Charo I Del Genio

List of Publications by Year
in descending order

24 papers	3,312 citations	623734 14 h-index	642732 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. Communications Physics, 2022, 5, .	5.3	3
2	A transposon surveillance mechanism that safeguards plant male fertility during stress. Nature Plants, 2021, 7, 34-41.	9.3	25
3	Structure-based modeling and dynamics of MurM, a Streptococcus pneumoniae penicillin resistance determinant present at the cytoplasmic membrane. Structure, 2021, 29, 731-742.e6.	3.3	7
4	Data Mining a Medieval Medical Text Reveals Patterns in Ingredient Choice That Reflect Biological Activity against Infectious Agents. MBio, 2020, 11, .	4.1	15
5	The Tetrazole Analogue of the Auxin Indole-3-acetic Acid Binds Preferentially to TIR1 and Not AFB5. ACS Chemical Biology, 2018, 13, 2585-2594.	3.4	13
6	Evolutionary Conserved Cysteines Function as cis-Acting Regulators of Arabidopsis PIN-FORMED 2 Distribution. International Journal of Molecular Sciences, 2017, 18, 2274.	4.1	28
7	Analysis of the communities of an urban mobile phone network. PLoS ONE, 2017, 12, e0174198.	2.5	19
8	Finding network communities using modularity density. Journal of Statistical Mechanics: Theory and Experiment, 2016, 2016, 123402.	2.3	21
9	Synchronization in networks with multiple interaction layers. Science Advances, 2016, 2, e1601679.	10.3	93
10	Tomographic docking suggests the mechanism of auxin receptor TIR1 selectivity. Open Biology, 2016, 6, 160139.	3.6	24
11	Synchronization in dynamical networks with unconstrained structure switching. Physical Review E, 2015, 92, 062819.	2.1	16
12	Exact sampling of graphs with prescribed degree correlations. New Journal of Physics, 2015, 17, 083052.	2.9	31
13	Fast and accurate determination of modularity and its effect size. Journal of Statistical Mechanics: Theory and Experiment, 2015, 2015, P02003.	2.3	22
14	Degree Correlations in Directed Scale-Free Networks. PLoS ONE, 2014, 9, e110121.	2.5	50
15	The structure and dynamics of multilayer networks. Physics Reports, 2014, 544, 1-122.	25.6	2,469
16	Endemic infections are always possible on regular networks. Physical Review E, 2013, 88, 040801.	2.1	14
17	Constructing and sampling directed graphs with given degree sequences. New Journal of Physics, 2012, 14, 023012.	2.9	52
18	All Scale-Free Networks Are Sparse. Physical Review Letters, 2011, 107, 178701.	7.8	116

#	Article	IF	Citations
19	Emergent bipartiteness in a society of knights and knaves. New Journal of Physics, 2011, 13, 103038.	2.9	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, .	3.2	4
21	Phase diagram for a two-dimensional, two-temperature, diffusive XY model. Physical Review E, 2010, 82, 040102.	2.1	2
22	Anomalous ordering in inhomogeneously strained materials. Physical Review E, 2010, 82, 031115.	2.1	0
23	Efficient and Exact Sampling of Simple Graphs with Given Arbitrary Degree Sequence. PLoS ONE, 2010, 5, e10012.	2.5	115
24	Depth-dependent critical behavior in V_2H Physical Review B, 2009, 79, .	3.2	2