

# Masato Okada

## List of Publications by Year in descending order

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24  
papers

537  
citations

687363

13  
h-index

642732

23  
g-index

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all docs

24  
docs citations

24  
times ranked

613  
citing authors

#	ARTICLE	IF	CITATIONS
1	Estimating Spiking Irregularities Under Changing Environments. <i>Neural Computation</i> , 2006, 18, 2359-2386.	2.2	69
2	Balanced Excitatory and Inhibitory Inputs to Cortical Neurons Decouple Firing Irregularity from Rate Modulations. <i>Journal of Neuroscience</i> , 2007, 27, 13802-13812.	3.6	64
3	Residual Energies after Slow Quantum Annealing. <i>Journal of the Physical Society of Japan</i> , 2005, 74, 1649-1652.	1.6	57
4	Complex Sequencing Rules of Birdsong Can be Explained by Simple Hidden Markov Processes. <i>PLoS ONE</i> , 2011, 6, e24516.	2.5	51
5	Many Body Effect in Inner Shell Photoemission and Photoabsorption Spectra of La Compounds. <i>Journal of the Physical Society of Japan</i> , 1987, 56, 798-809.	1.6	50
6	Statistical Mechanics of an Oscillator Associative Memory with Scattered Natural Frequencies. <i>Physical Review Letters</i> , 1999, 82, 2800-2803.	7.8	41
7	Mismatched Decoding in the Brain. <i>Journal of Neuroscience</i> , 2010, 30, 4815-4826.	3.6	34
8	Categorical and dimensional perceptions in decoding emotional facial expressions. <i>Cognition and Emotion</i> , 2012, 26, 587-601.	2.0	32
9	A neural network model for generating complex birdsong syntax. <i>Biological Cybernetics</i> , 2007, 97, 441-448.	1.3	25
10	The implicit processing of categorical and dimensional strategies: an fMRI study of facial emotion perception. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 551.	2.0	18
11	Measurement of infinitesimal phase response curves from noisy real neurons. <i>Physical Review E</i> , 2011, 84, 041902.	2.1	17
12	Random and systematic dilutions of synaptic connections in a neural network with a nonmonotonic response function. <i>Physical Review E</i> , 1998, 57, 2095-2103.	2.1	14
13	Bistability of mixed states in a neural network storing hierarchical patterns. <i>Journal of Physics A</i> , 2000, 33, 2725-2737.	1.6	14
14	Information Loss Associated with Imperfect Observation and Mismatched Decoding. <i>Frontiers in Computational Neuroscience</i> , 2011, 5, 9.	2.1	9
15	Acceleration effect of coupled oscillator systems. <i>Physical Review E</i> , 2002, 65, 046223.	2.1	8
16	Context sensitivity in the detection of changes in facial emotion. <i>Scientific Reports</i> , 2016, 6, 27798.	3.3	7
17	Extracting State Transition Dynamics from Multiple Spike Trains Using Hidden Markov Models with Correlated Poisson Distribution. <i>Neural Computation</i> , 2010, 22, 2369-2389.	2.2	6
18	Statistical mechanics of CDMA multiuser detector implemented in coherent Ising machine. <i>Journal of Applied Physics</i> , 2018, 124, 233102.	2.5	6

#	ARTICLE	IF	CITATIONS
19	L0 regularization-based compressed sensing with quantum-classical hybrid approach. Quantum Science and Technology, 2022, 7, 035013.	5.8	5
20	Capacity of autocorrelation associative memory with quantized synaptic weight. Systems and Computers in Japan, 1996, 27, 55-63.	0.2	3
21	Modulation of Emotional Category Induced by Temporal Factors in Emotion Recognition. PLoS ONE, 2015, 10, e0131636.	2.5	3
22	Critical memory capacity of Hopfield model implemented in coherent Ising machine. Journal of Applied Physics, 2018, 124, 152129.	2.5	3
23	Study on Quantum Annealing Using the Density Matrix Renormalization Group. Interdisciplinary Information Sciences, 2007, 13, 49-55.	0.4	1
24	The meaning of the platform simulator:solvable neural network models and complex neuron models.. The Brain & Neural Networks, 2005, 12, 87-93.	0.1	0