

# Ikuhiro Yamaguchi

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8558043/publications.pdf>

Version: 2024-02-01

17  
papers

164  
citations

1478280

6  
h-index

1199470

12  
g-index

18  
all docs

18  
docs citations

18  
times ranked

177  
citing authors

#	ARTICLE	IF	CITATIONS
1	Adjoint Method Provides Phase Response Functions for Delay-Induced Oscillations. <i>Physical Review Letters</i> , 2012, 109, 044101.	2.9	47
2	Population dynamics of the modified theta model: macroscopic phase reduction and bifurcation analysis link microscopic neuronal interactions to macroscopic gamma oscillation. <i>Journal of the Royal Society Interface</i> , 2014, 11, 20140058.	1.5	39
3	Reduction Theories Elucidate the Origins of Complex Biological Rhythms Generated by Interacting Delay-Induced Oscillations. <i>PLoS ONE</i> , 2011, 6, e26497.	1.1	20
4	Drinking Levels and Profiles of Alcohol Addicted Rats Predict Response to Nalmefene. <i>Frontiers in Pharmacology</i> , 2019, 10, 471.	1.6	16
5	Dynamical state transitions into addictive behaviour and their early-warning signals. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20170882.	1.2	14
6	Markov modeling of sleep stage transitions and ultradian REM sleep rhythm. <i>Physiological Measurement</i> , 2018, 39, 084005.	1.2	10
7	Linear Analysis of the Corticothalamic Model with Time Delay. <i>Electronics and Communications in Japan</i> , 2014, 97, 32-44.	0.3	5
8	Estimating the parameters of neural mass models including time delay and nonlinearity using a particle filter: a preliminary study toward model-based EEG analysis. <i>IEEJ Transactions on Electrical and Electronic Engineering</i> , 2017, 12, 899-906.	0.8	3
9	A Robust Method with High Time Resolution for Estimating the Cortico-Thalamo-Cortical Loop Strength and the Delay when Using a Scalp Electroencephalography Applied to the Wake-Sleep Transition. <i>Methods of Information in Medicine</i> , 2018, 57, 122-128.	0.7	3
10	Suppression of Macroscopic Oscillations in Mixed Populations of Active and Inactive Oscillators Coupled through Lattice Laplacian. <i>Journal of the Physical Society of Japan</i> , 2019, 88, 054004.	0.7	2
11	Deriving theoretical phase locking values of a coupled cortico-thalamic neural mass model using center manifold reduction. <i>Journal of Computational Neuroscience</i> , 2017, 42, 231-243.	0.6	1
12	Spectral analysis method for sleep-state cycle based on the cortico-thalamo-cortical loop strength estimation. , 2017, , .		1
13	Evaluation of heuristic reductions of a model for the segmentation clock in zebrafish. <i>IEEJ Transactions on Electrical and Electronic Engineering</i> , 2018, 13, 271-279.	0.8	1
14	Linear Analysis of the Corticothalamic Model with Time Delay. <i>IEEJ Transactions on Electronics, Information and Systems</i> , 2012, 132, 1787-1797.	0.1	1
15	Corticothalamic Model with Time Delay Reduced to a Real Ginzburg-Landau Equation. <i>IEEJ Transactions on Electronics, Information and Systems</i> , 2012, 132, 1563-1574.	0.1	1
16	Measurement of salivary alpha-amylase to support person-centered care for individuals with dementia. , 2019, , .		0
17	Derivation of Experimental Phase Response Curves of a Delay-induced Oscillation Composed with an Electrical Circuit. <i>IEEJ Transactions on Electronics, Information and Systems</i> , 2015, 135, 819-825.	0.1	0