Trifce Sandev

List of Publications by Citations

78 papers	1,276 citations	22 h-index	32 g-index
79 ext. papers	1,558 ext. citations	2.5 avg, IF	5.44 L-index

#	Paper	IF	Citations
78	Fractional diffusion equation with a generalized Riemann□iouville time fractional derivative. *Journal of Physics A: Mathematical and Theoretical*, **2011**, 44, 255203	2	72
77	Generalized Langevin equation with a three parameter Mittag-Leffler noise. *Physica A: Statistical Mechanics and Its Applications*, **2011**, 390, 3627-3636	3.3	68
76	Distributed-order diffusion equations and multifractality: Models and solutions. *Physical Review E*, **2015**, 92, 042117	2.4	66
75	Diffusion and Fokker-Planck-Smoluchowski Equations with Generalized Memory Kernel. *Fractional Calculus and Applied Analysis*, **2015**, 18, 1006-1038	2.7	64
74	Crossover from anomalous to normal diffusion: truncated power-law noise correlations and applications to dynamics in lipid bilayers. *New Journal of Physics*, **2018**, 20, 103027	2.9	58
73	Generalized space□ime fractional diffusion equation with composite fractional time derivative. *Physica A: Statistical Mechanics and Its Applications*, **2012**, 391, 2527-2542	3.3	54
72	From continuous time random walks to the generalized diffusion equation. *Fractional Calculus and Applied Analysis*, **2018**, 21, 10-28	2.7	53
71	Generalized Langevin equation with tempered memory kernel. *Physica A: Statistical Mechanics and Its Applications*, **2017**, 466, 356-369	3.3	42
70	Generalized Langevin Equation and the Prabhakar Derivative. *Mathematics*, **2017**, 5, 66	2.3	41
69	Correlation functions for the fractional generalized Langevin equation in the presence of internal and external noise. *Journal of Mathematical Physics*, **2014**, 55, 023301	1.2	40
68	Langevin equation for a free particle driven by power law type of noises. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2014**, 378, 1-9	2.3	32
67	Beyond monofractional kinetics. *Chaos, Solitons and Fractals*, **2017**, 102, 210-217	9.3	31
66	Comb Model with Slow and Ultraslow Diffusion. *Mathematical Modelling of Natural Phenomena*, **2016**, 11, 18-33	3	31
65	Velocity and displacement correlation functions for fractional generalized Langevin equations. *Fractional Calculus and Applied Analysis*, **2012**, 15,	2.7	30
64	Generalized diffusion-wave equation with memory kernel. *Journal of Physics A: Mathematical and Theoretical*, **2019**, 52, 015201	2	30
63	Fractional Equations and Models. *Developments in Mathematics*, **2019**,	0.5	27
62	Fractional diffusion on a fractal grid comb. *Physical Review E*, **2015**, 91, 032108	2.4	24

