

Juan Carlos Losada

List of Publications by Year in descending order

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Version: 2024-02-01

68
papers

727
citations

706676

14
h-index

651938

25
g-index

72
all docs

72
docs citations

72
times ranked

745
citing authors

#	ARTICLE	IF	CITATIONS
1	Recurrence plots for quantifying the vegetation indices dynamics in a semi-arid grassland. <i>Geoderma</i> , 2022, 406, 115488.	2.3	8
2	Simulation of the Hotellingâ€™Smithies game: Hotelling was not so wrong. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2022, 112, 106513.	1.7	1
3	Industry 4.0 Quantum Strategic Organizational Design Configurations. The Case of 3 Qubits: One Reports to Two. <i>Entropy</i> , 2021, 23, 374.	1.1	2
4	Industry 4.0 Quantum Strategic Organizational Design Configurations. The Case of 3 Qubits: Two Report to One. <i>Entropy</i> , 2021, 23, 426.	1.1	2
5	The Vegetationâ€™Climate System Complexity through Recurrence Analysis. <i>Entropy</i> , 2021, 23, 559.	1.1	5
6	Improvement of Contact Tracing with Citizenâ€™s Distributed Risk Maps. <i>Entropy</i> , 2021, 23, 638.	1.1	1
7	Quantum JIDOKA. Integration of Quantum Simulation on a CNC Machine for Inâ€™Process Control Visualization. <i>Sensors</i> , 2021, 21, 5031.	2.1	2
8	Cellular automaton simulation of the quantum Hotelling game with reservation cost. <i>Quantum Information Processing</i> , 2021, 20, 1.	1.0	2
9	Recurrence techniques for the analysis of vegetation indices and climate anomalies: a study case in semiarid grasslands. , 2021, , .		0
10	Using Distributed Risk Maps by Consensus as a Complement to Contact Tracing Apps. <i>Studies in Computational Intelligence</i> , 2021, , 494-505.	0.7	1
11	Complexity of the Vegetation-Climate System Through Data Analysis. <i>Studies in Computational Intelligence</i> , 2021, , 609-619.	0.7	1
12	Impact of individual actions on the collective response of social systems. <i>Scientific Reports</i> , 2020, 10, 12126.	1.6	1
13	Industry 4.0 Quantum Strategic Organizational Design Configurations. The Case of Two Qubits: One Reports to One. <i>Sensors</i> , 2020, 20, 6977.	2.1	5
14	Scaling properties of binary and greyscale images in the context of X-ray soil tomography. <i>Geoderma</i> , 2020, 365, 114205.	2.3	22
15	Semi-Automatic Training Set Construction for Supervised Sentiment Analysis in Polarized Contexts. <i>Lecture Notes in Social Networks</i> , 2020, , 177-197.	0.8	1
16	Competition games between teams vying for common resources under consensus dynamics on networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 534, 121874.	1.2	0
17	Opinion Polarization during a Dichotomous Electoral Process. <i>Complexity</i> , 2019, 2019, 1-9.	0.9	15
18	Relationship between ideology and language in the Catalan independence context. <i>Scientific Reports</i> , 2019, 9, 17148.	1.6	6

#	ARTICLE	IF	CITATIONS
19	Scaling Characteristics of Soil Structure. Progress in Soil Science, 2018, , 155-193.	0.4	6
20	Multiscaling properties of soil images. Biosystems Engineering, 2018, 168, 133-141.	1.9	17
21	Multifractal analysis of 3D images of tillage soil. Geoderma, 2018, 311, 167-174.	2.3	38
22	Recurrent Patterns of User Behavior in Different Electoral Campaigns: A Twitter Analysis of the Spanish General Elections of 2015 and 2016. Complexity, 2018, 2018, 1-15.	0.9	8
23	Scientific Knowledge Construction. A Proposal of a Prognostic Model Based on Disciplinary Complement Networks. , 2018, , .		0
24	Robust Distributed Voting Mechanism by Consensus. , 2018, , .		3
25	Semi-Automatic Training Set Construction for Supervised Sentiment Analysis in Political Contexts. , 2018, , .		4
26	Bifurcation and Chaos in the Logistic Map with Memory. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2017, 27, 1750190.	0.7	4
27	ANÁLISIS DE LA SIMULACIÓN Y MONITOREO REAL DE UN INVERNADERO EN LA IMPLICACIÓN TÉRMICA DE UN EDIFICIO. UN CASO PRÁCTICO.. Dyna (Spain), 2017, 92, 209-213.	0.1	2
28	Frequency analysis of the laser driven nonlinear dynamics of HCN. Journal of Chemical Physics, 2016, 145, 244309.	1.2	7
29	Agricultural activity shapes the mobility patterns in Senegal. , 2016, , .		0
30	Agricultural activity shapes the communication and migration patterns in Senegal. Chaos, 2016, 26, 065305.	1.0	5
31	Analyzing the usage of social media during spanish presidential electoral campaigns. , 2016, , .		3
32	Underlying conservation and stability laws in nonlinear propagation of axicon-generated Bessel beams. Physical Review A, 2015, 92, .	1.0	16
33	Using the small alignment index chaos indicator to characterize the vibrational dynamics of a molecular system: LINC-LiCN. Physical Review E, 2015, 92, 042918.	0.8	5
34	Measuring political polarization: Twitter shows the two sides of Venezuela. Chaos, 2015, 25, 033114.	1.0	119
35	Editorial on "Multiplex networks: Structure, dynamics and applications" Chaos, Solitons and Fractals, 2015, 72, 1-3.	2.5	4
36	Multiple leaders on a multilayer social media. Chaos, Solitons and Fractals, 2015, 72, 90-98.	2.5	30

