Antonio Javier Pons Rivero

List of Publications by Year
in descending order

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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	Complex temporal patterns processing by a neural mass model of a cortical column. Cognitive Neurodynamics, 2019, 13, 379-392.	2.3	9
2	Collective excitability in a mesoscopic neuronal model of epileptic activity. Physical Review E, 2018, 97, 012204.	0.8	5
3	Extracranial Estimation of Neural Mass Model Parameters Using the Unscented Kalman Filter. Frontiers in Applied Mathematics and Statistics, 2018, 4, .	0.7	3
4	Differentiating resting brain states using ordinal symbolic analysis. Chaos, 2018, 28, 106307.	1.0	18
5	Consistency of heterogeneous synchronization patterns in complex weighted networks. Chaos, 2017, 27, 031102.	1.0	7
6	Temporally correlated fluctuations drive epileptiform dynamics. NeuroImage, 2017, 146, 188-196.	2.1	14
7	Crack Front Segmentation and Facet Coarsening in Mixed-Mode Fracture. Physical Review Letters, 2015, 115, 265503.	2.9	39
8	Stimulus induced resonance in a neural mass model driven with a temporally correlated noise. BMC Neuroscience, 2015, 16, .	0.8	0
9	Cross-frequency transfer in a stochastically driven mesoscopic neuronal model. Frontiers in Computational Neuroscience, 2015, 9, 14.	1.2	9
10	Synchronization-based computation through networks of coupled oscillators. Frontiers in Computational Neuroscience, 2015, 9, 97.	1.2	14
11	Mesoscopic Segregation of Excitation and Inhibition in a Brain Network Model. PLoS Computational Biology, 2015, 11, e1004007.	1.5	21
12	Quantifying sudden changes in dynamical systems using symbolic networks. New Journal of Physics, 2015, 17, 023068.	1.2	26
13	Probing scale interaction in brain dynamics through synchronization. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20130533.	1.8	9
14	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
15	Integration of cellular signals in chattering environments. Progress in Biophysics and Molecular Biology, 2012, 110, 106-112.	1.4	10
16	Cracks tamed. Nature, 2012, 485, 177-178.	13.7	3
17	Information Routing Driven by Background Chatter in a Signaling Network. PLoS Computational Biology, 2011, 7, e1002297.	1.5	7
18	Helical crack-front instability in mixed-mode fracture. Nature, 2010, 464, 85-89.	13.7	156

#	Article	IF	Citations
19	Relating structural and functional anomalous connectivity in the aging brain via neural mass modeling. NeuroImage, 2010, 52, 848-861.	2.1	57
20	Relaxation dynamics and frequency response of a noisy cell signaling network. Chaos, 2010, 20, 045110.	1.0	11
21	Influence of the loading path on fatigue crack growth under mixed-mode loading. International Journal of Fracture, 2009, 159, 219-232.	1.1	22
22	Nonlinear chemoconvection in the methylene-blueâ€“glucose system: Two-dimensional shallow layers. Physical Review E, 2008, 78, 016316.	0.8	4
23	Feedback control of unstable cellular solidification fronts. Physical Review E, 2007, 75, 021602.	0.8	11
24	Chemoconvection patterns in the methylene-blueâ€“glucose system: Weakly nonlinear analysis. Physical Review E, 2004, 70, 066304.	0.8	3
25	Quantitative Analysis of Chemoconvection Patterns in the Methylene-Blueâ^'Glucose System. Journal of Physical Chemistry B, 2002, 106, 7252-7259.	1.2	13
26	Chemoconvection: A chemically driven hydrodynamic instability. Journal of Chemical Physics, 2001, 114, 1932-1943.	1.2	30
27	Pattern Formation in the Methylene-Blueâ^'Glucose System. Journal of Physical Chemistry B, 2000, 104, 2251-2259.	1.2	34