

From diffusion to anomalous diffusion: A century after

Chaos

15, 026103

DOI: [10.1063/1.1860472](https://doi.org/10.1063/1.1860472)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Introduction: 100years of Brownian motion. Chaos, 2005, 15, 026101.	1.0	144
2	FRACTIONAL RELAXATION AND TIME-FRACTIONAL DIFFUSION OF DISTRIBUTED ORDER. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 1-21.	0.4	4
3	Solution of a modified fractional diffusion equation. Physica A: Statistical Mechanics and Its Applications, 2006, 367, 136-144.	1.2	96
4	Random walk approach to the analytic solution of random systems with multiplicative noiseâ€”The Anderson localization problem. Physica A: Statistical Mechanics and Its Applications, 2006, 369, 251-265.	1.2	4
5	Weighted average finite difference methods for fractional diffusion equations. Journal of Computational Physics, 2006, 216, 264-274.	1.9	303
6	Fractional vector calculus for fractional advectionâ€”dispersion. Physica A: Statistical Mechanics and Its Applications, 2006, 367, 181-190.	1.2	159
7	Coupled continuous time random walks in finance. Physica A: Statistical Mechanics and Its Applications, 2006, 370, 114-118.	1.2	169
8	Hamiltonian formalism of fractional systems. European Physical Journal B, 2006, 49, 93-101.	0.6	39
9	Field-Induced Dispersion in Subdiffusion. Physical Review Letters, 2006, 97, 140602.	2.9	150
10	Fractional Fokker-Planck dynamics: Numerical algorithm and simulations. Physical Review E, 2006, 73, 046133.	0.8	91
11	Anomalous diffusion with linear reaction dynamics: From continuous time random walks to fractional reaction-diffusion equations. Physical Review E, 2006, 74, 031116.	0.8	210
12	Subdiffusive target problem: Survival probability. Physical Review E, 2007, 76, 051114.	0.8	46
13	Escape driven by \pm -stable white noises. Physical Review E, 2007, 75, 021109.	0.8	82
14	Turing pattern formation with fractional diffusion and fractional reactions. Journal of Physics Condensed Matter, 2007, 19, 065115.	0.7	40
15	From the trajectory to the density memory. Chaos, Solitons and Fractals, 2007, 34, 19-32.	2.5	13
16	Continuous-time random walks in an oscillating field: Field-induced dispersion and the death of linear response. Chaos, Solitons and Fractals, 2007, 34, 81-86.	2.5	14
17	Continuous-time random walk and parametric subordination in fractional diffusion. Chaos, Solitons and Fractals, 2007, 34, 87-103.	2.5	145
18	Some aspects of fractional diffusion equations of single and distributed order. Applied Mathematics and Computation, 2007, 187, 295-305.	1.4	139

#	ARTICLE	IF	CITATIONS
19	Fractional Reproduction-Dispersal Equations and Heavy Tail Dispersal Kernels. <i>Bulletin of Mathematical Biology</i> , 2007, 69, 2281-2297.	0.9	69
20	Numerical solutions for fractional reaction-diffusion equations. <i>Computers and Mathematics With Applications</i> , 2008, 55, 2212-2226.	1.4	112
22	Ratchet transport with subdiffusion. <i>European Physical Journal: Special Topics</i> , 2008, 157, 167-171.	1.2	1
23	Single-file diffusion through inhomogeneous nanopores. <i>Journal of Chemical Physics</i> , 2008, 128, 114712.	1.2	7
24	Tempered anomalous diffusion in heterogeneous systems. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	228
25	Generalized fractional diffusion equations for accelerating subdiffusion and truncated Lévy flights. <i>Physical Review E</i> , 2008, 78, 021111.	0.8	102
26	Time-fractional Diffusion of Distributed Order. <i>JVC/Journal of Vibration and Control</i> , 2008, 14, 1267-1290.	1.5	170
27	Size-selectivity and anomalous subdiffusion of nanoparticles through carbon nanofiber-based membranes. <i>Nanotechnology</i> , 2008, 19, 415301.	1.3	13
28	Anomalous subdiffusion with multispecies linear reaction dynamics. <i>Physical Review E</i> , 2008, 77, 021111.	0.8	77
29	Continuous-time random walk for open systems: Fluctuation theorems and counting statistics. <i>Physical Review E</i> , 2008, 77, 051119.	0.8	50
30	Relativistic Brownian motion. <i>Physics Reports</i> , 2009, 471, 1-73.	10.3	177
31	Some recent advances in theory and simulation of fractional diffusion processes. <i>Journal of Computational and Applied Mathematics</i> , 2009, 229, 400-415.	1.1	116
32	Numerical method and analytical technique of the modified anomalous subdiffusion equation with a nonlinear source term. <i>Journal of Computational and Applied Mathematics</i> , 2009, 231, 160-176.	1.1	177
33	Continuous-time random walk with correlated waiting times. <i>Physical Review E</i> , 2009, 80, 031112.	0.8	72
34	Brownian subordinators and fractional Cauchy problems. <i>Transactions of the American Mathematical Society</i> , 2009, 361, 3915-3915.	0.5	77
35	Anomalous diffusion and semimartingales. <i>Europhysics Letters</i> , 2009, 86, 60010.	0.7	38
36	Time-fractional radial diffusion in hollow geometries. <i>Meccanica</i> , 2010, 45, 577-583.	1.2	29
37	Slow and sustained release of active cytokines from self-assembling peptide scaffolds. <i>Journal of Controlled Release</i> , 2010, 145, 231-239.	4.8	204

