Juan Carlos Losada

List of Publications by Year
in descending order

68	727	706676 14	651938 25
papers	citations	h-index	g-index

72	72	72	745
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Measuring political polarization: Twitter shows the two sides of Venezuela. Chaos, 2015, 25, 033114.	1.0	119
2	Characterizing and modeling an electoral campaign in the context of Twitter: 2011 Spanish Presidential election as a case study. Chaos, 2012, 22, 023138.	1.0	68
3	Efficiency of human activity on information spreading on Twitter. Social Networks, 2014, 39, 1-11.	1.3	66
4	Users structure and behavior on an online social network during a political protest. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 5244-5253.	1.2	41
5	Multifractal analysis of 3D images of tillage soil. Geoderma, 2018, 311, 167-174.	2.3	38
6	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
7	Multiple leaders on a multilayer social media. Chaos, Solitons and Fractals, 2015, 72, 90-98.	2.5	30
8	Soil porous system as heterogeneous complex network. Geoderma, 2010, 160, 13-21.	2.3	26
9	Multifractal analysis of tori destruction in a molecular Hamiltonian system. Physical Review E, 2001, 65, 016213.	0.8	25
10	Scaling properties of binary and greyscale images in the context of X-ray soil tomography. Geoderma, 2020, 365, 114205.	2.3	22
11	Multiscaling of porous soils as heterogeneous complex networks. Nonlinear Processes in Geophysics, 2008, 15, 893-902.	0.6	17
12	Multiscaling properties of soil images. Biosystems Engineering, 2018, 168, 133-141.	1.9	17
13	Mapping the online communication patterns of political conversations. Physica A: Statistical Mechanics and Its Applications, 2014, 414, 403-413.	1.2	16
14	Underlying conservation and stability laws in nonlinear propagation of axicon-generated Bessel beams. Physical Review A, 2015, 92, .	1.0	16
15	Opinion Polarization during a Dichotomous Electoral Process. Complexity, 2019, 2019, 1-9.	0.9	15
16	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
17	Frequency analysis of the molecular vibrations of HCP. Journal of Chemical Physics, 2008, 129, 164316.	1.2	9
18	Compatibility as underlying mechanism behind the evolution of networks. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 1789-1798.	1.2	8

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19	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
20	Recurrence plots for quantifying the vegetation indices dynamics in a semi-arid grassland. Geoderma, 2022, 406, 115488.	2.3	8
21	Characterizing ethnic interactions from human communication patterns in Ivory Coast. Networks and Heterogeneous Media, 2015, 10, 87-99.	0.5	8
22	Arquitectura y construcciÃ³n tabicada en torno a Eduardo Sacriste. Informes De La Construccion, 2012, 64, 35-50.	0.1	7
23	Frequency analysis of the laser driven nonlinear dynamics of HCN. Journal of Chemical Physics, 2016, 145, 244309.	1.2	7
24	Effect of the local morphology in the field emission properties of conducting polymer surfaces. Journal of Physics Condensed Matter, 2013, 25, 285106.	0.7	6
25	Scaling Characteristics of Soil Structure. Progress in Soil Science, 2018, , 155-193.	0.4	6
26	Relationship between ideology and language in the Catalan independence context. Scientific Reports, 2019, 9, 17148.	1.6	6
27	Analysis and design of a low-power high-voltage high-frequency power supply for ozone generation. , 0, , .		5
28	Geometrical analysis of the LiCN vibrational dynamics: A stability geometrical indicator. Physical Review E, 2014, 89, 022901.	0.8	5
29	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
30	Agricultural activity shapes the communication and migration patterns in Senegal. Chaos, 2016, 26, 065305.	1.0	5
31	Industry 4.0 Quantum Strategic Organizational Design Configurations. The Case of Two Qubits: One Reports to One. Sensors, 2020, 20, 6977.	2.1	5
32	The Vegetationâ€“Climate System Complexity through Recurrence Analysis. Entropy, 2021, 23, 559.	1.1	5
33	Frequency map analysis and scars in molecular vibrations. International Journal of Quantum Chemistry, 2002, 86, 167-174.	1.0	4
34	Chaos in the classical mechanics of bound and quasi-bound HXâ€“4He complexes with X = F, Cl, Br, CN. Physical Chemistry Chemical Physics, 2009, 11, 8203.	1.3	4
35	Analysis of the Full Vibrational Dynamics of the LiNC/LiCN Molecular System. Springer Proceedings in Mathematics and Statistics, 2013, , 77-88.	0.1	4
36	Editorial on â€œMultiplex networks: Structure, dynamics and applicationsâ€• Chaos, Solitons and Fractals, 2015, 72, 1-3.	2.5	4