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37	Characterizing ethnic interactions from human communication patterns in Ivory Coast. <i>Networks and Heterogeneous Media</i> , 2015, 10, 87-99.	0.5	8
38	Preface: "New trends, models and applications in complex and multiplex networks". <i>Networks and Heterogeneous Media</i> , 2015, 10, .	0.5	0
39	Geometrical analysis of the LiCN vibrational dynamics: A stability geometrical indicator. <i>Physical Review E</i> , 2014, 89, 022901.	0.8	5
40	Mapping the online communication patterns of political conversations. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014, 414, 403-413.	1.2	16
41	Adapting physics courses in an engineering school to the b-learning philosophy. <i>European Journal of Engineering Education</i> , 2014, 39, 496-506.	1.5	2
42	Efficiency of human activity on information spreading on Twitter. <i>Social Networks</i> , 2014, 39, 1-11.	1.3	66
43	Effect of the local morphology in the field emission properties of conducting polymer surfaces. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 285106.	0.7	6
44	Analysis of the Full Vibrational Dynamics of the LiNC/LiCN Molecular System. <i>Springer Proceedings in Mathematics and Statistics</i> , 2013, , 77-88.	0.1	4
45	Community Structure in a Soil Porous System. <i>Soil Science</i> , 2012, 177, 81-87.	0.9	3
46	Users structure and behavior on an online social network during a political protest. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2012, 391, 5244-5253.	1.2	41
47	Arquitectura y construcción tabicada en torno a Eduardo Sacriste. <i>Informes De La Construcción</i> , 2012, 64, 35-50.	0.1	7
48	Characterizing and modeling an electoral campaign in the context of Twitter: 2011 Spanish Presidential election as a case study. <i>Chaos</i> , 2012, 22, 023138.	1.0	68
49	An adaptive stochastic model for financial markets. <i>Chaos, Solitons and Fractals</i> , 2012, 45, 899-908.	2.5	2
50	Serendipity in social networks. <i>Networks and Heterogeneous Media</i> , 2012, 7, 363-371.	0.5	3
51	Preface: Mesoscales and evolution in complex networks: Applications and related topics. <i>Networks and Heterogeneous Media</i> , 2012, 7, i-iii.	0.5	0
52	DYNAMICAL DISORDER AND SELF-CORRELATION IN THE CHARACTERIZATION OF NONLINEAR SYSTEMS: APPLICATION TO DETERMINISTIC CHAOS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2011, 21, 963-983.	0.7	2
53	On the topology of optical transport networks. <i>Journal of Physics: Conference Series</i> , 2010, 246, 012013.	0.3	0
54	Compatibility as underlying mechanism behind the evolution of networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2010, 389, 1789-1798.	1.2	8

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55	Effect of irregularities in the work function and field emission properties of metals. Journal of Applied Physics, 2010, 108, 114512.	1.1	1
56	Soil porous system as heterogeneous complex network. Geoderma, 2010, 160, 13-21.	2.3	26
57	Chaos in the classical mechanics of bound and quasi-bound $HX\hat{a}^{\text{e}}4He$ complexes with $X = F, Cl, Br, CN$. Physical Chemistry Chemical Physics, 2009, 11, 8203.	1.3	4
58	Frequency map analysis of the 3D vibrational dynamics of the LiCN/LiNC molecular system. European Physical Journal: Special Topics, 2008, 165, 183-193.	1.2	10
59	Frequency analysis of the molecular vibrations of HCP. Journal of Chemical Physics, 2008, 129, 164316.	1.2	9
60	Multiscaling of porous soils as heterogeneous complex networks. Nonlinear Processes in Geophysics, 2008, 15, 893-902.	0.6	17
61	Global dynamics of nonrigid triatomic molecular systems of three degrees of freedom. AIP Conference Proceedings, 2007, , .	0.3	1
62	Global dynamical structure in a 3D model for LiCN. AIP Conference Proceedings, 2007, , .	0.3	0
63	Frequency map analysis and scars in molecular vibrations. International Journal of Quantum Chemistry, 2002, 86, 167-174.	1.0	4
64	Scars in Molecular Vibrations and Spectra of LiCN. Foundations of Physics, 2001, 31, 147-163.	0.6	3
65	Multifractal analysis of tori destruction in a molecular Hamiltonian system. Physical Review E, 2001, 65, 016213.	0.8	25
66	PERIODIC ORBITS AND CHAOS IN THE CLASSICAL AND QUANTUM MECHANICS OF MOLECULAR SYSTEMS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 1999, 09, 2285-2290.	0.7	0
67	Local frequency analysis and the structure of classical phase space of the LiNC/LiCN molecular system. Journal of Chemical Physics, 1998, 108, 63-71.	1.2	34
68	Analysis and design of a low-power high-voltage high-frequency power supply for ozone generation. , 0, , .		5