#	ARTICLE	IF	CITATIONS
38	Implicit numerical approximation scheme for the fractional Fokker-Planck equation. Applied Mathematics and Computation, 2010, 216, 1945-1955.	1.4	7
39	Confidence interval estimation under the presence of non-Gaussian random errors: Applications to uncertainty analysis of chemical processes and simulation. Computers and Chemical Engineering, 2010, 34, 298-305.	2.0	9
40	Trotter products and reaction-diffusion equations. Journal of Computational and Applied Mathematics, 2010, 233, 1596-1600.	1.1	0
41	The -Wright Function in Time-Fractional Diffusion Processes: A Tutorial Survey. International Journal of Differential Equations, 2010, 2010, 1-29.	0.3	81
42	Continuous time random walk with generic waiting time and external force. Physical Review E, 2010, 81, 051126.	0.8	14
43	SCALING LIMITS FOR TIME-FRACTIONAL DIFFUSION-WAVE SYSTEMS WITH RANDOM INITIAL DATA. Stochastics and Dynamics, 2010, 10, 1-35.	0.6	7
44	SUBORDINATION OF DYNAMICAL EVOLUTION. Fluctuation and Noise Letters, 2010, 09, 271-275.	1.0	0
45	Can anomalous diffusion describe depositional fluvial profiles?. Journal of Geophysical Research, 2010, 115, .	3.3	42
46	On the generation of anomalous and ultraslow diffusion. Journal of Physics A: Mathematical and Theoretical, 2011, 44, 405006.	0.7	10
47	Time Transformation for Random Walks in the Quenched Trap Model. Physical Review Letters, 2011, 106, 140602.	2.9	28
48	Continuous time random walk: Galilei invariance and relation for the $\langle n \rangle$ th moment. Journal of Physics A: Mathematical and Theoretical, 2011, 44, 035004.	0.7	1
49	Continuous-time random walks on bounded domains. Physical Review E, 2011, 83, 012105.	0.8	11
50	Numerical method for solving diffusion-wave phenomena. Journal of Computational and Applied Mathematics, 2011, 235, 3121-3137.	1.1	26
51	Finite element approximation for a modified anomalous subdiffusion equation. Applied Mathematical Modelling, 2011, 35, 4103-4116.	2.2	97
52	Anomalous diffusion in viscosity landscapes. New Journal of Physics, 2011, 13, 043031.	1.2	11
53	Continuous-time random walk: exact solutions for the probability density function and first two moments. Physica Scripta, 2011, 84, 045022.	1.2	3
54	The Anderson localization problem, the Fermi-Pasta-Ulam paradox and the generalized diffusion approach. Physica Scripta, 2011, 84, 065002.	1.2	2
55	First-passage-time processes and subordinated Schramm-Loewner evolution. Physical Review E, 2011, 84, 011134.	0.8	19

#	ARTICLE	IF	CITATIONS
56	AN ADVANCED MESHLESS METHOD FOR TIME FRACTIONAL DIFFUSION EQUATION. International Journal of Computational Methods, 2011, 08, 653-665.	0.8	46
57	Critical Fluctuations in Cortical Models Near Instability. Frontiers in Physiology, 2012, 3, 331.	1.3	39
58	Survival probability of an immobile target in a sea of evanescent diffusive or subdiffusive traps: A fractional equation approach. Physical Review E, 2012, 86, 061120.	0.8	30
59	Subdiffusion in a system with thin membranes. Physical Review E, 2012, 86, 021123.	0.8	18
60	Qualitative properties of solutions to a time-space fractional evolution equation. Quarterly of Applied Mathematics, 2012, 70, 133-157.	0.5	54
61	FRACTAL MODEL OF FISSION PRODUCT RELEASE IN NUCLEAR FUEL. International Journal of Modern Physics C, 2012, 23, 1250057.	0.8	0
62	Finite Difference/Element Method for a Two-Dimensional Modified Fractional Diffusion Equation. Advances in Applied Mathematics and Mechanics, 2012, 4, 496-518.	0.7	95
63	On the invariance of spatially inhomogeneous relaxation processes. Journal of Physics A: Mathematical and Theoretical, 2012, 45, 015003.	0.7	3
64	Fractional-time random walk subdiffusion and anomalous transport with finite mean residence times: Faster, not slower. Physical Review E, 2012, 86, 021113.	0.8	28
65	Power-law connections: From Zipf to Heaps and beyond. Annals of Physics, 2012, 332, 56-74.	1.0	16
66	Weak subordination breaking for the quenched trap model. Physical Review E, 2012, 86, 041137.	0.8	22
67	Generalized Klein-Kramers equations. Journal of Chemical Physics, 2012, 137, 234102.	1.2	8
68	Minimal model for short-time diffusion in periodic potentials. Physical Review E, 2012, 86, 061135.	0.8	13
69	A Langevin approach to the Log-Gauss-Pareto composite statistical structure. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 5598-5610.	1.2	22
71	Asymptotics for Exponential Levy Processes and Their Volatility Smile: Survey and New Results. SSRN Electronic Journal, 2012, , .	0.4	6
72	On finite difference methods for fourth-order fractional diffusion-wave and subdiffusion systems. Applied Mathematics and Computation, 2012, 218, 5019-5034.	1.4	70
73	Implicit compact difference schemes for the fractional cable equation. Applied Mathematical Modelling, 2012, 36, 4027-4043.	2.2	49
74	Force correlations in molecular and stochastic dynamics. Computer Physics Communications, 2012, 183, 1574-1577.	3.0	3

#	ARTICLE	IF	CITATIONS
75	Long time asymptotics of a Brownian particle coupled with a random environment with non-diffusive feedback force. <i>Stochastic Processes and Their Applications</i> , 2012, 122, 844-884.	0.4	0
76	Integro-differential equation for joint probability density in phase space associated with continuous-time random walk. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2012, 391, 3858-3864.	1.2	6
77	A new regularization method for a Cauchy problem of the time fractional diffusion equation. <i>Advances in Computational Mathematics</i> , 2012, 36, 377-398.	0.8	35
78	Identifying an unknown source in time-fractional diffusion equation by a truncation method. <i>Applied Mathematics and Computation</i> , 2013, 219, 5972-5983.	1.4	62
79	A fourth-order compact solution of the two-dimensional modified anomalous fractional sub-diffusion equation with a nonlinear source term. <i>Computers and Mathematics With Applications</i> , 2013, 66, 1345-1359.	1.4	50
80	INTEGRO-DIFFERENTIAL EQUATIONS ASSOCIATED WITH CONTINUOUS-TIME RANDOM WALK. <i>International Journal of Modern Physics B</i> , 2013, 27, 1330006.	1.0	12
81	Statistical universality and the method of Poissonian randomizations. <i>European Physical Journal: Special Topics</i> , 2013, 216, 3-20.	1.2	8
82	Fractional trajectories: Decorrelation versus friction. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2013, 392, 5663-5672.	1.2	10
83	A posteriori regularization parameter choice rule for the quasi-boundary value method for the backward time-fractional diffusion problem. <i>Applied Mathematics Letters</i> , 2013, 26, 741-747.	1.5	28
84	Numerical methods for solving a two-dimensional variable-order modified diffusion equation. <i>Applied Mathematics and Computation</i> , 2013, 225, 62-78.	1.4	12
85	Theory of asymmetric electrochemical stochastic diffusion. <i>Russian Journal of Electrochemistry</i> , 2013, 49, 850-855.	0.3	5
86	Reconstruction of a time-dependent source term in a time-fractional diffusion equation. <i>Engineering Analysis With Boundary Elements</i> , 2013, 37, 23-31.	2.0	67
87	Operational matrix approach for solution of integro-differential equations arising in theory of anomalous relaxation processes in vicinity of singular point. <i>Applied Mathematical Modelling</i> , 2013, 37, 6609-6616.	2.2	23
88	Scaling behavior for random walks with memory of the largest distance from the origin. <i>Physical Review E</i> , 2013, 88, 052141.	0.8	12
89	Fractional Pearson diffusions. <i>Journal of Mathematical Analysis and Applications</i> , 2013, 403, 532-546.	0.5	88
90	Superconvergence of a Discontinuous Galerkin Method for Fractional Diffusion and Wave Equations. <i>SIAM Journal on Numerical Analysis</i> , 2013, 51, 491-515.	1.1	152
91	Rocking Subdiffusive Ratchets: Origin, Optimization and Efficiency. <i>Mathematical Modelling of Natural Phenomena</i> , 2013, 8, 144-158.	0.9	19
92	Fractional motions. <i>Physics Reports</i> , 2013, 527, 101-129.	10.3	87

