Paul So

List of Publications by Year
in descending order

25 papers	1,448 citations	430874 18 h-index	610901 24 g-index
25 all docs	25 docs citations	25 times ranked	1087 citing authors

#	Article	IF	Citations
1	Synaptic Diversity Suppresses Complex Collective Behavior in Networks of Theta Neurons. Frontiers in Computational Neuroscience, 2020, 14, 44.	2.1	4
2	Double inverse stochastic resonance with dynamic synapses. Physical Review E, 2017, 95, 012404.	2.1	48
3	Effects of polarization induced by non-weak electric fields on the excitability of elongated neurons with active dendrites. Journal of Computational Neuroscience, 2016, 40, 27-50.	1.0	6
4	Macroscopic complexity from an autonomous network of networks of theta neurons. Frontiers in Computational Neuroscience, 2014, 8, 145.	2.1	22
5	Control of collective network chaos. Chaos, 2014, 24, 023127.	2.5	6
6	Networks of theta neurons with time-varying excitability: Macroscopic chaos, multistability, and final-state uncertainty. Physica D: Nonlinear Phenomena, 2014, 267, 16-26.	2.8	56
7	Complete Classification of the Macroscopic Behavior of a Heterogeneous Network of Theta Neurons. Neural Computation, 2013, 25, 3207-3234.	2.2	127
8	Generating macroscopic chaos in a network of globally coupled phase oscillators. Chaos, 2011, 21, 033127.	2.5	34
9	Synchronization in networks of networks: The onset of coherent collective behavior in systems of interacting populations of heterogeneous oscillators. Physical Review E, 2008, 77, 036107.	2.1	118
10	Synchronization in interacting populations of heterogeneous oscillators with time-varying coupling. Chaos, 2008, 18, 037114.	2.5	61
11	A Model of the Effects of Applied Electric Fields on Neuronal Synchronization. Journal of Computational Neuroscience, 2005, 19, 53-70.	1.0	88
12	The geometry of chaos synchronization. Chaos, 2003, 13, 151-164.	2.5	32
13	Limits to the experimental detection of nonlinear synchrony. Physical Review E, 2002, 65, 046225.	2.1	26
14	The onset of synchronization in systems of globally coupled chaotic and periodic oscillators. Physica D: Nonlinear Phenomena, 2002, 173, 29-51.	2.8	27
15	THE BREAKDOWN OF SYNCHRONIZATION IN SYSTEMS OF NONIDENTICAL CHAOTIC OSCILLATORS: THEORY AND EXPERIMENT. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2001, 11, 2705-2713.	1.7	10
16	Differentiability implies continuity in neuronal dynamics. Physica D: Nonlinear Phenomena, 2001, 148, 175-181.	2.8	1
17	THE BREAKDOWN OF SYNCHRONIZATION AND SHADOWING IN COUPLED CHAOTIC SYSTEMS: ANALYSIS VIA THE SUBSYSTEM DECOMPOSITION. , 2001, , .		0
18	From Generalized Synchrony to Topological Decoherence: Emergent Sets in Coupled Chaotic Systems. Physical Review Letters, 2000, 84, 1689-1692.	7.8	28

#	Article	IF	Citations
19	Mechanisms for the Development of Unstable Dimension Variability and the Breakdown of Shadowing in Coupled Chaotic Systems. Physical Review Letters, 2000, 85, 2490-2493.	7.8	41
20	Box-counting dimension without boxes: ComputingD0from average expansion rates. Physical Review E, 1999, 60, 378-385.	2.1	11
21	Periodic Orbits: A New Language for Neuronal Dynamics. Biophysical Journal, 1998, 74, 2776-2785.	0.5	94
22	Stochastic resonance in mammalian neuronal networks. Chaos, 1998, 8, 588-598.	2.5	22
23	Extracting unstable periodic orbits from chaotic time series data. Physical Review E, 1997, 55, 5398-5417.	2.1	102
24	Detecting Unstable Periodic Orbits in Chaotic Experimental Data. Physical Review Letters, 1996, 76, 4705-4708.	7.8	140
25	Detecting dynamical interdependence and generalized synchrony through mutual prediction in a neural ensemble. Physical Review E, 1996, 54, 6708-6724.	2.1	344