Katsumi Tateno

List of Publications by Year
in descending order

27	454	1163117 8	940533 16
papers	citations	h-index	g-index

27	27	27	606
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Automatic detection of atrial fibrillation using the coefficient of variation and density histograms of RR and Î”RR intervals. Medical and Biological Engineering and Computing, 2001, 39, 664-671.	2.8	246
2	Spontaneous Initiation and Termination of Complex Rhythms in Cardiac Cell Culture. Journal of Cardiovascular Electrophysiology, 2003, 14, S229-S236.	1.7	37
3	Complexity of spatiotemporal activity of a neural network model which depends on the degree of synchronization. Neural Networks, 1998, 11, 985-1003.	5.9	34
4	Stochastic resonance in the hippocampal CA3â€“CA1 model: a possible memory recall mechanism. Neural Networks, 2002, 15, 1171-1183.	5.9	33
5	Theta phase coding in a network model of the entorhinal cortex layer II with entorhinal-hippocampal loop connections. Cognitive Neurodynamics, 2007, 1, 169-184.	4.0	22
6	Cellâ€typeâ€dependent action potentials and voltageâ€gated currents in mouse fungiform taste buds. European Journal of Neuroscience, 2014, 39, 24-34.	2.6	18
7	Random pulse induced synchronization and resonance in uncoupled non-identical neuron models. Cognitive Neurodynamics, 2019, 13, 303-312.	4.0	17
8	Dynamical properties of the two-process model for sleep-wake cycles in infantile autism. Cognitive Neurodynamics, 2008, 2, 221-228.	4.0	16
9	Development of Frequency Based Taste Receptors Using Bioinspired Glucose Nanobiosensor. Scientific Reports, 2017, 7, 1623.	3.3	8
10	Synchronized spike selection in a hippocampal dentate gyrus network model in the theta frequency range. International Congress Series, 2007, 1301, 79-82.	0.2	5
11	PHASE DEPENDENT TRANSITION BETWEEN MULTISTABLE STATES IN A NEURAL NETWORK WITH RECIPROCAL INHIBITION. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2004, 14, 1559-1575.	1.7	4
12	Selective communication and a band-pass filter in the rat dentate gyrus. International Congress Series, 2004, 1269, 77-80.	0.2	3
13	A network model toward a taste bud inspired sensor. International Congress Series, 2007, 1301, 52-55.	0.2	3
14	Network model of chemical-sensing system inspired by mouse taste buds. Biological Cybernetics, 2011, 105, 21-27.	1.3	2
15	A model of irregular sleepâ€“wake pattern in autistic children aged 4 or older. International Congress Series, 2007, 1301, 286-289.	0.2	1
16	Stochastic Synchronization and Array-Enhanced Coherence Resonance in a Bio-inspired Chemical Sensor Array. , 2008, , .		1
17	A Chemical Sensor Array Inspired by Mouse Taste Buds. Studies in Computational Intelligence, 2010, , 159-164.	0.9	1
18	Functional Properties of Resonate-and-Fire Neuron Circuits for Bio-Inspired Chemical Sensor Array. Studies in Computational Intelligence, 2010, , 129-133.	0.9	1

#	Article	IF	Citations
19	A Neural Network Model of the Entorhinal Cortex and Hippocampus for Event-Order Memory Processing. IEEE Access, 2022, 10, 43003-43012.	4.2	1
20	Taste Receptor Cells Generate Oscillating Receptor Potentials by Activating G Protein-Coupled Taste Receptors. Frontiers in Physiology, 2022, 13, .	2.8	1
21	Signal generation and selection in a neural network model. International Congress Series, 2004, 1269, 117-120.	0.2	0
22	Phase coding by organization of entorhinal cortexâ€“hippocampus loop circuits. International Congress Series, 2006, 1291, 117-120.	0.2	0
23	Brain-inspired adaptive models based on motivational and emotional processes. International Congress Series, 2007, 1301, 56-59.	0.2	0
24	Signal Processing Based on Cell-Type-Dependent Action Potentials in Mouse Taste Buds. The Brain & Neural Networks, 2013, 20, 159-165.	0.1	0
25	Triggered Initiation of Retrograde Wave Propagation in a Cable of FitzHugh-Nagumo Cells. Lecture Notes in Computer Science, 2013, , 49-54.	1.3	0
26	Real-time computation of a large-scaled entorhinal-hippocampal spiking neural network using GPU acceleration. Nonlinear Theory and Its Applications IEICE, 2022, 13, 349-354.	0.6	0
27	Brain-inspired neural network navigation system with hippocampus, prefrontal cortex, and amygdala functions. , 2021, , .		0