#	ARTICLE	IF	CITATIONS
93	Anomalous transport in the crowded world of biological cells. Reports on Progress in Physics, 2013, 76, 046602.	8.1	976
94	A semi-discrete finite element method for a class of time-fractional diffusion equations. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2013, 371, 20120268.	1.6	40
95	Noise cascades and Lévy correlations. Journal of Physics A: Mathematical and Theoretical, 2013, 46, 392001.	0.7	0
96	Functional significance of complex fluctuations in brain activity: from resting state to cognitive neuroscience. Frontiers in Systems Neuroscience, 2014, 8, 112.	1.2	43
97	A Fractional Probability Calculus View of Allometry. Systems, 2014, 2, 89-118.	1.2	5
98	Mathematical Modelling of Non-Isothermal Moisture Transfer and Rheological Behavior in Capillary-Porous Materials with Fractal Structure During Drying. Journal of Computer and Information Science, 2014, 7, 111.	0.2	9
99	Rowá€”column visibility graph approach to two-dimensional landscapes. Chinese Physics B, 2014, 23, 078904.	0.7	8
100	Sub-diffusive scaling with power-law trapping times. Chinese Physics B, 2014, 23, 070514.	0.7	7
101	Self-similar stochastic models with stationary increments for symmetric space-time fractional diffusion. , 2014, , .		1
102	Messages Do Diffuse Faster than Messengers: Reconciling Disparate Estimates of the Morphogen Bicoid Diffusion Coefficient. PLoS Computational Biology, 2014, 10, e1003629.	1.5	31
103	Asymptotic properties of a bold random walk. Physical Review E, 2014, 90, 022121.	0.8	2
104	Life and Death of Stationary Linear Response in Anomalous Continuous Time Random Walk Dynamics. Communications in Theoretical Physics, 2014, 62, 497-504.	1.1	9
105	Weakly driven anomalous diffusion in non-ergodic regime: an analytical solution. European Physical Journal B, 2014, 87, 1.	0.6	1
106	The Kramers-Moyal expansion for electrochemical stochastic diffusion. Russian Journal of Electrochemistry, 2014, 50, 92-94.	0.3	3
107	Solution of two-dimensional modified anomalous fractional sub-diffusion equation via radial basis functions (RBF) meshless method. Engineering Analysis With Boundary Elements, 2014, 38, 72-82.	2.0	47
108	A geometric theory for Lévy distributions. Annals of Physics, 2014, 347, 261-286.	1.0	3
109	A collocation method based on reproducing kernel for a modified anomalous subdiffusion equation. Numerical Methods for Partial Differential Equations, 2014, 30, 289-300.	2.0	58
110	A modified quasi-boundary value method for an inverse source problem of the time-fractional diffusion equation. Applied Numerical Mathematics, 2014, 78, 95-111.	1.2	139

#	ARTICLE	IF	CITATIONS
111	Stable numerical solution to a Cauchy problem for a time fractional diffusion equation. Engineering Analysis With Boundary Elements, 2014, 40, 128-137.	2.0	20
112	Time-dependent Schrödinger-like equation with nonlocal term. Journal of Mathematical Physics, 2014, 55, .	0.5	32
113	Numerical scheme with high order accuracy for solving a modified fractional diffusion equation. Applied Mathematics and Computation, 2014, 244, 772-782.	1.4	1
114	A mollification regularization method for unknown source in time-fractional diffusion equation. International Journal of Computer Mathematics, 2014, 91, 1516-1534.	1.0	24
116	An iterative method for backward time-fractional diffusion problem. Numerical Methods for Partial Differential Equations, 2014, 30, 2029-2041.	2.0	33
117	Compact Finite Difference Scheme for the Fourth-Order Fractional Subdiffusion System. Advances in Applied Mathematics and Mechanics, 2014, 6, 419-435.	0.7	30
118	Sociophysics of sexism: normal and anomalous petrie multipliers. Journal of Physics A: Mathematical and Theoretical, 2015, 48, 27FT01.	0.7	0
119	Computational Solutions of Distributed Order Reaction-Diffusion Systems Associated with Riemann-Liouville Derivatives. Axioms, 2015, 4, 120-133.	0.9	6
120	A pre-docking source for the power-law behavior of spontaneous quantal release: application to the analysis of LTP. Frontiers in Cellular Neuroscience, 2015, 9, 44.	1.8	8
121	Mechanisms Underlying Anomalous Diffusion in the Plasma Membrane. Current Topics in Membranes, 2015, 75, 167-207.	0.5	81
122	A review of progress in single particle tracking: from methods to biophysical insights. Reports on Progress in Physics, 2015, 78, 124601.	8.1	424
123	Asymptotic Behavior of the One-Dimensional Fisher-Kolmogorov-Petrovskii-Piskunov Equation with Anomalous Diffusion. Russian Physics Journal, 2015, 58, 399-409.	0.2	0
124	Artificial boundary condition for a modified fractional diffusion problem. Boundary Value Problems, 2015, 2015, .	0.3	4
125	A toolbox for determining subdiffusive mechanisms. Physics Reports, 2015, 573, 1-29.	10.3	240
126	The Hole in the Barrel: Water Exchange at the GFP Chromophore. Journal of Physical Chemistry B, 2015, 119, 3464-3478.	1.2	21
127	Time-stepping discontinuous Galerkin methods for fractional diffusion problems. Numerische Mathematik, 2015, 130, 497-516.	0.9	54
128	Quasi-reversibility method to identify a space-dependent source for the time-fractional diffusion equation. Applied Mathematical Modelling, 2015, 39, 6139-6149.	2.2	35
129	Diffusion and Fokker-Planck-Smoluchowski Equations with Generalized Memory Kernel. Fractional Calculus and Applied Analysis, 2015, 18, 1006-1038.	1.2	83