61	Heterogeneous diffusion in comb and fractal grid structures. *Chaos, Solitons and Fractals*, **2018**, 114, 551-555	9.3	24
60	Harmonic and anharmonic quantum-mechanical oscillators in noninteger dimensions. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2014**, 378, 109-116	2.3	24
59	The general time fractional wave equation for a vibrating string. *Journal of Physics A: Mathematical and Theoretical*, **2010**, 43, 055204	2	24
58	Time-dependent Schrödinger-like equation with nonlocal term. *Journal of Mathematical Physics*, **2014**, 55, 092105	1.2	23
57	Effects of a fractional friction with power-law memory kernel on string vibrations. *Computers and Mathematics With Applications*, **2011**, 62, 1554-1561	2.7	22
56	Models for characterizing the transition among anomalous diffusions with different diffusion exponents. *Journal of Physics A: Mathematical and Theoretical*, **2018**, 51, 405002	2	21
55	Lévy processes on a generalized fractal comb. *Journal of Physics A: Mathematical and Theoretical*, **2016**, 49, 355001	2	19
54	Exact solutions for fractional diffusion equation in a bounded domain with different boundary conditions. *Nonlinear Dynamics*, **2013**, 71, 671-683	5	19
53	Anomalous diffusion on a fractal mesh. *Physical Review E*, **2017**, 95, 052107	2.4	19
52	Asymptotic behavior of a harmonic oscillator driven by a generalized Mittag-Leffler noise. *Physica Scripta*, **2010**, 82, 065001	2.6	17
51	Fractional wave equation with a frictional memory kernel of Mittag-Leffler type. *Applied Mathematics and Computation*, **2012**, 218, 10022-10031	2.7	16
50	Delayed feedback control of fractional-order chaotic systems. *Journal of Physics A: Mathematical and Theoretical*, **2010**, 43, 445102	2	16
49	Resetting dynamics in a confining potential. *Journal of Physics A: Mathematical and Theoretical*, **2020**, 53, 505003	2	16
48	Finite-velocity diffusion on a comb. *Europhysics Letters*, **2018**, 124, 20005	1.6	16
47	Generalised Geometric Brownian Motion: Theory and Applications to Option Pricing. *Entropy*, **2020**, 22,	2.8	14
46	Lévy Transport in Slab Geometry of Inhomogeneous Media. *Mathematical Modelling of Natural Phenomena*, **2016**, 11, 51-62	3	14
45	Quenched and annealed disorder mechanisms in comb models with fractional operators. *Physical Review E*, **2020**, 101, 022135	2.4	12
44	Generalized distributed order diffusion equations with composite time fractional derivative. *Computers and Mathematics With Applications*, **2017**, 73, 1028-1040	2.7	12

43	Stochastic resetting on comblike structures. *Physical Review Research*, **2020**, 2,	3.9	12
42	Generalized Cattaneo (telegrapher's) equations in modeling anomalous diffusion phenomena. *Physical Review E*, **2020**, 102, 022128	2.4	11
41	Geometric Brownian motion under stochastic resetting: A stationary yet nonergodic process. *Physical Review E*, **2021**, 104, 014121	2.4	11
40	Space-Time Fractional Schrödinger Equation With Composite Time Fractional Derivative. *Fractional Calculus and Applied Analysis*, **2015**, 18, 1179-1200	2.7	10
39	Effective Potential from the Generalized Time-Dependent Schrödinger Equation. *Mathematics*, **2016**, 4, 59	2.3	10
38	Generalized time-dependent Schrödinger equation in two dimensions under constraints. *Journal of Mathematical Physics*, **2018**, 59, 012104	1.2	9
37	Distributed-order wave equations with composite time fractional derivative. *International Journal of Computer Mathematics*, **2018**, 95, 1100-1113	1.2	9
36	Lévy walk with parameter dependent velocity: Hermite polynomial approach and numerical simulation. *Journal of Physics A: Mathematical and Theoretical*, **2020**, 53, 115002	2	7
35	Reliability of Poisson-Nernst-Planck Anomalous Models for Impedance Spectroscopy. *Journal of Physical Chemistry B*, **2019**, 123, 7885-7892	3.4	7
34	Diffusion–Advection Equations on a Comb: Resetting and Random Search. *Mathematics*, **2021**, 9, 221	2.3	7
33	The time-dependent Schrödinger equation in three dimensions under geometric constraints. *Journal of Mathematical Physics*, **2019**, 60, 032101	1.2	6
32	Solutions for a fractional diffusion equation in heterogeneous media. *Journal of Statistical Mechanics: Theory and Experiment*, **2019**, 2019, 033205	1.9	6
31	Splitting of Spectra in Anharmonic Oscillators Described by Kratzer Potential Function. *Communications in Theoretical Physics*, **2010**, 54, 138-142	2.4	6
30	Hitting times in turbulent diffusion due to multiplicative noise. *Physical Review E*, **2020**, 102, 042109	2.4	6
29	Constrained quantum motion in δ-potential and application of a generalized integral operator. *Computers and Mathematics With Applications*, **2019**, 78, 1695-1704	2.7	6
28	Reaction and ultraslow diffusion on comb structures. *Physical Review E*, **2020**, 101, 042119	2.4	6
27	Continuous time random walks under Markovian resetting. *Physical Review E*, **2021**, 103, 022103	2.4	6
26	Random search on comb. *Journal of Physics A: Mathematical and Theoretical*, **2019**, 52, 465001	2	5

