Networks, 2007, 20, 781-790.	5.9	12
14	Analysis of Synchronization Between Two Modules of Pulse Neural Networks with Excitatory and Inhibitory Connections. Neural Computation, 2006, 18, 1111-1131.	2.2	17
15	BLOWOUT BIFURCATION AND ONâ€“OFF INTERMITTENCY IN PULSE NEURAL NETWORKS WITH MULTIPLEC MODULES. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2006, 16, 3309-3321.	1.7	19
16	Analysis of Synchronization Between Two Modules of Pulse Neural Networks with Excitatory and Inhibitory Connections. Neural Computation, 2006, 18, 1111-1131.	2.2	8
17	Detecting chaotic structures in noisy pulse trains based on interspike interval reconstruction. Biological Cybernetics, 2005, 92, 333-338.	1.3	3
18	Synchronized Firings in the Networks of Class 1 Excitable Neurons with Excitatory and Inhibitory Connections and Their Dependences on the Forms of Interactions. Neural Computation, 2005, 17, 1315-1338.	2.2	22

#	Article	IF	Citations
19	An Analysis of Globally Connected Active Rotators With Excitatory and Inhibitory Connections Having Different Time Constants Using the Nonlinear Fokkerâ€“Planck Equations. IEEE Transactions on Neural Networks, 2004, 15, 1009-1017.	4.2	10
20	Analysis of globally connected active rotators with excitatory and inhibitory connections using the Fokker-Planck equation. Physical Review E, 2003, 67, 031916.	2.1	21
21	Array-enhanced coherence resonance and forced dynamics in coupled FitzHugh-Nagumo neurons with noise. Physical Review E, 2002, 65, 051906.	2.1	47
22	Stochastic resonance in a pulse neural network with a propagational time delay. BioSystems, 2000, 58, 101-107.	2.0	13
23	Associative memory retrieval induced by fluctuations in a pulsed neural network. Physical Review E, 2000, 62, 2629-2635.	2.1	12
24	Stochastic Resonance in the Hodgkin-Huxley Network. Journal of the Physical Society of Japan, 1998, 67, 4058-4063.	1.6	13