#	ARTICLE	IF	CITATIONS
130	Time-changed Ornstein-Uhlenbeck process. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2015, 48, 135004.	0.7	28
131	Two alternating direction implicit difference schemes with the extrapolation method for the two-dimensional distributed-order differential equations. <i>Computers and Mathematics With Applications</i> , 2015, 69, 926-948.	1.4	55
132	First passage time distribution of a modified fractional diffusion equation in the semi-infinite interval. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 433, 279-290.	1.2	9
133	Recover the solute concentration from source measurement and boundary data. <i>Inverse Problems in Science and Engineering</i> , 2015, 23, 1199-1221.	1.2	4
134	Dynamics Solved by the Three-Point Formula: Exact Analytical Results for Rings. <i>Brazilian Journal of Physics</i> , 2015, 45, 719-729.	0.7	0
135	From moving averages to anomalous diffusion: a Rényi-entropy approach. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2015, 48, 03FT01.	0.7	3
136	The inverse source problem for time-fractional diffusion equation: stability analysis and regularization. <i>Inverse Problems in Science and Engineering</i> , 2015, 23, 969-996.	1.2	33
137	Efficient numerical solution of the time fractional diffusion equation by mapping from its Brownian counterpart. <i>Journal of Computational Physics</i> , 2015, 282, 334-344.	1.9	10
138	Exact solutions of a modified fractional diffusion equation in the finite and semi-infinite domains. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 417, 193-201.	1.2	8
139	Uncovering homo-and hetero-interactions on the cell membrane using single particle tracking approaches. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 104002.	1.3	13
140	Multiplicity result for a stationary fractional reaction-diffusion equations. <i>Tbilisi Mathematical Journal</i> , 2016, 9, .	0.3	1
141	High-order compact difference schemes for the modified anomalous subdiffusion equation. <i>Numerical Methods for Partial Differential Equations</i> , 2016, 32, 213-242.	2.0	26
142	Trend and fractality assessment of Mexico's stock exchange. <i>Applied Mathematics and Computation</i> , 2016, 285, 103-113.	1.4	0
143	Connecting complexity with spectral entropy using the Laplace transformed solution to the fractional diffusion equation. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 453, 327-335.	1.2	13
144	The Poisson aggregation process. <i>Chaos, Solitons and Fractals</i> , 2016, 83, 38-53.	2.5	0
145	Fractional order operational matrix methods for fractional singular integro-differential equation. <i>Applied Mathematical Modelling</i> , 2016, 40, 10705-10718.	2.2	40
146	Spectral decomposition of nonlinear systems with memory. <i>Physical Review E</i> , 2016, 93, 022211.	0.8	30
147	Transient anomalous diffusion in periodic systems: ergodicity, symmetry breaking and velocity relaxation. <i>Scientific Reports</i> , 2016, 6, 30948.	1.6	62

#	ARTICLE	IF	CITATIONS
148	Uniqueness for an inverse space-dependent source term in a multi-dimensional time-fractional diffusion equation. <i>Applied Mathematics Letters</i> , 2016, 61, 108-113.	1.5	33
149	Determination of Robin coefficient in a fractional diffusion problem. <i>Applied Mathematical Modelling</i> , 2016, 40, 7948-7961.	2.2	24
150	An inverse time-dependent source problem for a time-fractional diffusion equation. <i>Inverse Problems</i> , 2016, 32, 085003.	1.0	79
151	A space-time collocation scheme for modified anomalous subdiffusion and nonlinear superdiffusion equations. <i>European Physical Journal Plus</i> , 2016, 131, 1.	1.2	13
152	An analysis of a second order difference scheme for the fractional subdiffusion system. <i>Applied Mathematical Modelling</i> , 2016, 40, 1634-1649.	2.2	3
153	Legendre spectral element method for solving time fractional modified anomalous sub-diffusion equation. <i>Applied Mathematical Modelling</i> , 2016, 40, 3635-3654.	2.2	68
154	Robin coefficient identification for a time-fractional diffusion equation. <i>Inverse Problems in Science and Engineering</i> , 2016, 24, 647-666.	1.2	17
155	Approximate Analytical Solution of Two Coupled Time Fractional Nonlinear Schrödinger Equations. <i>International Journal of Applied and Computational Mathematics</i> , 2016, 2, 113-135.	0.9	31
156	Improved efficient difference method for the modified anomalous sub-diffusion equation with a nonlinear source term. <i>International Journal of Computer Mathematics</i> , 2017, 94, 821-840.	1.0	11
157	Generalized Tikhonov method for the final value problem of time-fractional diffusion equation. <i>International Journal of Computer Mathematics</i> , 2017, 94, 66-78.	1.0	9
158	A new fractional operator of variable order: Application in the description of anomalous diffusion. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 481, 276-283.	1.2	196
159	The continuous time random walk, still trendy: fifty-year history, state of art and outlook. <i>European Physical Journal B</i> , 2017, 90, 1.	0.6	84
160	Beyond monofractional kinetics. <i>Chaos, Solitons and Fractals</i> , 2017, 102, 210-217.	2.5	43
161	The ergodic side of the many-body localization transition. <i>Annalen Der Physik</i> , 2017, 529, 1600350.	0.9	216
162	Well-posedness and dynamics of a fractional stochastic integro-differential equation. <i>Physica D: Nonlinear Phenomena</i> , 2017, 355, 45-57.	1.3	13
163	Harmonic statistics. <i>Annals of Physics</i> , 2017, 380, 168-187.	1.0	8
164	Direct and inverse problems in dispersive time-of-flight photocurrent revisited. <i>European Physical Journal B</i> , 2017, 90, 1.	0.6	1
165	Toward understanding the anticorrosive mechanism of some thiourea derivatives for carbon steel corrosion: A combined DFT and molecular dynamics investigation. <i>Journal of Colloid and Interface Science</i> , 2017, 506, 478-485.	5.0	268

#	ARTICLE	IF	CITATIONS
166	Brownian yet Non-Gaussian Diffusion: From Superstatistics to Subordination of Diffusing Diffusivities. <i>Physical Review X</i> , 2017, 7, .	2.8	235
167	Fractional Bhatnagarâ€“Grossâ€“Krook kinetic equation. <i>European Physical Journal B</i> , 2017, 90, 1.	0.6	4
168	Relaxation and diffusion models with non-singular kernels. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 468, 590-596.	1.2	53
169	Applications of inverse tempered stable subordinators. <i>Computers and Mathematics With Applications</i> , 2017, 73, 892-905.	1.4	39
170	Identification of the zeroth-order coefficient in a time fractional diffusion equation. <i>Applied Numerical Mathematics</i> , 2017, 111, 160-180.	1.2	48
171	Black swans and dragon kings: A unified model. <i>Europhysics Letters</i> , 2017, 119, 60007.	0.7	6
172	A new second-order midpoint approximation formula for Riemannâ€“Liouville derivative: algorithm and its application. <i>IMA Journal of Applied Mathematics</i> , 2017, 82, 909-944.	0.8	9
173	Landweber iterative regularization method for identifying the unknown source of the time-fractional diffusion equation. <i>Advances in Difference Equations</i> , 2017, 2017, .	3.5	16
174	The backward problem for a time-fractional diffusion-wave equation in a bounded domain. <i>Computers and Mathematics With Applications</i> , 2018, 75, 3632-3648.	1.4	60
175	Efficient numerical simulation of non-integer-order space-fractional reaction-diffusion equation via the Riemann-Liouville operator. <i>European Physical Journal Plus</i> , 2018, 133, 1.	1.2	26
176	Anomalous diffusion in a dynamical optical lattice. <i>Physical Review A</i> , 2018, 97, .	1.0	13
177	Inverse problem for a spaceâ€“time fractional diffusion equation: Application of fractional Sturmâ€“Liouville operator. <i>Mathematical Methods in the Applied Sciences</i> , 2018, 41, 2733-2747.	1.2	22
179	A tour of inequality. <i>Annals of Physics</i> , 2018, 389, 306-332.	1.0	33
180	A block-centered finite difference method for the distributed-order time-fractional diffusion-wave equation. <i>Applied Numerical Mathematics</i> , 2018, 131, 123-139.	1.2	10
181	Brownian motion under dynamic disorder: effects of memory on the decay of the non-Gaussianity parameter. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2018, 2018, 033211.	0.9	3
182	Theoretical study of N-thiazolyl-2-cyanoacetamide derivatives as corrosion inhibitor for aluminum in alkaline environments. <i>Computational and Theoretical Chemistry</i> , 2018, 1131, 25-32.	1.1	51
183	Identifying a diffusion coefficient in a time-fractional diffusion equation. <i>Mathematics and Computers in Simulation</i> , 2018, 151, 77-95.	2.4	16
184	Average is Over. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 492, 123-137.	1.2	6

