David Angulo-Garcia

List of Publications by Year
in descending order

20	238	1039880 9	1125617 13
papers	citations	h-index	g-index

21	21	21	261
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Designing a hysteresis band in a boost flyback converter. Mechanical Systems and Signal Processing, 2021, 147, 107080.	4.4	6
2	Understanding Traffic Congestion via Network Analysis, Agent Modeling, and the Trajectory of Urban Expansion: A Coastal City Case. Infrastructures, 2021, 6, 85.	1.4	6
3	DC-DC Zeta Power Converter: Ramp Compensation Control Design and Stability Analysis. Applied Sciences (Switzerland), 2021, 11, 5946.	1.3	6
4	Zero Average Surface Controlled Boost-Flyback Converter. Energies, 2021, 14, 57.	1.6	5
5	Single-Switching Reachable Operation Points in a DC-DC Buck Converter: An Approximation from Time Optimal Control. Micromachines, 2020, 11, 834.	1.4	1
6	Hippocampal hub neurons maintain distinct connectivity throughout their lifetime. Nature Communications, 2020, 11, 4559.	5.8	30
7	Cross frequency coupling in next generation inhibitory neural mass models. Chaos, 2020, 30, 053121.	1.0	22
8	Decreased resilience in power grids under dynamically induced vulnerabilities. New Journal of Physics, 2020, 22, 103033.	1.2	7
9	Cell Assemblies in the Cortico-Hippocampal-Reuniens Network during Slow Oscillations. Journal of Neuroscience, 2020, 40, 8343-8354.	1.7	11
10	Neural activity of heterogeneous inhibitory spiking networks with delay. Physical Review E, 2019, 99, 052412.	0.8	7
11	Internal representation of hippocampal neuronal population spans a time-distance continuum. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 7477-7482.	3.3	22
12	Hybrid Control Design of a DC/DC Buck Power Converter. , 2019, , .		1
13	Control of a DC-DC Buck Converter through Contraction Techniques. Energies, 2018, 11, 3086.	1.6	16
14	Modeling driver cells in developing neuronal networks. PLoS Computational Biology, 2018, 14, e1006551.	1.5	13
15	Exact firing time statistics of neurons driven by discrete inhibitory noise. Scientific Reports, 2017, 7, 1577.	1.6	12
16	Death and rebirth of neural activity in sparse inhibitory networks. New Journal of Physics, 2017, 19, 053011.	1.2	21
17	Cell Assembly Dynamics of Sparsely-Connected Inhibitory Networks: A Simple Model for the Collective Activity of Striatal Projection Neurons. PLoS Computational Biology, 2016, 12, e1004778.	1.5	19
18	Dynamics and Forecast in a Simple Model of Sustainable Development for Rural Populations. Bulletin of Mathematical Biology, 2015, 77, 368-389.	0.9	4

#	Article	IF	Citations
19	Stable chaos in fluctuation driven neural circuits. Chaos, Solitons and Fractals, 2014, 69, 233-245.	2.5	11
20	Structural Stability of the Two-Fold Singularity. SIAM Journal on Applied Dynamical Systems, 2012, 11, 1215-1230.	0.7	16