

Charo I Del Genio

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

3,312
citations

623188

14
h-index

642321

23
g-index

30
all docs

30
docs citations

30
times ranked

3275
citing authors

#	ARTICLE	IF	CITATIONS
1	Mean-field nature of synchronization stability in networks with multiple interaction layers. <i>Communications Physics</i> , 2022, 5, .	2.0	3
2	A transposon surveillance mechanism that safeguards plant male fertility during stress. <i>Nature Plants</i> , 2021, 7, 34-41.	4.7	25
3	Structure-based modeling and dynamics of MurM, a <i>Streptococcus pneumoniae</i> penicillin resistance determinant present at the cytoplasmic membrane. <i>Structure</i> , 2021, 29, 731-742.e6.	1.6	7
4	Data Mining a Medieval Medical Text Reveals Patterns in Ingredient Choice That Reflect Biological Activity against Infectious Agents. <i>MBio</i> , 2020, 11, .	1.8	15
5	The Tetrazole Analogue of the Auxin Indole-3-acetic Acid Binds Preferentially to TIR1 and Not AFB5. <i>ACS Chemical Biology</i> , 2018, 13, 2585-2594.	1.6	13
6	Evolutionary Conserved Cysteines Function as cis-Acting Regulators of Arabidopsis PIN-FORMED 2 Distribution. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2274.	1.8	28
7	Analysis of the communities of an urban mobile phone network. <i>PLoS ONE</i> , 2017, 12, e0174198.	1.1	19
8	Finding network communities using modularity density. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2016, 2016, 123402.	0.9	21
9	Synchronization in networks with multiple interaction layers. <i>Science Advances</i> , 2016, 2, e1601679.	4.7	93
10	Tomographic docking suggests the mechanism of auxin receptor TIR1 selectivity. <i>Open Biology</i> , 2016, 6, 160139.	1.5	24
11	Synchronization in dynamical networks with unconstrained structure switching. <i>Physical Review E</i> , 2015, 92, 062819.	0.8	16
12	Exact sampling of graphs with prescribed degree correlations. <i>New Journal of Physics</i> , 2015, 17, 083052.	1.2	31
13	Fast and accurate determination of modularity and its effect size. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2015, 2015, P02003.	0.9	22
14	Degree Correlations in Directed Scale-Free Networks. <i>PLoS ONE</i> , 2014, 9, e110121.	1.1	50
15	The structure and dynamics of multilayer networks. <i>Physics Reports</i> , 2014, 544, 1-122.	10.3	2,469
16	Endemic infections are always possible on regular networks. <i>Physical Review E</i> , 2013, 88, 040801.	0.8	14
17	Constructing and sampling directed graphs with given degree sequences. <i>New Journal of Physics</i> , 2012, 14, 023012.	1.2	52
18	All Scale-Free Networks Are Sparse. <i>Physical Review Letters</i> , 2011, 107, 178701.	2.9	116

#	ARTICLE	IF	CITATIONS
19	Emergent bipartiteness in a society of knights and knaves. New Journal of Physics, 2011, 13, 103038.	1.2	5
20	Depth-dependent ordering, two-length-scale phenomena, and crossover behavior in a crystal featuring a skin layer with defects. Physical Review B, 2010, 81, .	1.1	4
21	Phase diagram for a two-dimensional, two-temperature, diffusiveXYmodel. Physical Review E, 2010, 82, 040102.	0.8	2
22	Anomalous ordering in inhomogeneously strained materials. Physical Review E, 2010, 82, 031115.	0.8	0
23	Efficient and Exact Sampling of Simple Graphs with Given Arbitrary Degree Sequence. PLoS ONE, 2010, 5, e10012.	1.1	115
24	Depth-dependent critical behavior in $\langle V \rangle \sim V^2 \langle H \rangle$ Physical Review B, 2009, 79, .		