

Paolo Paradisi

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

1,576
citations

430754

18
h-index

302012

39
g-index

43
all docs

43
docs citations

43
times ranked

1172
citing authors

#	ARTICLE	IF	CITATIONS
1	Anomalous diffusion originated by two Markovian hopping-trap mechanisms. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2022, 55, 224012.	0.7	12
2	Online Communication and Body Language. <i>Frontiers in Behavioral Neuroscience</i> , 2021, 15, 709365.	1.0	8
3	Gaussian Processes in Complex Media: New Vistas on Anomalous Diffusion. <i>Frontiers in Physics</i> , 2019, 7, .	1.0	5
4	Finite-energy Lévy-type motion through heterogeneous ensemble of Brownian particles. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2019, 52, 095601.	0.7	13
5	A Hypothesis About Parallelism vs. Seriality in Dreams. <i>Frontiers in Psychology</i> , 2019, 10, 2299.	1.1	0
6	Centre-of-Mass Like Superposition of Ornstein–Uhlenbeck Processes: A Pathway to Non-Autonomous Stochastic Differential Equations and to Fractional Diffusion. <i>Fractional Calculus and Applied Analysis</i> , 2018, 21, 1420-1435.	1.2	12
7	Langevin equation in complex media and anomalous diffusion. <i>Journal of the Royal Society Interface</i> , 2018, 15, 20180282.	1.5	31
8	Intermittency-Driven Complexity in Signal Processing. , 2017, , 161-195.		5
9	Fractional kinetics emerging from ergodicity breaking in random media. <i>Physical Review E</i> , 2016, 94, 052147.	0.8	47
10	A stochastic solution with Gaussian stationary increments of the symmetric space-time fractional diffusion equation. <i>Fractional Calculus and Applied Analysis</i> , 2016, 19, 408-440.	1.2	25
11	Self-organized dynamical complexity in human wakefulness and sleep: Different critical brain-activity feedback for conscious and unconscious states. <i>Physical Review E</i> , 2015, 92, 032808.	0.8	40
12	Scaling laws of turbulence intermittency in the atmospheric boundary layer: the role of stability. <i>Journal of Physics: Conference Series</i> , 2015, 633, 012065.	0.3	0
13	A renewal model for the emergence of anomalous solute crowding in liposomes. <i>BMC Systems Biology</i> , 2015, 9, S7.	3.0	11
14	A random field approach to the Lagrangian modeling of turbulent transport in vegetated canopies. <i>Journal of Physics: Conference Series</i> , 2015, 633, 012082.	0.3	0
15	Scaling law of diffusivity generated by a noisy telegraph signal with fractal intermittency. <i>Chaos, Solitons and Fractals</i> , 2015, 81, 451-462.	2.5	8
16	Source identification by a statistical analysis of backward trajectories based on peak pollution events. <i>International Journal of Environment and Pollution</i> , 2014, 55, 94.	0.2	7
17	Sleep unconsciousness and breakdown of serial critical intermittency: New vistas on the global workspace. <i>Chaos, Solitons and Fractals</i> , 2013, 55, 32-43.	2.5	20
18	Is temporal scaling at the basis of allometry?. <i>Physics of Life Reviews</i> , 2013, 10, 233-234.	1.5	3

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19	Diffusion Scaling in Event-Driven Random Walks: An Application to Turbulence. Reports on Mathematical Physics, 2012, 70, 205-220.	0.4	12
20	Scaling laws of diffusion and time intermittency generated by coherent structures in atmospheric turbulence. Nonlinear Processes in Geophysics, 2012, 19, 113-126.	0.6	14
21	Corrigendum to "Scaling laws of diffusion and time intermittency generated by coherent structures in atmospheric turbulence" published in Nonlin. Processes Geophys., 19, 113-126, 2012. Nonlinear Processes in Geophysics, 2012, 19, 685-685.	0.6	4
22	Noisy cooperative intermittent processes: From blinking quantum dots to human consciousness. Journal of Physics: Conference Series, 2011, 306, 012027.	0.3	7
23	A fast model for pollutant dispersion at the neighbourhood scale. International Journal of Environment and Pollution, 2011, 47, 207.	0.2	3
24	Fractal complexity in spontaneous EEG metastable-state transitions: new vistas on integrated neural dynamics. Frontiers in Physiology, 2010, 1, 128.	1.3	66
25	Climate change assessment for Mediterranean agricultural areas by statistical downscaling. Natural Hazards and Earth System Sciences, 2010, 10, 1647-1661.	1.5	37
26	Complex intermittency blurred by noise: Theory and application to neural dynamics. Physical Review E, 2010, 82, 015103.	0.8	22
27	Spontaneous brain activity as a source of ideal $\langle f \rangle$ noise. Physical Review E, 2009, 80, 061914.	0.8	100
28	Superstatistics and renewal critical events. Open Physics, 2009, 7, .	0.8	11
29	Perturbation-induced emergence of Poisson-like behavior in non-Poisson systems. Journal of Statistical Mechanics: Theory and Experiment, 2009, 2009, P01013.	0.9	14
30	A Simple Model for Spatially-averaged Wind Profiles Within and Above an Urban Canopy. Boundary-Layer Meteorology, 2008, 127, 131-151.	1.2	76
31	RENEWAL AGING IN NON-HOMOGENEOUS POISSON PROCESSES WITH PERIODIC RATE MODULATION. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2008, 18, 2681-2691.	0.7	11
32	A fluctuating environment as a source of periodic modulation. Chemical Physics Letters, 2007, 438, 336-340.	1.2	18
33	Aging and renewal events in sporadically modulated systems. Chaos, Solitons and Fractals, 2007, 34, 11-18.	2.5	16
34	Periodic trend and fluctuations: The case of strong correlation. Physica A: Statistical Mechanics and Its Applications, 2006, 371, 157-170.	1.2	21
35	Renewal, modulation, and superstatistics in times series. Physical Review E, 2006, 73, 046136.	0.8	41
36	Fluorescence intermittency in blinking quantum dots: Renewal or slow modulation?. Journal of Chemical Physics, 2005, 123, 174704.	1.2	54

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37	Relations between Lagrangian models and synthetic random velocity fields. <i>Physical Review E</i> , 2004, 70, 046305.	0.8	4
38	Numerical Determination of Personal Aerosol Sampler Aspiration Efficiency. <i>Journal of Occupational and Environmental Hygiene</i> , 2003, 18, 244-255.	0.5	4
39	Discrete random walk models for space-time fractional diffusion. <i>Chemical Physics</i> , 2002, 284, 521-541.	0.9	236
40	Fractional diffusion: probability distributions and random walk models. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2002, 305, 106-112.	1.2	79
41	Time Fractional Diffusion: A Discrete Random Walk Approach. <i>Nonlinear Dynamics</i> , 2002, 29, 129-143.	2.7	311
42	The fractional Fick's law for non-local transport processes. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2001, 293, 130-142.	1.2	143