Antonio Javier Pons Rivero

List of Publications by Year
in descending order

27 papers	543 citations	840119 11 h-index	642321 23 g-index
30 all docs	30 docs citations	30 times ranked	652 citing authors

#	Article	IF	Citations
1	Helical crack-front instability in mixed-mode fracture. Nature, 2010, 464, 85-89.	13.7	156
2	Relating structural and functional anomalous connectivity in the aging brain via neural mass modeling. NeuroImage, 2010, 52, 848-861.	2.1	57
3	Crack Front Segmentation and Facet Coarsening in Mixed-Mode Fracture. Physical Review Letters, 2015, 115, 265503.	2.9	39
4	Pattern Formation in the Methylene-Blueâ^'Glucose System. Journal of Physical Chemistry B, 2000, 104, 2251-2259.	1.2	34
5	Chemoconvection: A chemically driven hydrodynamic instability. Journal of Chemical Physics, 2001, 114, 1932-1943.	1.2	30
6	Quantifying sudden changes in dynamical systems using symbolic networks. New Journal of Physics, 2015, 17, 023068.	1.2	26
7	Influence of the loading path on fatigue crack growth under mixed-mode loading. International Journal of Fracture, 2009, 159, 219-232.	1.1	22
8	Mesoscopic Segregation of Excitation and Inhibition in a Brain Network Model. PLoS Computational Biology, 2015, 11, e1004007.	1.5	21
9	Differentiating resting brain states using ordinal symbolic analysis. Chaos, 2018, 28, 106307.	1.0	18
10	Synchronization-based computation through networks of coupled oscillators. Frontiers in Computational Neuroscience, 2015, 9, 97.	1.2	14
11	Temporally correlated fluctuations drive epileptiform dynamics. NeuroImage, 2017, 146, 188-196.	2.1	14
12	Quantitative Analysis of Chemoconvection Patterns in the Methylene-Blueâ^'Glucose System. Journal of Physical Chemistry B, 2002, 106, 7252-7259.	1.2	13
13	Feedback control of unstable cellular solidification fronts. Physical Review E, 2007, 75, 021602.	0.8	11
14	Relaxation dynamics and frequency response of a noisy cell signaling network. Chaos, 2010, 20, 045110.	1.0	11
15	Integration of cellular signals in chattering environments. Progress in Biophysics and Molecular Biology, 2012, 110, 106-112.	1.4	10
16	Probing scale interaction in brain dynamics through synchronization. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20130533.	1.8	9
17	Cross-frequency transfer in a stochastically driven mesoscopic neuronal model. Frontiers in Computational Neuroscience, 2015, 9, 14.	1.2	9
18	Complex temporal patterns processing by a neural mass model of a cortical column. Cognitive Neurodynamics, 2019, 13, 379-392.	2.3	9

#	Article	IF	Citations
19	Information Routing Driven by Background Chatter in a Signaling Network. PLoS Computational Biology, 2011, 7, e1002297.	1.5	7
20	Consistency of heterogeneous synchronization patterns in complex weighted networks. Chaos, 2017, 27, 031102.	1.0	7
21	Collective excitability in a mesoscopic neuronal model of epileptic activity. Physical Review E, 2018, 97, 012204.	0.8	5
22	Nonlinear chemoconvection in the methylene-blueâ€“glucose system: Two-dimensional shallow layers. Physical Review E, 2008, 78, 016316.	0.8	4
23	NOISE-INDUCED UP/DOWN DYNAMICS IN SCALE-FREE NEURONAL NETWORKS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2012, 22, 1250175.	0.7	4
24	Chemoconvection patterns in the methylene-blueâ€“glucose system: Weakly nonlinear analysis. Physical Review E, 2004, 70, 066304.	0.8	3
25	Cracks tamed. Nature, 2012, 485, 177-178.	13.7	3
26	Extracranial Estimation of Neural Mass Model Parameters Using the Unscented Kalman Filter. Frontiers in Applied Mathematics and Statistics, 2018, 4, .	0.7	3
27	Stimulus induced resonance in a neural mass model driven with a temporally correlated noise. BMC Neuroscience, 2015, 16, .	0.8	0