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List of Publications by Year
in descending order

229	9,423	44069 48	46799 89
papers	citations	h-index	g-index

231	231	231	3001
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Matrix transfer technique for anomalous diffusion equation involving fractional Laplacian. Applied Numerical Mathematics, 2022, 172, 242-258.	2.1	3
2	Fractional-order systems, numerical techniques, and applications. , 2022, , 179-256.		2
3	Fractional-order systems, numerical techniques, and applications. , 2022, , 107-178.		0
4	A vertex-centred finite volume method for the 3D multi-term time and space fractional Bloch–Torrey equation with fractional Laplacian. Communications in Nonlinear Science and Numerical Simulation, 2022, 114, 106666.	3.3	4
5	A novel alternating-direction implicit spectral Galerkin method for a multi-term time-space fractional diffusion equation in three dimensions. Numerical Algorithms, 2021, 86, 1443-1474.	1.9	10
6	Long- and short-term time series forecasting of air quality by a multi-scale framework. Environmental Pollution, 2021, 271, 116381.	7.5	12
7	A space-time spectral method for time-fractional Black-Scholes equation. Applied Numerical Mathematics, 2021, 165, 152-166.	2.1	17
8	MULTIFRACTAL TEMPORALLY WEIGHTED DETRENDED CROSS-CORRELATION ANALYSIS OF PM10, NOX AND METEOROLOGICAL FACTORS IN URBAN AND RURAL AREAS OF HONG KONG. Fractals, 2021, 29, 2150166.	3.7	2
9	Heterogeneous Types of miRNA-Disease Associations Stratified by Multi-Layer Network Embedding and Prediction. Biomedicines, 2021, 9, 1152.	3.2	6
10	Numerical approximation of 2D multi-term time and space fractional Bloch–Torrey equations involving the fractional Laplacian. Journal of Computational and Applied Mathematics, 2021, 393, 113519.	2.0	7
11	A finite volume method for the two-dimensional time and space variable-order fractional Bloch-Torrey equation with variable coefficients on irregular domains. Computers and Mathematics With Applications, 2021, 98, 81-98.	2.7	11
12	A space-time finite element method for solving linear Riesz space fractional partial differential equations. Numerical Algorithms, 2021, 88, 499-520.	1.9	16
13	An Information-Entropy Position-Weighted K-Mer Relative Measure for Whole Genome Phylogeny Reconstruction. Frontiers in Genetics, 2021, 12, 766496.	2.3	1
14	An investigation of radial basis functions for fractional derivatives and their applications. Computational Mechanics, 2020, 65, 475-486.	4.0	4
15	Finite difference/finite element method for two-dimensional time–space fractional Bloch–Torrey equations with variable coefficients on irregular convex domains. Computers and Mathematics With Applications, 2020, 80, 3173-3192.	2.7	13
16	Novel numerical techniques for the finite moment log stable computational model for European call option. Numerical Methods for Partial Differential Equations, 2020, 36, 1537-1554.	3.6	1
17	Multi-term time fractional diffusion equations and novel parameter estimation techniques for chloride ions sub-diffusion in reinforced concrete. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2020, 378, 20190538.	3.4	6
18	Multifractal temporally weighted detrended cross-correlation analysis of multivariate time series. Chaos, 2020, 30, 023134.	2.5	10

