

Juan Manuel Pastor Ruiz

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

40
papers

611
citations

12
h-index

24
g-index

44
ext. papers

690
ext. citations

3.5
avg, IF

3.76
L-index

#	Paper	IF	Citations
40	Super-Rough Dynamics on Tumor Growth. <i>Physical Review Letters</i> , 1998 , 81, 4008-4011	7.4	164
39	Weighted-Interaction Nestedness Estimator (WINE): A new estimator to calculate over frequency matrices. <i>Environmental Modelling and Software</i> , 2009 , 24, 1342-1346	5.2	75
38	Scaling in the aggregation dynamics of a magnetorheological fluid. <i>Physical Review E</i> , 2007 , 76, 051403	2.4	58
37	Shear rheology of fluid interfaces: Closing the gap between macro- and micro-rheology. <i>Current Opinion in Colloid and Interface Science</i> , 2018 , 37, 33-48	7.6	28
36	Rough growth and morphological instability of compact electrodeposits. <i>Physical Review Letters</i> , 1996 , 76, 1848-1851	7.4	28
35	Magnetic microwire probes for the magnetic rod interfacial stress rheometer. <i>Langmuir</i> , 2015 , 31, 1410-20		27
34	A magnetic rod interfacial shear rheometer driven by a mobile magnetic trap. <i>Journal of Rheology</i> , 2016 , 60, 1095-1113	4.1	23
33	Removing interactions, rather than species, casts doubt on the high robustness of pollination networks. <i>Oikos</i> , 2016 , 125, 526-534	4	19
32	Rethinking the logistic approach for population dynamics of mutualistic interactions. <i>Journal of Theoretical Biology</i> , 2014 , 363, 332-43	2.3	18
31	Aggregation and disaggregation dynamics of sedimented and charged superparamagnetic micro-particles in water suspension. <i>European Physical Journal E</i> , 2011 , 34, 36	1.5	18
30	The architecture of weighted mutualistic networks. <i>Oikos</i> , 2012 , 121, 1154-1162	4	14
29	Robustness of Alpine Pollination Networks: Effects of Network Structure and Consequences for Endemic Plants. <i>Arctic, Antarctic, and Alpine Research</i> , 2014 , 46, 568-580	1.8	13
28	Experimental characterization of hydration and pinning in bentonite clay, a swelling, heterogeneous, porous medium. <i>Geoderma</i> , 2006 , 134, 295-305	6.7	12
27	New dynamic scaling in increasing systems. <i>Open Physics</i> , 2007 , 5,	1.3	11
26	Ranking of critical species to preserve the functionality of mutualistic networks using the -core decomposition. <i>PeerJ</i> , 2017 , 5, e3321	3.1	9
25	Dynamic Measurements with the Bicone Interfacial Shear Rheometer: Numerical Bench-Marking of Flow Field-Based Data Processing. <i>Colloids and Interfaces</i> , 2018 , 2, 69	3	9
24	The stochastic stabilized Kuramoto-Sivashinsky equation: a model for compact electrodeposition growth. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1997 , 235, 464-468	2.3	8

23	Finite resolution effects in the analysis of the scaling behavior of rough surfaces. <i>Physical Review E</i> , 2000 , 61, 6015-8	2.4	7
22	Effects of topology on robustness in ecological bipartite networks. <i>Networks and Heterogeneous Media</i> , 2012 , 7, 429-440	1.6	7
21	Relaxation time of the global order parameter on multiplex networks: The role of interlayer coupling in Kuramoto oscillators. <i>Physical Review E</i> , 2017 , 96, 042312	2.4	6
20	Instabilities in the growth of compact electrodeposits. <i>Physica D: Nonlinear Phenomena</i> , 1996 , 96, 384-395	3.3	6
19	Inducing self-organized criticality in a network toy model by neighborhood assortativity. <i>Physical Review E</i> , 2016 , 94, 052304	2.4	5
18	Small scale properties of the stochastic stabilized Kuramoto-Sivashinsky equation. <i>Physica D: Nonlinear Phenomena</i> , 1998 , 113, 166-171	3.3	5
17	Analytical solution to a nonseparable interaction model for a one-dimensional fluid of anisotropic molecules near a hard wall. <i>Physical Review E</i> , 1999 , 59, 1957-1967	2.4	5
16	Core Microbiota in Central Lung Cancer With Streptococcal Enrichment as a Possible Diagnostic Marker. <i>Archivos De Bronconeumologia</i> , 2020 ,	0.7	5
15	Flow field-based data analysis in interfacial shear rheometry. <i>Advances in Colloid and Interface Science</i> , 2021 , 288, 102332	14.3	5
14	Two-walks degree assortativity in graphs and networks. <i>Applied Mathematics and Computation</i> , 2017 , 311, 262-271	2.7	4
13	BiconeDrag data processing application for the oscillating conical bob interfacial shear rheometer. <i>Computer Physics Communications</i> , 2019 , 239, 184-196	4.2	4
12	Anomalous consistency in Mild Cognitive Impairment: A complex networks approach. <i>Chaos, Solitons and Fractals</i> , 2015 , 70, 144-155	9.3	4
11	Electrostatic and hydrodynamics effects in a sedimented magnetorheological suspension. <i>Physical Review E</i> , 2009 , 80, 021405	2.4	4
10	Dragging in mutualistic networks. <i>Networks and Heterogeneous Media</i> , 2015 , 10, 37-52	1.6	3
9	On one-dimensional fluids of anisotropic molecules near a hard wall. <i>Molecular Physics</i> , 1993 , 79, 709-720	0.7	3
8	A General Model of Population Dynamics Accounting for Multiple Kinds of Interaction. <i>Complexity</i> , 2020 , 2020, 1-14	1.6	2
7	A Structural Approach to Disentangle the Visualization of Bipartite Biological Networks. <i>Complexity</i> , 2018 , 2018, 1-11	1.6	1
6	BiconeDrag updated data processing application for the oscillating conical bob interfacial shear rheometer. <i>Computer Physics Communications</i> , 2021 , 267, 108074	4.2	1

5	A simple and bounded model of population dynamics for mutualistic networks. <i>Networks and Heterogeneous Media</i> , 2015 , 10, 53-70	1.6	o
4	Implication of Different Tumor Biomarkers in Drug Resistance and Invasiveness in Primary and Metastatic Colorectal Cancer Cell Lines. <i>Biomedicines</i> , 2022 , 10, 1083	4.8	o
3	Markov chain approach to anomalous diffusion on Newman-Watts networks. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2019 , 2019, 043301	1.9	
2	Dynamic Measurements with the Bicone Interfacial Shear Rheometer: The Effects of the Numerical Implementation of the Interfacial Boundary Condition. <i>Colloids and Interfaces</i> , 2021 , 5, 17	3	
1	Study of a factored general logistic model of population dynamics with inter- and intraspecific interactions. <i>Ecological Modelling</i> , 2021 , 444, 109475	3	