#	ARTICLE	IF	CITATIONS
185	Dynamics of a Stochastic Fractional Reaction-Diffusion Equation. Taiwanese Journal of Mathematics, 2018, 22, .	0.2	4
186	Solving inverse coefficient problems of non-uniform fractionally diffusive reactive material by a boundary functional method. International Journal of Heat and Mass Transfer, 2018, 116, 587-598.	2.5	8
187	Interspike interval distribution for a continuous-time random walk model of neurons in the diffusion limit. AIP Conference Proceedings, 2018, , .	0.3	1
188	Continuous-time random walks and Fokker-Planck equation in expanding media. Physical Review E, 2018, 98, .	0.8	14
189	From continuous time random walks to the generalized diffusion equation. Fractional Calculus and Applied Analysis, 2018, 21, 10-28.	1.2	76
190	Parameter calibration between models and simulations: Connecting linear and non-linear descriptions of anomalous diffusion. Physica A: Statistical Mechanics and Its Applications, 2018, 509, 369-382.	1.2	10
191	Robust control for time-fractional diffusion processes: application in temperature control of an alpha silicon carbide cutting tool. IET Control Theory and Applications, 2018, 12, 2022-2030.	1.2	5
192	The stretch to stray on time: Resonant length of random walks in a transient. Chaos, 2018, 28, 053117.	1.0	7
193	Time fractional modified anomalous sub-diffusion equation with a nonlinear source term through locally applied meshless radial point interpolation. Modern Physics Letters B, 2018, 32, 1850251.	1.0	9
194	Universal Poisson-process limits for general random walks. Physica A: Statistical Mechanics and Its Applications, 2018, 512, 1160-1174.	1.2	4
195	Identifying a fractional order and a space source term in a time-fractional diffusion-wave equation simultaneously. Inverse Problems, 2019, 35, 115002.	1.0	24
196	Numerical investigation of the nonlinear modified anomalous diffusion process. Nonlinear Dynamics, 2019, 97, 2757-2775.	2.7	28
197	Variational method for a backward problem for a time-fractional diffusion equation. ESAIM: Mathematical Modelling and Numerical Analysis, 2019, 53, 1223-1244.	0.8	8
198	Alternating direction implicit-spectral element method (ADI-SEM) for solving multi-dimensional generalized modified anomalous sub-diffusion equation. Computers and Mathematics With Applications, 2019, 78, 1772-1792.	1.4	17
199	Coexistence of absolute negative mobility and anomalous diffusion. New Journal of Physics, 2019, 21, 083029.	1.2	39
200	Fourier Truncation Regularization Method for a Time-Fractional Backward Diffusion Problem with a Nonlinear Source. Mathematics, 2019, 7, 865.	1.1	21
201	Bimodality of the interspike interval distributions for subordinated diffusion models of integrate-and-fire neurons. Physica A: Statistical Mechanics and Its Applications, 2019, 534, 122106.	1.2	3
202	Mittag-Leffler Memory Kernel in Lévy Flights. Mathematics, 2019, 7, 766.	1.1	11

#	ARTICLE	IF	CITATIONS
203	Transport dynamics of complex fluids. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 12733-12742.	3.3	34
204	Optimal control problem of the two-dimensional modified anomalous subdiffusion equation with discontinuous Galerkin approximation. Computers and Mathematics With Applications, 2019, 78, 2127-2146.	1.4	1
205	A Review on Variable-Order Fractional Differential Equations: Mathematical Foundations, Physical Models, Numerical Methods and Applications. Fractional Calculus and Applied Analysis, 2019, 22, 27-59.	1.2	218
206	Composition law for the Cole-Cole relaxation and ensuing evolution equations. Physics Letters, Section A: General, Atomic and Solid State Physics, 2019, 383, 1716-1721.	0.9	8
207	An efficient meshless computational technique to simulate nonlinear anomalous reaction-diffusion process in two-dimensional space. Nonlinear Dynamics, 2019, 96, 1191-1211.	2.7	7
208	Determination of the initial data in a time-fractional diffusion-wave problem by a final time data. Computers and Mathematics With Applications, 2019, 78, 2525-2540.	1.4	17
209	A fractional Landweber method for solving backward time-fractional diffusion problem. Computers and Mathematics With Applications, 2019, 78, 81-91.	1.4	23
210	Manifestations of Projection-Induced Memory: General Theory and the Tilted Single File. Frontiers in Physics, 2019, 7, .	1.0	15
211	Water vapor diffusive transport in a smectite clay: Cationic control of normal versus anomalous diffusion. Physical Review E, 2019, 99, 013102.	0.8	10
212	Identification of the time-dependent source term in a multi-term time-fractional diffusion equation. Numerical Algorithms, 2019, 82, 1279-1301.	1.1	14
213	A fractional Tikhonov regularization method for identifying a space-dependent source in the time-fractional diffusion equation. Applied Mathematics and Computation, 2019, 349, 292-303.	1.4	17
214	Inverse space-dependent source problem for a time-fractional diffusion equation by an adjoint problem approach. Journal of Inverse and Ill-Posed Problems, 2019, 27, 1-16.	0.5	14
215	A block-centred finite difference method for the distributed-order differential equation with Neumann boundary condition. International Journal of Computer Mathematics, 2019, 96, 622-639.	1.0	5
216	Inversion of the Initial Value for a Time-Fractional Diffusion-Wave Equation by Boundary Data. Computational Methods in Applied Mathematics, 2020, 20, 109-120.	0.4	5
217	Inverse source problems for a space-time fractional differential equation. Inverse Problems in Science and Engineering, 2020, 28, 47-68.	1.2	22
218	Classical and generalized solutions of fractional stochastic differential equations. Stochastics and Partial Differential Equations: Analysis and Computations, 2020, 8, 761-786.	0.5	2
219	Numerical algorithms for the time-Caputo and space-Riesz fractional Bloch-Torrey equations. Numerical Methods for Partial Differential Equations, 2020, 36, 772-799.	2.0	8
220	Numerical Simulation of the Fractional Dispersion Advection Equations Based on the Lattice Boltzmann Model. Mathematical Problems in Engineering, 2020, 2020, 1-11.	0.6	1

