BenjamÃ-n A Toledo

List of Publications by Year
in descending order

26	873	759055 12	526166 27
papers	citations	h-index	g-index

29	29	29	501
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Multifractal Characteristics of Geomagnetic Field Fluctuations for the Northern and Southern Hemispheres at Swarm Altitude. Entropy, 2021, 23, 558.	1.1	5
2	A Nonlinear System Science Approach to Find the Robust Solar Wind Drivers of the Multivariate Magnetosphere. Space Weather, 2021, 19, e2020SW002634.	1.3	1
3	Pedestrian flow in two dimensions: Optimal psychological stress leads to less evacuation time and decongestion. Physical Review E, 2021, 104, 024312.	0.8	1
4	Modeling interacting city traffic with finite acceleration and braking capacities. Chaos, 2019, 29, 093136.	1.0	4
5	Non-universal critical exponents in earthquake complex networks. Physica A: Statistical Mechanics and Its Applications, 2018, 491, 445-452.	1.2	13
6	Time series analysis in earthquake complex networks. Chaos, 2018, 28, 083128.	1.0	24
7	Critical behavior in earthquake energy dissipation. European Physical Journal B, 2017, 90, 1.	0.6	3
8	Time-Based Network Analysis Before and After the $$M_w$$ M w Â8.3 Illapel Earthquake 2015 Chile. Pure and Applied Geophysics, 2016, 173, 2267-2275.	0.8	20
9	Modeling a bus through a sequence of traffic lights. Chaos, 2015, 25, 073117.	1.0	4
10	Regular transport dynamics produce chaotic travel times. Physical Review E, 2014, 89, 062922.	0.8	5
11	Lagrangian coherent structures at the onset of hyperchaos in the two-dimensional Navier-Stokes equations. Chaos, 2013, 23, 033107.	1.0	8
12	The magnetosphere as a complex system. Advances in Space Research, 2013, 51, 1934-1941.	1.2	26
13	Wavelet-based multifractal analysis of nonlinear time series: The earthquake-driven tsunami of 27 February 2010 in Chile. Physical Review E, 2013, 87, 022821.	0.8	13
14	Non-smooth transitions in a simple city traffic model analyzed through supertracks. Communications in Nonlinear Science and Numerical Simulation, 2013, 18, 81-88.	1.7	12
15	Optimal feedback control of the forced van der Pol system. Chaos, Solitons and Fractals, 2012, 45, 1147-1156.	2.5	8
16	Universal behavior in a model of city traffic with unequal green/red times. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 5230-5243.	1.2	3
17	Characterization of the nontrivial and chaotic behavior that occurs in a simple city traffic model. Chaos, 2010, 20, 013109.	1.0	13
18	Resonance, criticality, and emergence in city traffic investigated in cellular automaton models. Physical Review E, 2009, 80, 056108.	0.8	29

#	Article	IF	Citations
19	Quantitative description of realistic wealth distributions by kinetic trading models. Physical Review E, 2008, 78, 047103.	0.8	6
20	Optimal control in a noisy system. Chaos, 2008, 18, 033106.	1.0	3
21	Universal and nonuniversal features in a model of city traffic. Physical Review E, 2007, 75, 026108.	0.8	113
22	Modeling traffic on crossroads. Physica A: Statistical Mechanics and Its Applications, 2007, 381, 411-419.	1.2	39
23	Cellular automaton model for evacuation process with obstacles. Physica A: Statistical Mechanics and Its Applications, 2007, 382, 631-642.	1.2	341
24	Hysteresis Provides Self-Organization in a Plasma Model. Space Science Reviews, 2006, 122, 313-320.	3.7	15
25	The magnetosphere as a complex system. Advances in Space Research, 2005, 35, 961-971.	1.2	31
26	Modeling traffic through a sequence of traffic lights. Physical Review E, 2004, 70, 016107.	0.8	123