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19	Phylogenetic Analysis of HIV-1 Genomes Based on the Position-Weighted K-mers Method. Entropy, 2020, 22, 255.	2.2	9
20	The analytical solution and numerical solutions for a two-dimensional multi-term time fractional diffusion and diffusion-wave equation. Journal of Computational and Applied Mathematics, 2019, 345, 515-534.	2.0	39
21	On LSE in regression model for long-range dependent random fields on spheres. Statistics, 2019, 53, 1131-1151.	0.6	2
22	Multifractal analysis for core-periphery structure of complex networks. Journal of Statistical Mechanics: Theory and Experiment, 2019, 2019, 073405.	2.3	7
23	Analytical and numerical solutions of a two‐dimensional multi‐term time‐fractional Oldroyd‐B model. Numerical Methods for Partial Differential Equations, 2019, 35, 875-893.	3.6	10
24	Analytical and numerical solutions of a multi-term time-fractional Burgers' fluid model. Applied Mathematics and Computation, 2019, 356, 1-12.	2.2	13
25	Unstructured-mesh Galerkin finite element method for the two-dimensional multi-term time–space fractional Bloch–Torrey equations on irregular convex domains. Computers and Mathematics With Applications, 2019, 78, 1637-1650.	2.7	72
26	Numerical methods and analysis for a multi-term time–space variable-order fractional advection–diffusion equations and applications. Journal of Computational and Applied Mathematics, 2019, 352, 437-452.	2.0	27
27	A fractional alternating-direction implicit method for a multi-term time–space fractional Bloch–Torrey equations in three dimensions. Computers and Mathematics With Applications, 2019, 78, 1261-1273.	2.7	7
28	On rate of convergence in non-central limit theorems. Bernoulli, 2019, 25, .	1.3	10
29	On approximation for fractional stochastic partial differential equations on the sphere. Stochastic Environmental Research and Risk Assessment, 2018, 32, 2585-2603.	4.0	18
30	The Unstructured Mesh Finite Element Method for the Two-Dimensional Multi-term Time–Space Fractional Diffusion-Wave Equation on an Irregular Convex Domain. Journal of Scientific Computing, 2018, 77, 27-52.	2.3	27
31	Non-central limit theorems and convergence rates. Theory of Probability and Mathematical Statistics, 2018, 95, 3-15.	0.5	1
32	Laplacian normalization and bi-random walks on heterogeneous networks for predicting lncRNA-disease associations. BMC Systems Biology, 2018, 12, 122.	3.0	9
33	Identification of pre-microRNAs by characterizing their sequence order evolution information and secondary structure graphs. BMC Bioinformatics, 2018, 19, 521.	2.6	8
34	A fast numerical method for two-dimensional Riesz space fractional diffusion equations on a convex bounded region. Applied Numerical Mathematics, 2018, 134, 66-80.	2.1	12
35	From standard alpha-stable Lévy motions to horizontal visibility networks: dependence of multifractal and Laplacian spectrum. Journal of Statistical Mechanics: Theory and Experiment, 2018, 2018, 053403.	2.3	13
36	Convergence and superconvergence of a fully-discrete scheme for multi-term time fractional diffusion equations. Computers and Mathematics With Applications, 2017, 73, 1087-1099.	2.7	44

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37	A fast second-order accurate method for a two-sided space-fractional diffusion equation with variable coefficients. Computers and Mathematics With Applications, 2017, 73, 1155-1171.	2.7	31
38	A novel genome signature based on inter-nucleotide distances profiles for visualization of metagenomic data. Physica A: Statistical Mechanics and Its Applications, 2017, 482, 87-94.	2.6	0
39	Multifractal analysis and topological properties of a new family of weighted Koch networks. Physica A: Statistical Mechanics and Its Applications, 2017, 469, 695-705.	2.6	30
40	Numerical methods for the two-dimensional multi-term time-fractional diffusion equations. Computers and Mathematics With Applications, 2017, 74, 2253-2268.	2.7	17
41	Multifractal temporally weighted detrended cross-correlation analysis to quantify power-law cross-correlation and its application to stock markets. Chaos, 2017, 27, 063111.	2.5	21
42	Stochastic representation of fractional Bessel-Riesz motion. Chaos, Solitons and Fractals, 2017, 102, 135-139.	5.1	6
43	Multifractality and Laplace spectrum of horizontal visibility graphs constructed from fractional Brownian motions. Journal of Statistical Mechanics: Theory and Experiment, 2016, 2016, 033206.	2.3	16
44	Space-Time Fractional Stochastic Equations on Regular Bounded Open Domains. Fractional Calculus and Applied Analysis, 2016, 19, 1161-1199.	2.2	20
45	Fractional-In-Time and Multifractional-In-Space Stochastic Partial Differential Equations. Fractional Calculus and Applied Analysis, 2016, 19, 1434-1459.	2.2	11
46	Analytical solutions of multi-term time fractional differential equations and application to unsteady flows of generalized viscoelastic fluid. Computers and Mathematics With Applications, 2016, 72, 2084-2097.	2.7	48
47	Flow and heat transfer of power-law fluid over a rotating disk with generalized diffusion. International Communications in Heat and Mass Transfer, 2016, 79, 81-88.	5.6	19
48	A high-order spectral method for the multi-term time-fractional diffusion equations. Applied Mathematical Modelling, 2016, 40, 4970-4985.	4.2	118
49	Whole genome/proteome based phylogeny reconstruction for prokaryotes using higher order Markov model and chaos game representation. Molecular Phylogenetics and Evolution, 2016, 96, 102-111.	2.7	7
50	An implicit numerical method of a new time distributed-order and two-sided space-fractional advection-dispersion equation. Numerical Algorithms, 2016, 72, 393-407.	1.9	35
51	Galerkin finite element method and error analysis for the fractional cable equation. Numerical Algorithms, 2016, 72, 447-466.	1.9	49
52	Protein Folding Kinetic Order Prediction from Amino Acid Sequence Based on Horizontal Visibility Network. Current Bioinformatics, 2016, 11, 173-185.	1.5	5
53	Determination of multifractal dimensions of complex networks by means of the sandbox algorithm. Chaos, 2015, 25, 023103.	2.5	56
54	A fast semi-implicit difference method for a nonlinear two-sided space-fractional diffusion equation with variable diffusivity coefficients. Applied Mathematics and Computation, 2015, 257, 591-601.	2.2	50

