Alejandro P Riascos

List of Publications by Year
in descending order

33	617	623734	610901
papers	citations	14 h-index	24 g-index

35	35	35	298
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Asymmetric random walks with bias generated by discrete-time counting processes. Communications in Nonlinear Science and Numerical Simulation, 2022, 109, 106121.	3.3	3
2	Activity of vehicles in the bus rapid transit system MetrobÃºs in Mexico City. Scientific Reports, 2022, 12, 98.	3.3	3
3	Simple model of epidemic dynamics with memory effects. Physical Review E, 2022, 105, 024205.	2.1	11
4	Optimal exploration of random walks with local bias on networks. Physical Review E, 2022, 105, 044318.	2.1	3
5	Discrete-time random walks and LÃ©vy flights on arbitrary networks: when resetting becomes advantageous?. Journal of Physics A: Mathematical and Theoretical, 2022, 55, 274002.	2.1	9
6	Technological evolution of cyclodextrins in the pharmaceutical field. Journal of Drug Delivery Science and Technology, 2021, 61, 102156.	3.0	32
7	Random walks on weighted networks: a survey of local and non-local dynamics. Journal of Complex Networks, 2021, 9, .	1.8	16
8	On discrete time Prabhakar-generalized fractional Poisson processes and related stochastic dynamics. Physica A: Statistical Mechanics and Its Applications, 2021, 565, 125541.	2.6	11
9	Mean encounter times for multiple random walkers on networks. Physical Review E, 2021, 103, 042312.	2.1	10
10	Trapping efficiency of random walks on weighted scale-free trees. Journal of Statistical Mechanics: Theory and Experiment, 2021, 2021, 063405.	2.3	5
11	Diffusive transport on networks with stochastic resetting to multiple nodes. Physical Review E, 2021, 103, 062126.	2.1	24
12	Random walks on networks with preferential cumulative damage: generation of bias and aging. Journal of Statistical Mechanics: Theory and Experiment, 2021, 2021, 063401.	2.3	4
13	When Cyclodextrins Met Data Science: Unveiling Their Pharmaceutical Applications through Network Science and Text-Mining. Pharmaceutics, 2021, 13, 1297.	4.5	13
14	A Markovian random walk model of epidemic spreading. Continuum Mechanics and Thermodynamics, 2021, 33, 1207-1221.	2.2	19
15	Continuous time random walk and diffusion with generalized fractional Poisson process. Physica A: Statistical Mechanics and Its Applications, 2020, 545, 123294.	2.6	14
16	Biased Continuous-Time Random Walks with Mittag-Leffler Jumps. Fractal and Fractional, 2020, 4, 51.	3.3	11
17	Nonlocal biased random walks and fractional transport on directed networks. Physical Review E, 2020, 102, 022142.	2.1	13
18	Networks and long-range mobility in cities: A study of more than one billion taxi trips in New York City. Scientific Reports, 2020, 10, 4022.	3.3	29

#	Article	IF	Citations
19	Random walks on networks with stochastic resetting. Physical Review E, 2020, 101, 062147.	2.1	50
20	Generalized Fractional Poisson Process and Related Stochastic Dynamics. Fractional Calculus and Applied Analysis, 2020, 23, 656-693.	2.2	13
21	Aging in transport processes on networks with stochastic cumulative damage. Physical Review E, 2019, 100, 022312.	2.1	9
22	Human mobility in bike-sharing systems: Structure of local and non-local dynamics. PLoS ONE, 2019, 14, e0213106.	2.5	19
23	Random multi-hopper model: super-fast random walks on graphs. Journal of Complex Networks, 2018, 6, 382-403.	1.8	30
24	Random walks with long-range steps generated by functions of Laplacian matrices. Journal of Statistical Mechanics: Theory and Experiment, 2018, 2018, 043404.	2.3	16
25	Fractional random walk lattice dynamics. Journal of Physics A: Mathematical and Theoretical, 2017, 50, 055003.	2.1	21
26	Recurrence of random walks with long-range steps generated by fractional Laplacian matrices on regular networks and simple cubic lattices. Journal of Physics A: Mathematical and Theoretical, 2017, 50, 505004.	2.1	13
27	Universal scaling of the distribution of land in urban areas. Physical Review E, 2017, 96, 032302.	2.1	8
28	Emergence of encounter networks due to human mobility. PLoS ONE, 2017, 12, e0184532.	2.5	36
29	A fractional generalization of the classical lattice dynamics approach. Chaos, Solitons and Fractals, 2016, 92, 43-50.	5.1	14
30	Fractional quantum mechanics on networks: Long-range dynamics and quantum transport. Physical Review E, 2015, 92, 052814.	2.1	13
31	Fractional diffusion on circulant networks: emergence of a dynamical small world. Journal of Statistical Mechanics: Theory and Experiment, 2015, 2015, P07015.	2.3	28
32	Fractional dynamics on networks: Emergence of anomalous diffusion and LÃ©vy flights. Physical Review E, 2014, 90, 032809.	2.1	59
33	Long-range navigation on complex networks using LÃ©vy random walks. Physical Review E, 2012, 86, 056110.	2.1	58