25	Analytical Solution of Generalized Space-Time Fractional Cable Equation. *Mathematics*, **2015**, 3, 153-170	2.3	5
24	Anomalous diffusion and random search in xyz-comb: exact results. *Journal of Statistical Mechanics: Theory and Experiment*, **2020**, 2020, 053203	1.9	4
23	Thermoelectric mechanism of electromagnetic-acoustic transformation in organic conductors. *Europhysics Letters*, **2008**, 81, 37006	1.6	4
22	First encounters on Bethe lattices and Cayley trees. *Communications in Nonlinear Science and Numerical Simulation*, **2021**, 95, 105594	3.7	4
21	From continuous-time random walks to the fractional Jeffreys equation: Solution and properties. *International Journal of Heat and Mass Transfer*, **2021**, 181, 121839	4.9	4
20	Axially symmetrical molecules in electric and magnetic fields: energy spectrum and selection rules. *Open Physics*, **2013**, 11,	1.3	3
19	Cauchy Type Problems. *Developments in Mathematics*, **2019**, 61-114	0.5	3
18	The time-dependent Schrödinger equation in non-integer dimensions for constrained quantum motion. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2020**, 384, 126866	2.3	3
17	Fractional Schrödinger equation and anomalous relaxation: Nonlocal terms and delta potentials. *Modern Physics Letters A*, **2021**, 36, 2140004	1.3	3
16	Income inequality and mobility in geometric Brownian motion with stochastic resetting: theoretical results and empirical evidence of non-ergodicity.. *Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences*, **2022**, 380, 20210157	3	3
15	Diffusion–reaction processes on a backbone structure. *Communications in Nonlinear Science and Numerical Simulation*, **2020**, 85, 105218	3.7	2
14	Backbone diffusion and first-passage dynamics in a comb structure with confining branches under stochastic resetting. *Journal of Physics A: Mathematical and Theoretical*, **2021**, 54, 404006	2	2
13	Autocorrelation functions and ergodicity in diffusion with stochastic resetting. *Journal of Physics A: Mathematical and Theoretical*,	2	1
12	Tuning of the Dielectric Relaxation and Complex Susceptibility in a System of Polar Molecules: A Generalised Model Based on Rotational Diffusion with Resetting. *Fractal and Fractional*, **2022**, 6, 88	3	1
11	Fractional Diffusion to a Cantor Set in 2D. *Fractal and Fractional*, **2020**, 4, 52	3	1
10	Closed-form multi-dimensional solutions and asymptotic behaviors for subdiffusive processes with crossovers: I. Retarding case. *Chaos, Solitons and Fractals*, **2021**, 152, 111357	9.3	1
9	Comb-like geometric constraints leading to emergence of the time-fractional Schrödinger equation. *Modern Physics Letters A*, **2021**, 36, 2130005	1.3	1
8	Heterogeneous diffusion with stochastic resetting. *Journal of Physics A: Mathematical and Theoretical*, **2022**, 55, 074003	2	0

7	Fractional Wave Equations. *Developments in Mathematics*, **2019**, 213-245	0.5	0
6	Asymmetric Lévy Flights Are More Efficient in Random Search. *Fractal and Fractional*, **2022**, 6, 260	3	0
5	Fractional Generalized Langevin Equation. *Developments in Mathematics*, **2019**, 301-335	0.5	
4	Generalized Differential and Integral Operators. *Developments in Mathematics*, **2019**, 29-59	0.5	
3	Generalized Langevin Equation. *Developments in Mathematics*, **2019**, 247-300	0.5	
2	Introduction: Mittag-Leffler and Other Related Functions. *Developments in Mathematics*, **2019**, 1-28	0.5	
1	Fractional Diffusion and Fokker-Planck Equations. *Developments in Mathematics*, **2019**, 115-211	0.5	