#	ARTICLE	IF	CITATIONS
221	Efficient Algorithms for Computing Multidimensional Integral Fractional Laplacians via Spherical Means. <i>SIAM Journal of Scientific Computing</i> , 2020, 42, A2910-A2942.	1.3	2
222	Hitting times in turbulent diffusion due to multiplicative noise. <i>Physical Review E</i> , 2020, 102, 042109.	0.8	13
223	Tetrahydropyrimido-Triazepine derivatives as anti-corrosion additives for acid corrosion: Chemical, electrochemical, surface and theoretical studies. <i>Chemical Physics Letters</i> , 2020, 743, 137181.	1.2	73
224	A fast method for variable-order Caputo fractional derivative with applications to time-fractional diffusion equations. <i>Computers and Mathematics With Applications</i> , 2020, 80, 1443-1458.	1.4	39
225	Two efficient Galerkin finite element methods for the modified anomalous subdiffusion equation. <i>International Journal of Computer Mathematics</i> , 2020, , 1-18.	1.0	2
226	Look at Tempered Subdiffusion in a Conjugate Map: Desire for the Confinement. <i>Entropy</i> , 2020, 22, 1317.	1.1	3
227	A semi-analytical approach to Caputo type time-fractional modified anomalous sub-diffusion equations. <i>Applied Numerical Mathematics</i> , 2020, 158, 103-122.	1.2	10
228	Ultrahigh-Speed Imaging of Rotational Diffusion on a Lipid Bilayer. <i>Nano Letters</i> , 2020, 20, 7213-7219.	4.5	21
229	Faster Uphill Relaxation in Thermodynamically Equidistant Temperature Quenches. <i>Physical Review Letters</i> , 2020, 125, 110602.	2.9	41
230	Generalized Cattaneo (telegrapher's) equations in modeling anomalous diffusion phenomena. <i>Physical Review E</i> , 2020, 102, 022128.	0.8	25
231	Combined electronic/atomic level computational, surface (SEM/EDS), chemical and electrochemical studies of the mild steel surface by quinoxalines derivatives anti-corrosion properties in 1 \times 10 ⁻¹ HCl solution. <i>Chinese Journal of Chemical Engineering</i> , 2020, 28, 1436-1458.	1.7	43
232	Two-grid methods for semilinear time fractional reaction diffusion equations by expanded mixed finite element method. <i>Applied Numerical Mathematics</i> , 2020, 157, 38-54.	1.2	27
233	Fourth-Order Difference Approximation for Time-Fractional Modified Sub-Diffusion Equation. <i>Symmetry</i> , 2020, 12, 691.	1.1	24
234	Simultaneous identification of three parameters in a time-fractional diffusion-wave equation by a part of boundary Cauchy data. <i>Applied Mathematics and Computation</i> , 2020, 384, 125382.	1.4	4
235	Nonlinear dynamics of continuous-time random walks in inhomogeneous medium. <i>Chaos</i> , 2020, 30, 063135.	1.0	3
236	Revealing hidden information in osteoblast $\hat{\epsilon}$'s mechanotransduction through analysis of time patterns of critical events. <i>BMC Bioinformatics</i> , 2020, 21, 114.	1.2	4
237	Reconstruction of a space-dependent source in the inexact order time-fractional diffusion equation. <i>Chaos, Solitons and Fractals</i> , 2020, 134, 109724.	2.5	1
238	Quenched and annealed disorder mechanisms in comb models with fractional operators. <i>Physical Review E</i> , 2020, 101, 022135.	0.8	18

#	ARTICLE	IF	CITATIONS
239	Effects of transient subordinators on the firing statistics of a neuron model driven by dichotomous noise. <i>Physical Review E</i> , 2020, 102, 012103.	0.8	5
240	Pitting corrosion mechanism of Cl^- - and S^{2-} -induced by oxide inclusions in Fe-based amorphous metallic coatings. <i>Surface and Coatings Technology</i> , 2020, 385, 125449.	2.2	32
241	Non-Gaussian subdiffusion of single-molecule tracers in a hydrated polymer network. <i>Journal of Chemical Physics</i> , 2020, 152, 024903.	1.2	9
242	An Inverse Problem for a Two-Dimensional Time-Fractional Sideways Heat Equation. <i>Mathematical Problems in Engineering</i> , 2020, 2020, 1-13.	0.6	5
243	Spectral Analysis of Fractional Hyperbolic Diffusion Equations with Random Data. <i>Journal of Statistical Physics</i> , 2020, 179, 155-175.	0.5	4
244	Discrete-time orthogonal spline collocation method for a modified anomalous diffusion equation. <i>International Journal of Computer Mathematics</i> , 2021, 98, 288-304.	1.0	2
245	Iterative regularization method for an abstract ill-posed generalized elliptic equation. <i>Asian-European Journal of Mathematics</i> , 2021, 14, 2150069.	0.2	1
246	Uniqueness for identifying a space-dependent zeroth-order coefficient in a time-fractional diffusion-wave equation from a single boundary point measurement. <i>Applied Mathematics Letters</i> , 2021, 112, 106814.	1.5	6
247	A physics-informed operator regression framework for extracting data-driven continuum models. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2021, 373, 113500.	3.4	43
248	Simultaneous inversion of two initial values for a time-fractional diffusion-wave equation. <i>Numerical Methods for Partial Differential Equations</i> , 2021, 37, 24-43.	2.0	9
249	Confined random motion with Laplace and Linnik statistics. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2021, 54, 055009.	0.7	5
250	Exponential-sum-approximation technique for variable-order time-fractional diffusion equations. <i>Journal of Applied Mathematics and Computing</i> , 2022, 68, 323-347.	1.2	17
251	Relation between generalized diffusion equations and subordination schemes. <i>Physical Review E</i> , 2021, 103, 032133.	0.8	27
252	Stochastic resonance in periodically driven bistable systems subjected to anomalous diffusion. <i>SN Applied Sciences</i> , 2021, 3, 1.	1.5	0
253	Stochastic modeling of Lévy-like human eye movements. <i>Chaos</i> , 2021, 31, 043129.	1.0	5
254	The Influence of Magnetic Turbulence on the Energetic Particle Transport Upstream of Shock Waves. <i>Atmosphere</i> , 2021, 12, 508.	1.0	6
255	Regularization of inverse source problem for fractional diffusion equation with Riemann-Liouville derivative. <i>Computational and Applied Mathematics</i> , 2021, 40, 1.	1.0	4
256	Identifying a time-dependent zeroth-order coefficient in a time-fractional diffusion-wave equation by using the measured data at a boundary point. <i>Applicable Analysis</i> , 2022, 101, 6522-6547.	0.6	6