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37	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
38	Semi-Automatic Training Set Construction for Supervised Sentiment Analysis in Political Contexts. , 2018, , .		4
39	Scars in Molecular Vibrations and Spectra of LiCN. Foundations of Physics, 2001, 31, 147-163.	0.6	3
40	Community Structure in a Soil Porous System. Soil Science, 2012, 177, 81-87.	0.9	3
41	Analyzing the usage of social media during spanish presidential electoral campaigns. , 2016, , .		3
42	Robust Distributed Voting Mechanism by Consensus. , 2018, , .		3
43	Serendipity in social networks. Networks and Heterogeneous Media, 2012, 7, 363-371.	0.5	3
44	DYNAMICAL DISORDER AND SELF-CORRELATION IN THE CHARACTERIZATION OF NONLINEAR SYSTEMS: APPLICATION TO DETERMINISTIC CHAOS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2011, 21, 963-983.	0.7	2
45	An adaptive stochastic model for financial markets. Chaos, Solitons and Fractals, 2012, 45, 899-908.	2.5	2
46	Adapting physics courses in an engineering school to the b-learning philosophy. European Journal of Engineering Education, 2014, 39, 496-506.	1.5	2
47	Industry 4.0 Quantum Strategic Organizational Design Configurations. The Case of 3 Qubits: One Reports to Two. Entropy, 2021, 23, 374.	1.1	2
48	Industry 4.0 Quantum Strategic Organizational Design Configurations. The Case of 3 Qubits: Two Report to One. Entropy, 2021, 23, 426.	1.1	2
49	Quantum JIDOKA. Integration of Quantum Simulation on a CNC Machine for Inâ€“Process Control Visualization. Sensors, 2021, 21, 5031.	2.1	2
50	Cellular automaton simulation of the quantum Hotelling game with reservation cost. Quantum Information Processing, 2021, 20, 1.	1.0	2
51	ANÃLISIS DE LA SIMULACIÃ“N Y MONITOREO REAL DE UN INVERNADERO EN LA IMPLICACIÃ“N TÃ‰RMICA DE UN EDIFICIO. UN CASO PRÃCTICO.. Dyna (Spain), 2017, 92, 209-213.	0.1	2
52	Global dynamics of nonrigid triatomic molecular systems of three degrees of freedom. AIP Conference Proceedings, 2007, , .	0.3	1
53	Effect of irregularities in the work function and field emission properties of metals. Journal of Applied Physics, 2010, 108, 114512.	1.1	1
54	Impact of individual actions on the collective response of social systems. Scientific Reports, 2020, 10, 12126.	1.6	1

#	Article	IF	Citations
55	Improvement of Contact Tracing with Citizenâ€™s Distributed Risk Maps. Entropy, 2021, 23, 638.	1.1	1
56	Semi-Automatic Training Set Construction for Supervised Sentiment Analysis in Polarized Contexts. Lecture Notes in Social Networks, 2020, , 177-197.	0.8	1
57	Using Distributed Risk Maps by Consensus as a Complement to Contact Tracing Apps. Studies in Computational Intelligence, 2021, , 494-505.	0.7	1
58	Complexity of the Vegetation-Climate System Through Data Analysis. Studies in Computational Intelligence, 2021, , 609-619.	0.7	1
59	Simulation of the Hotellingâ€“Smithies game: Hotelling was not so wrong. Communications in Nonlinear Science and Numerical Simulation, 2022, 112, 106513.	1.7	1
60	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
61	Global dynamical structure in a 3D model for LiCN. AIP Conference Proceedings, 2007, , .	0.3	0
62	On the topology of optical transport networks. Journal of Physics: Conference Series, 2010, 246, 012013.	0.3	0
63	Agricultural activity shapes the mobility patterns in Senegal. , 2016, , .		0
64	Scientific Knowledge Construction. A Proposal of a Prognostic Model Based on Disciplinary Complement Networks. , 2018, , .		0
65	Competition games between teams vying for common resources under consensus dynamics on networks. Physica A: Statistical Mechanics and Its Applications, 2019, 534, 121874.	1.2	0
66	Recurrence techniques for the analysis of vegetation indices and climate anomalies: a study case in semiarid grasslands. , 2021, , .		0
67	Preface: Mesoscales and evolution in complex networks: Applications and related topics. Networks and Heterogeneous Media, 2012, 7, i-iii.	0.5	0
68	Preface: "New trends, models and applications in complex and multiplex networks". Networks and Heterogeneous Media, 2015, 10, .	0.5	0