

Alejandro P Riascos

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6818380/publications.pdf>

Version: 2024-02-01

33
papers

617
citations

623574

14
h-index

610775

24
g-index

35
all docs

35
docs citations

35
times ranked

298
citing authors

#	ARTICLE	IF	CITATIONS
1	Fractional dynamics on networks: Emergence of anomalous diffusion and Lévy flights. <i>Physical Review E</i> , 2014, 90, 032809.	0.8	59
2	Long-range navigation on complex networks using Lévy random walks. <i>Physical Review E</i> , 2012, 86, 056110.	0.8	58
3	Random walks on networks with stochastic resetting. <i>Physical Review E</i> , 2020, 101, 062147.	0.8	50
4	Emergence of encounter networks due to human mobility. <i>PLoS ONE</i> , 2017, 12, e0184532.	1.1	36
5	Technological evolution of cyclodextrins in the pharmaceutical field. <i>Journal of Drug Delivery Science and Technology</i> , 2021, 61, 102156.	1.4	32
6	Random multi-hopper model: super-fast random walks on graphs. <i>Journal of Complex Networks</i> , 2018, 6, 382-403.	1.1	30
7	Networks and long-range mobility in cities: A study of more than one billion taxi trips in New York City. <i>Scientific Reports</i> , 2020, 10, 4022.	1.6	29
8	Fractional diffusion on circulant networks: emergence of a dynamical small world. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2015, 2015, P07015.	0.9	28
9	Diffusive transport on networks with stochastic resetting to multiple nodes. <i>Physical Review E</i> , 2021, 103, 062126.	0.8	24
10	Fractional random walk lattice dynamics. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2017, 50, 055003.	0.7	21
11	Human mobility in bike-sharing systems: Structure of local and non-local dynamics. <i>PLoS ONE</i> , 2019, 14, e0213106.	1.1	19
12	A Markovian random walk model of epidemic spreading. <i>Continuum Mechanics and Thermodynamics</i> , 2021, 33, 1207-1221.	1.4	19
13	Random walks with long-range steps generated by functions of Laplacian matrices. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2018, 2018, 043404.	0.9	16
14	Random walks on weighted networks: a survey of local and non-local dynamics. <i>Journal of Complex Networks</i> , 2021, 9, .	1.1	16
15	A fractional generalization of the classical lattice dynamics approach. <i>Chaos, Solitons and Fractals</i> , 2016, 92, 43-50.	2.5	14
16	Continuous time random walk and diffusion with generalized fractional Poisson process. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 545, 123294.	1.2	14
17	Fractional quantum mechanics on networks: Long-range dynamics and quantum transport. <i>Physical Review E</i> , 2015, 92, 052814.	0.8	13
18	Recurrence of random walks with long-range steps generated by fractional Laplacian matrices on regular networks and simple cubic lattices. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2017, 50, 505004.	0.7	13

#	ARTICLE	IF	CITATIONS
19	Nonlocal biased random walks and fractional transport on directed networks. <i>Physical Review E</i> , 2020, 102, 022142.	0.8	13
20	When Cyclodextrins Met Data Science: Unveiling Their Pharmaceutical Applications through Network Science and Text-Mining. <i>Pharmaceutics</i> , 2021, 13, 1297.	2.0	13
21	Generalized Fractional Poisson Process and Related Stochastic Dynamics. <i>Fractional Calculus and Applied Analysis</i> , 2020, 23, 656-693.	1.2	13
22	Biased Continuous-Time Random Walks with Mittag-Leffler Jumps. <i>Fractal and Fractional</i> , 2020, 4, 51.	1.6	11
23	On discrete time Prabhakar-generalized fractional Poisson processes and related stochastic dynamics. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021, 565, 125541.	1.2	11
24	Simple model of epidemic dynamics with memory effects. <i>Physical Review E</i> , 2022, 105, 024205.	0.8	11
25	Mean encounter times for multiple random walkers on networks. <i>Physical Review E</i> , 2021, 103, 042312.	0.8	10
26	Aging in transport processes on networks with stochastic cumulative damage. <i>Physical Review E</i> , 2019, 100, 022312.	0.8	9
27	Discrete-time random walks and Lévy flights on arbitrary networks: when resetting becomes advantageous?. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2022, 55, 274002.	0.7	9
28	Universal scaling of the distribution of land in urban areas. <i>Physical Review E</i> , 2017, 96, 032302.	0.8	8
29	Trapping efficiency of random walks on weighted scale-free trees. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2021, 2021, 063405.	0.9	5
30	Random walks on networks with preferential cumulative damage: generation of bias and aging. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2021, 2021, 063401.	0.9	4
31	Asymmetric random walks with bias generated by discrete-time counting processes. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2022, 109, 106121.	1.7	3
32	Activity of vehicles in the bus rapid transit system Metrobús in Mexico City. <i>Scientific Reports</i> , 2022, 12, 98.	1.6	3
33	Optimal exploration of random walks with local bias on networks. <i>Physical Review E</i> , 2022, 105, 044318.	0.8	3