#	ARTICLE	IF	CITATIONS
257	On the recovery of a time dependent diffusion coefficient for a space fractional diffusion equation. Analysis and Mathematical Physics, 2021, 11, 1.	0.6	1
258	Time-Non-Local Pearson Diffusions. Journal of Statistical Physics, 2021, 183, 1.	0.5	6
259	Sub-diffusive behavior in the Standard Map. European Physical Journal: Special Topics, 2021, 230, 2765-2773.	1.2	1
260	Discriminating Gaussian processes via quadratic form statistics. Chaos, 2021, 31, 063101.	1.0	6
261	A combined quantum chemical, molecular dynamics and Monte Carlo study of three amino acids as corrosion inhibitors for aluminum in NaCl solution. Journal of Molecular Liquids, 2022, 345, 117010.	2.3	7
262	Time-averaged mean squared displacement ratio test for Gaussian processes with unknown diffusion coefficient. Chaos, 2021, 31, 073120.	1.0	1
263	Improving environmental adaptability and long-term corrosion resistance of Mg alloys by pyrazole ionic liquids: Experimental and theoretical studies. Journal of Molecular Liquids, 2021, 333, 115964.	2.3	13
264	Subdiffusion equation with Caputo fractional derivative with respect to another function. Physical Review E, 2021, 104, 014118.	0.8	23
265	Abstract Cauchy problems for the generalized fractional calculus. Nonlinear Analysis: Theory, Methods & Applications, 2021, 209, 112339.	0.6	16
266	Thermodynamic Uncertainty Relation Bounds the Extent of Anomalous Diffusion. Physical Review Letters, 2021, 127, 080601.	2.9	22
267	Integral decomposition for the solutions of the generalized Cattaneo equation. Physical Review E, 2021, 104, 024113.	0.8	8
268	Master equation approach to the stochastic accumulation dynamics of bacterial cell cycle. New Journal of Physics, 2021, 23, 083029.	1.2	4
269	Recovering source term of the time-fractional diffusion equation. Pramana - Journal of Physics, 2021, 95, 1.	0.9	5
270	An update on passive transport in and out of plant cells. Plant Physiology, 2021, 187, 1973-1984.	2.3	14
272	TIKHONOV REGULARIZATION METHOD OF AN INVERSE SPACE-DEPENDENT SOURCE PROBLEM FOR A TIME-SPACE FRACTIONAL DIFFUSION EQUATION. Journal of Applied Analysis and Computation, 2021, 11, 2387-2401.	0.2	1
273	Sub-diffusion equations of fractional order and their fundamental solutions. , 2007, , 23-55.		13
274	Anomalous Diffusion on Fractal Networks. , 2012, , 13-25.		2
276	Analysis of mechanotransduction dynamics during combined mechanical stimulation and modulation of the extracellular-regulated kinase cascade uncovers hidden information within the signalling noise. Interface Focus, 2021, 11, 20190136.	1.5	6

#	ARTICLE	IF	CITATIONS
277	Tikhonov regularization method for identifying the space-dependent source for time-fractional diffusion equation on a columnar symmetric domain. <i>Advances in Difference Equations</i> , 2020, 2020, .	3.5	17
279	Control of anomalous diffusion of a Bose polaron. <i>Quantum - the Open Journal for Quantum Science</i> , 0, 4, 232.	0.0	11
280	On the steady solutions of fractional reaction-diffusion equations. <i>Filomat</i> , 2017, 31, 1655-1664.	0.2	9
281	Stochastic interpretation of g -subdiffusion process. <i>Physical Review E</i> , 2021, 104, L042101.	0.8	5
282	Anomalous Diffusion on Fractal Networks. , 2009, , 309-322.		1
283	Looking for the Lost Memory in Diffusion-Reaction Equations. , 2010, , 229-251.		1
284	A Novel Finite Element Method for a Class of Time Fractional Diffusion Equations. , 2011, , .		1
285	A Fractional Tikhonov Regularisation Method for Finding Source Terms in a Time-Fractional Radial Heat Equation. <i>East Asian Journal on Applied Mathematics</i> , 2019, 9, 386-408.	0.4	3
287	Motions. <i>Understanding Complex Systems</i> , 2020, , 159-176.	0.3	0
288	The arbitrary-order fractional hyperbolic nonlinear scalar conservation law. <i>Advances in Difference Equations</i> , 2020, 2020, .	3.5	1
289	A meshless computational approach for solving two-dimensional inverse time-fractional diffusion problem with non-local boundary condition. <i>Inverse Problems in Science and Engineering</i> , 2020, 28, 1773-1795.	1.2	3
290	Regularized Reconstruction of the Order in Semilinear Subdiffusion with Memory. <i>Springer Proceedings in Mathematics and Statistics</i> , 2020, , 205-236.	0.1	6
291	Determining a time-dependent coefficient in a time-fractional diffusion-wave equation with the Caputo derivative by an additional integral condition. <i>Journal of Computational and Applied Mathematics</i> , 2022, 404, 113910.	1.1	10
292	Finite element implementation of general triangular mesh for Riesz derivative. <i>Partial Differential Equations in Applied Mathematics</i> , 2021, 4, 100188.	1.3	2
293	Limit properties of Lévy walks. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2020, 53, 504001.	0.7	2
294	Multi-phase Long-Term Autocorrelated Diffusion: Stationary Continuous-Time Weierstrass Walk Versus Flight. <i>Springer Proceedings in Complexity</i> , 2021, , 55-88.	0.2	1
295	An Adaptive Difference Method for Variable-Order Fractional Diffusion Equations. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
296	Time-Changed Fractional Black-Scholes Interest Rate Model for Pricing Equity Warrants. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0

