

Clara Granell

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

1,993
citations

687363

13
h-index

794594

19
g-index

23
all docs

23
docs citations

23
times ranked

1856
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Dynamical Interplay between Awareness and Epidemic Spreading in Multiplex Networks. <i>Physical Review Letters</i> , 2013, 111, 128701. | 7.8 | 715 |
| 2 | The physics of spreading processes in multilayer networks. <i>Nature Physics</i> , 2016, 12, 901-906. | 16.7 | 430 |
| 3 | Competing spreading processes on multiplex networks: Awareness and epidemics. <i>Physical Review E</i> , 2014, 90, 012808. | 2.1 | 280 |
| 4 | Modeling the Spatiotemporal Epidemic Spreading of COVID-19 and the Impact of Mobility and Social Distancing Interventions. <i>Physical Review X</i> , 2020, 10, . | 8.9 | 85 |
| 5 | Emergence of Assortative Mixing between Clusters of Cultured Neurons. <i>PLoS Computational Biology</i> , 2014, 10, e1003796. | 3.2 | 61 |
| 6 | Benchmark model to assess community structure in evolving networks. <i>Physical Review E</i> , 2015, 92, 012805. | 2.1 | 60 |
| 7 | Detection of timescales in evolving complex systems. <i>Scientific Reports</i> , 2016, 6, 39713. | 3.3 | 37 |
| 8 | Epidemic spreading in localized environments with recurrent mobility patterns. <i>Physical Review E</i> , 2018, 97, 052302. | 2.1 | 36 |
| 9 | HIERARCHICAL MULTIREOLUTION METHOD TO OVERCOME THE RESOLUTION LIMIT IN COMPLEX NETWORKS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2012, 22, 1250171. | 1.7 | 27 |
| 10 | Virus spread versus contact tracing: Two competing contagion processes. <i>Physical Review Research</i> , 2021, 3, . | 3.6 | 23 |
| 11 | Mesoscopic analysis of networks: Applications to exploratory analysis and data clustering. <i>Chaos</i> , 2011, 21, 016102. | 2.5 | 21 |
| 12 | Pulsating campaigns of human prophylaxis driven by risk perception palliate oscillations of direct contact transmitted diseases. <i>Physical Review Research</i> , 2020, 2, . | 3.6 | 17 |
| 13 | Spontaneous Functional Recovery after Focal Damage in Neuronal Cultures. <i>ENeuro</i> , 2020, 7, ENEURO.0254-19.2019. | 1.9 | 13 |
| 14 | Behavioural response to heterogeneous severity of COVID-19 explains temporal variation of cases among different age groups. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2022, 380, 20210119. | 3.4 | 10 |
| 15 | Information transfer in community structured multiplex networks. <i>Frontiers in Physics</i> , 2015, 3, . | 2.1 | 7 |
| 16 | UNSUPERVISED CLUSTERING ANALYSIS: A MULTISCALE COMPLEX NETWORKS APPROACH. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2012, 22, 1230023. | 1.7 | 6 |
| 17 | Structural Patterns in Complex Systems Using Multidendrograms. <i>Entropy</i> , 2013, 15, 5464-5474. | 2.2 | 6 |
| 18 | Functional strengthening through synaptic scaling upon connectivity disruption in neuronal cultures. <i>Network Neuroscience</i> , 2020, 4, 1160-1180. | 2.6 | 5 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Epidemic spreading: Tailored models for COVID-19. Europhysics News, 2020, 51, 38-40. | 0.3 | 0 |