Filipi N Silva

List of Publications by Year in Descending Order

44 papers	568 citations	14 h-index	23 g-index
48 ext. papers	726 ext. citations	4.1 avg, IF	4.06 L-index

#	Paper	IF	Citations
44	Methods for Gene Co-expression Network Visualization and Analysis **2022**, 143-163		0
43	Finding contrasting patterns in rhythmic properties between prose and poetry. *Physica A: Statistical Mechanics and Its Applications*, **2022**, 127387	3.3	0
42	Contrarian effects and echo chamber formation in opinion dynamics. *Journal of Physics Complexity*, **2021**, 2, 025010	1.8	
41	Classification of abrupt changes along viewing profiles of scientific articles. *Journal of Informetrics*, **2021**, 15, 101158	3.1	
40	A comparative analysis of knowledge acquisition performance in complex networks. *Information Sciences*, **2021**, 555, 46-57	7.7	2
39	Enriching and analyzing small citation networks: A case study on transistors history. *Physica A: Statistical Mechanics and Its Applications*, **2021**, 573, 125901	3.3	0
38	FURY: advanced scientific visualization. *Journal of Open Source Software*, **2021**, 6, 3384	5.2	1
37	Detecting Climate Teleconnections With Granger Causality. *Geophysical Research Letters*, **2021**, 48, e2021GL094707	4.9	1
36	Associations between author-level metrics in subsequent time periods. *Journal of Informetrics*, **2021**, 15, 101218	3.1	0
35	Recency predicts bursts in the evolution of author citations. *Quantitative Science Studies*, **2020**, 1, 1298-1308	3.8	2
34	A complex network approach to political analysis: Application to the Brazilian Chamber of Deputies. *PLoS ONE*, **2020**, 15, e0229928	3.7	4
33	Opinion diversity and social bubbles in adaptive Sznajd networks. *Journal of Statistical Mechanics: Theory and Experiment*, **2020**, 2020, 023407	1.9	7
32	Complex systems: Features, similarity and connectivity. *Physics Reports*, **2020**, 861, 1-41	27.7	21
31	Malleability of complex networks. *Journal of Statistical Mechanics: Theory and Experiment*, **2019**, 2019, 083203	1.9	
30	Dynamic Gene Network Analysis of Caco-2 Cell Response to Shiga Toxin-Producing -Associated Hemolytic-Uremic Syndrome. *Microorganisms*, **2019**, 7,	4.9	3
29	Connecting network science and information theory. *Physica A: Statistical Mechanics and Its Applications*, **2019**, 515, 641-648	3.3	6
28	Representation of texts as complex networks: a mesoscopic approach. *Journal of Complex Networks* , **2018**, 6, 125-144	1.7	14

27	Characterizing BJTs using the Early voltage in the forward active mode. *International Journal of Circuit Theory and Applications*, **2018**, 46, 978-986	2	0
26	A pattern recognition approach to transistor array parameter variance. *Physica A: Statistical Mechanics and Its Applications*, **2018**, 499, 176-185	3.3	
25	Negative feedback, linearity and parameter invariance in linear electronics. *Electrical Engineering*, **2018**, 100, 1159-1181	1.5	1
24	The dynamics of knowledge acquisition via self-learning in complex networks. *Chaos*, **2018**, 28, 083106	3.3	6
23	Topological characterization of world cities. *Journal of Statistical Mechanics: Theory and Experiment*, **2018**, 2018, 083212	1.9	5
22	Patterns of authors contribution in scientific manuscripts. *Journal of Informetrics*, **2017**, 11, 498-510	3.1	39
21	Biological network border detection. *Integrative Biology (United Kingdom)*, **2017**, 9, 947-955	3.7	1
20	Knowledge acquisition: A Complex networks approach. *Information Sciences*, **2017**, 421, 154-166	7.7	38
19	Concentric network symmetry. *Information Sciences*, **2016**, 333, 61-80	7.7	6
18	Modular transcriptional repertoire and MicroRNA target analyses characterize genomic dysregulation in the thymus of Down syndrome infants. *Oncotarget*, **2016**, 7, 7497-533	3.3	15
17	A diffusion-based approach to obtaining the borders of urban areas. *Journal of Statistical Mechanics: Theory and Experiment*, **2016**, 2016, 053205	1.9	2
16	Seeking maximum linearity of transfer functions. *Review of Scientific Instruments*, **2016**, 87, 124701	1.7	2
15	Using network science and text analytics to produce surveys in a scientific topic. *Journal of Informetrics*, **2016**, 10, 487-502	3.1	69
14	Concentric network symmetry grasps authors' styles in word adjacency networks. *Europhysics Letters*, **2015**, 110, 68001	1.6	32
13	A framework for evaluating complex networks measurements. *Europhysics Letters*, **2015**, 110, 68002	1.6	2
12	Thermodynamic characterization of networks using graph polynomials. *Physical Review E*, **2015**, 92, 032812	2.4	24
11	Community structure analysis of transcriptional networks reveals distinct molecular pathways for early- and late-onset temporal lobe epilepsy with childhood febrile seizures. *PLoS ONE*, **2015**, 10, e0128174	3.7	11
10	Methods for Gene Coexpression Network Visualization and Analysis **2014**, 79-94		

9	Thymus Gene Coexpression Networks: A Comparative Study in Children with and Without Down Syndrome **2014**, 123-136		
8	Quantifying the interdisciplinarity of scientific journals and fields. *Journal of Informetrics*, **2013**, 7, 469-477	3.1	35
7	Complex network analysis of CA3 transcriptome reveals pathogenic and compensatory pathways in refractory temporal lobe epilepsy. *PLoS ONE*, **2013**, 8, e79913	3.7	20
6	Investigating relationships within and between category networks in Wikipedia. *Journal of Informetrics*, **2011**, 5, 431-438	3.1	16
5	Identifying the borders of mathematical knowledge. *Journal of Physics A: Mathematical and Theoretical*, **2010**, 43, 325202	2	9
4	A pattern recognition approach to complex networks. *Journal of Statistical Mechanics: Theory and Experiment*, **2010**, 2010, P11015	1.9	13
3	Concentric characterization and classification of complex network nodes: Application to an institutional collaboration network. *Physica A: Statistical Mechanics and Its Applications*, **2008**, 387, 6201-6214	2.3	16
2	Hierarchical Characterization of Complex Networks. *Journal of Statistical Physics*, **2006**, 125, 841-872	1.5	47
1	Visualizing big science projects. *Nature Reviews Physics*,	23.6	0