#	ARTICLE	IF	CITATIONS
297	Subdiffusive search with home returns via stochastic resetting: a subordination scheme approach. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2022, 55, 074004.	0.7	8
298	Anomalous diffusion: fractional Brownian motion vs fractional Ito motion. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2022, 55, 115002.	0.7	6
299	A generalized quasi-boundary value method for recovering a source in a fractional diffusion-wave equation. <i>Inverse Problems</i> , 2022, 38, 045001.	1.0	9
300	Efficient approach to time-dependent super-diffusive Lévy random walks on finite 2D-tori using circulant analogues. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2022, 592, 126833.	1.2	0
301	Fast Second-Order Evaluation for Variable-Order Caputo Fractional Derivative with Applications to Fractional Sub-Diffusion Equations. <i>Numerical Mathematics</i> , 2022, 15, 200-226.	0.6	6
302	Emergent Memory and Kinetic Hysteresis in Strongly Driven Networks. <i>Physical Review X</i> , 2021, 11, .	2.8	20
303	Fractional-Order Traveling Wave Approximations for a Fractional-Order Neural Field Model. <i>Frontiers in Computational Neuroscience</i> , 2022, 16, 788924.	1.2	4
304	Numerical Method to Modify the Fractional-Order Diffusion Equation. <i>Advances in Mathematical Physics</i> , 2022, 2022, 1-10.	0.4	0
305	The case of the biased quenched trap model in two dimensions with diverging mean dwell times. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2022, 2022, 033301.	0.9	1
306	Simultaneous inversion of a time-dependent potential coefficient and a time source term in a time fractional diffusion-wave equation. <i>Chaos, Solitons and Fractals</i> , 2022, 157, 111901.	2.5	6
307	Boundary stabilization for time-space fractional diffusion equation. <i>European Journal of Control</i> , 2022, 65, 100639.	1.6	0
308	Boundary stabilization for time-space fractional diffusion-wave equation. , 2021, , .		0
309	Z ¹ -antitrypsin polymers impose molecular filtration in the endoplasmic reticulum after undergoing phase transition to a solid state. <i>Science Advances</i> , 2022, 8, eabm2094.	4.7	15
310	Computational technique for multi-dimensional non-linear weakly singular fractional integro-differential equation. <i>Chinese Journal of Physics</i> , 2022, 80, 305-333.	2.0	5
311	Recent Developments in Particle Acceleration at Shocks: Theory and Observations. <i>Space Science Reviews</i> , 2022, 218, .	3.7	15
312	Robust fast method for variable-order time-fractional diffusion equations without regularity assumptions of the true solutions. <i>Applied Mathematics and Computation</i> , 2022, 430, 127273.	1.4	1
313	Identification of the zeroth-order coefficient and fractional order in a time-fractional reaction-diffusion-wave equation. <i>Mathematical Methods in the Applied Sciences</i> , 2023, 46, 142-166.	1.2	4
314	General approach to stochastic resetting. <i>Physical Review E</i> , 2022, 105, .	0.8	11

#	ARTICLE	IF	CITATIONS
315	Time-fractional approach to the electrochemical impedance: The Displacement current. Journal of Electroanalytical Chemistry, 2022, 920, 116588.	1.9	6
316	Simultaneous inversion of a fractional order and a space source term in an anomalous diffusion model. Journal of Inverse and Ill-Posed Problems, 2022, .	0.5	1
317	Topological Sensitivity Analysis Method in Identifying of Point Sources via Time-Fractional Diffusion Equation. Acta Applicandae Mathematicae, 2022, 181, .	0.5	1
318	Inverse source problem for an equation of mixed parabolic-hyperbolic type with the time fractional derivative in a cylindrical domain. Vestnik Samarskogo Gosudarstvennogo Tekhnicheskogo Universiteta, Seriya Fiziko-Matematicheskie Nauki, 2022, 26, 355-367.	0.0	2
319	Memory effects on energy loss and diffusion of heavy quarks in the quark-gluon plasma. Physical Review D, 2022, 106, .	1.6	10
320	Pulse Dynamics in a Bistable Reaction-Diffusion System with Chemotaxis. Advances in Mathematical Physics, 2022, 2022, 1-15.	0.4	0
321	Generalized diffusion and random search processes. Journal of Statistical Mechanics: Theory and Experiment, 2022, 2022, 093201.	0.9	5
323	The effect of subdiffusion on the stability of autocatalytic systems. Chemical Engineering Science, 2023, 265, 118230.	1.9	1
324	Composite subdiffusion equation that describes transient subdiffusion. Physical Review E, 2022, 106, .	0.8	4
325	Langevin Dynamics Simulation on the Diffusivity of Polymers in Crowded Environments with Immobile Nanoparticles. Macromolecules, 2022, 55, 10468-10478.	2.2	3
326	Probabilistic solutions of fractional differential and partial differential equations and their Monte Carlo simulations. Chaos, Solitons and Fractals, 2023, 166, 112901.	2.5	2
327	Identifying a fractional order and a time-dependent coefficient in a time-fractional diffusion wave equation. Journal of Computational and Applied Mathematics, 2023, 424, 114995.	1.1	2
328	Implementation of the ADMM approach to constrained optimal control problem with a nonlinear time-fractional diffusion equation. Discrete and Continuous Dynamical Systems - Series S, 2022, .	0.6	2
329	Inverse potential problem for a semilinear generalized fractional diffusion equation with spatio-temporal dependent coefficients. Inverse Problems, 2023, 39, 015005.	1.0	2
330	Modeling single-phase fluid flow in porous media through non-local fractal continuum equation. Journal of Engineering Mathematics, 2023, 138, .	0.6	1
331	Relaxation Under Geometric Constraints I: Classical Processes. PoliTO Springer Series, 2023, , 317-353.	0.3	0
332	FILTER REGULARIZATION FOR AN INVERSE SOURCE PROBLEM OF THE TIME-FRACTIONAL DIFFUSION EQUATION. Journal of Applied Analysis and Computation, 2020, .	0.2	0
333	An iterative method based on Nesterov acceleration for identifying space-dependent source term in a time-fractional diffusion-wave equation. Journal of Computational and Applied Mathematics, 2023, 429, 115214.	1.1	0

#	ARTICLE	IF	CITATIONS
334	Experimental and computational investigation of complexing agents on copper dissolution for chemical mechanical polishing process. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2023, 664, 131142.	2.3	4
335	Compact Difference Method for Time-Fractional Neutral Delay Nonlinear Fourth-Order Equation. <i>Engineering</i> , 2022, 14, 544-566.	0.4	0
336	Fractional Floquet theory. <i>Chaos, Solitons and Fractals</i> , 2023, 168, 113196.	2.5	1
337	Simultaneous Inversion of the Space-Dependent Source Term and the Initial Value in a Time-Fractional Diffusion Equation. <i>Computational Methods in Applied Mathematics</i> , 2023, 23, 767-782.	0.4	1
338	Analytical design of robust FO-PID controller for diffusion processes despite of uncertainty on all model parameters. <i>International Journal of Systems Science</i> , 2023, 54, 1344-1359.	3.7	2
339	The Fourfold Way to Gaussianity: Physical Interactions, Distributional Models and Monadic Transformations. <i>Axioms</i> , 2023, 12, 278.	0.9	1
340	An inverse problem of identifying two coefficients in a time-fractional reaction diffusion system. <i>Discrete and Continuous Dynamical Systems - Series S</i> , 2023, .	0.6	0
341	Łvy Flights Diffusion with Drift in Heterogeneous Membranes. <i>Membranes</i> , 2023, 13, 417.	1.4	0