

# Bastian Pietras

## List of Publications by Year in descending order

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Version: 2024-02-01

11  
papers

239  
citations

1307543

7  
h-index

1588975

8  
g-index

11  
all docs

11  
docs citations

11  
times ranked

235  
citing authors

#	ARTICLE	IF	CITATIONS
1	Kuramoto model for populations of quadratic integrate-and-fire neurons with chemical and electrical coupling. <i>Chaos</i> , 2022, 32, 013105.	2.5	8
2	Reduced Phase Models of Oscillatory Neural Networks. <i>Understanding Complex Systems</i> , 2021, , 29-54.	0.6	0
3	Low-dimensional firing-rate dynamics for populations of renewal-type spiking neurons. <i>Physical Review E</i> , 2020, 102, 022407.	2.1	13
4	Phase Synchronization in Neural Systems. , 2020, , 221-233.		3
5	Phase Synchronization in Neural Systems. , 2020, , 1-14.		0
6	Exact firing rate model reveals the differential effects of chemical versus electrical synapses in spiking networks. <i>Physical Review E</i> , 2019, 100, 042412.	2.1	37
7	Network dynamics of coupled oscillators and phase reduction techniques. <i>Physics Reports</i> , 2019, 819, 1-105.	25.6	90
8	Scale-freeness or partial synchronization in neural mass phase oscillator networks: Pick one of two?. <i>NeuroImage</i> , 2018, 180, 428-441.	4.2	13
9	First-order phase transitions in the Kuramoto model with compact bimodal frequency distributions. <i>Physical Review E</i> , 2018, 98, .	2.1	16
10	Ott-Antonsen attractiveness for parameter-dependent oscillatory systems. <i>Chaos</i> , 2016, 26, 103101.	2.5	39
11	Equivalence of coupled networks and networks with multimodal frequency distributions: Conditions for the bimodal and trimodal case. <i>Physical Review E</i> , 2016, 94, 052211.	2.1	20