Peter Straka

List of Publications by Year
in descending order

18	520	840728 11	839512 18
papers	citations	h-index	g-index

18	18	18	339
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Fractional Fokker-Planck Equations for Subdiffusion with Space- and Time-Dependent Forces. Physical Review Letters, 2010, 105, 170602.	7.8	114
2	Inverse Stable Subordinators. Mathematical Modelling of Natural Phenomena, 2013, 8, 1-16.	2.4	106
3	Semi-Markov approach to continuous time random walk limit processes. Annals of Probability, 2014, 42, .	1.8	53
4	Lagging and leading coupled continuous time random walks, renewal times and their joint limits. Stochastic Processes and Their Applications, 2011, 121, 324-336.	0.9	50
5	Generalized Continuous Time Random Walks, Master Equations, and Fractional Fokker–Planck Equations. SIAM Journal on Applied Mathematics, 2015, 75, 1445-1468.	1.8	26
6	Transport equations for subdiffusion with nonlinear particle interaction. Journal of Theoretical Biology, 2015, 366, 71-83.	1.7	26
7	Reflected spectrally negative stable processes and their governing equations. Transactions of the American Mathematical Society, 2016, 368, 227-248.	0.9	23
8	Limit theorems and governing equations for LÃ©vy walks. Stochastic Processes and Their Applications, 2015, 125, 4021-4038.	0.9	22
9	Variable order fractional Fokkerâ€“Planck equations derived from Continuous Time Random Walks. Physica A: Statistical Mechanics and Its Applications, 2018, 503, 451-463.	2.6	21
10	Stochastic solution to a time-fractional attenuated wave equation. Nonlinear Dynamics, 2012, 70, 1273-1281.	5.2	12
11	Fractional wave equations with attenuation. Fractional Calculus and Applied Analysis, 2013, 16, 262-272.	2.2	12
12	Identification of Pollutant Source for Superâ€Diffusion in Aquifers and Rivers with Bounded Domains. Water Resources Research, 2018, 54, 7092-7108.	4.2	11
13	Fractional Dynamics at Multiple Times. Journal of Statistical Physics, 2012, 149, 878-886.	1.2	10
14	Estimation of fractal dimension and fractal curvatures from digital images. Chaos, Solitons and Fractals, 2015, 75, 134-152.	5.1	10
15	Overcoming the data drought: exploring general practice in Australia by network analysis of big data. Medical Journal of Australia, 2018, 209, 68-73.	1.7	9
16	Fokkerâ€“Planck and Kolmogorov backward equations for continuous time random walk scaling limits. Proceedings of the American Mathematical Society, 2016, 145, 399-412.	0.8	6
17	A Semi-Markov Algorithm for Continuous Time Random Walk Limit Distributions. Mathematical Modelling of Natural Phenomena, 2016, 11, 34-50.	2.4	5
18	Identifying patients using antidepressants for the treatment of depression: A predictive algorithm for use in pharmaceutical and medical claims data. Pharmacoepidemiology and Drug Safety, 2019, 28, 354-361.	1.9	4