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55	On the rate of convergence to Rosenblatt-type distribution. Journal of Mathematical Analysis and Applications, 2015, 425, 111-132.	1.0	14
56	Compact difference scheme for distributed-order time-fractional diffusion-wave equation on bounded domains. Journal of Computational Physics, 2015, 298, 652-660.	3.8	111
57	Whole-proteome based phylogenetic tree construction with inter-amino-acid distances and the conditional geometric distribution profiles. Molecular Phylogenetics and Evolution, 2015, 89, 37-45.	2.7	12
58	A Novel High Order Space-Time Spectral Method for the Time Fractional Fokker--Planck Equation. SIAM Journal of Scientific Computing, 2015, 37, A701-A724.	2.8	150
59	A new approach to spatial data interpolation using higher-order statistics. Stochastic Environmental Research and Risk Assessment, 2015, 29, 1679-1690.	4.0	7
60	Least-Squares Estimation of Multifractional Random Fields in a Hilbert-Valued Context. Journal of Optimization Theory and Applications, 2015, 167, 888-911.	1.5	2
61	A semi-alternating direction method for a 2-D fractional FitzHughâ€"Nagumo monodomain model on an approximate irregular domain. Journal of Computational Physics, 2015, 293, 252-263.	3.8	115
62	Numerical analysis for the time distributed-order and Riesz space fractional diffusions on bounded domains. IMA Journal of Applied Mathematics, 2015, 80, 825-838.	1.6	68
63	Numerical simulation of anomalous infiltration in porous media. Numerical Algorithms, 2015, 68, 443-454.	1.9	20
64	Numerical treatment of a two-dimensional variable-order fractional nonlinear reaction-diffusion model. , 2014, , .		0
65	A two-stage SVM method to predict membrane protein types by incorporating amino acid classifications and physicochemical properties into a general form of Chou's PseAAC. Journal of Theoretical Biology, 2014, 344, 31-39.	1.7	82
66	Numerical simulation for the three-dimension fractional sub-diffusion equation. Applied Mathematical Modelling, 2014, 38, 3695-3705.	4.2	32
67	Maximum principle and numerical method for the multi-term timeâ€"space Rieszâ€"Caputo fractional differential equations. Applied Mathematics and Computation, 2014, 227, 531-540.	2.2	53
68	A new fractional finite volume method for solving the fractional diffusion equation. Applied Mathematical Modelling, 2014, 38, 3871-3878.	4.2	180
69	A Crank--Nicolson ADI Spectral Method for a Two-Dimensional Riesz Space Fractional Nonlinear Reaction-Diffusion Equation. SIAM Journal on Numerical Analysis, 2014, 52, 2599-2622.	2.3	298
70	Numerical analysis of a new spaceâ€"time variable fractional order advectionâ€"dispersion equation. Applied Mathematics and Computation, 2014, 242, 541-550.	2.2	53
71	Fractal and complex network analyses of protein molecular dynamics. Physica A: Statistical Mechanics and Its Applications, 2014, 416, 21-32.	2.6	26
72	A novel numerical approximation for the space fractional advection-dispersion equation. IMA Journal of Applied Mathematics, 2014, 79, 431-444.	1.6	34

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73	Topological properties and fractal analysis of a recurrence network constructed from fractional Brownian motions. Physical Review E, 2014, 89, 032814.	2.1	31
74	A RBF meshless approach for modeling a fractal mobile/immobile transport model. Applied Mathematics and Computation, 2014, 226, 336-347.	2.2	74
75	Multifractal analyses of daily rainfall time series in Pearl River basin of China. Physica A: Statistical Mechanics and Its Applications, 2014, 405, 193-202.	2.6	47
76	Underlying scaling relationships between solar activity and geomagnetic activity revealed by multifractal analyses. Journal of Geophysical Research: Space Physics, 2014, 119, 7577-7586.	2.4	8
77	Secondary Structure Element Alignment Kernel Method for Prediction of Protein Structural Classes. Current Bioinformatics, 2014, 9, 253-257.	1.5	3
78	A characteristic difference method for the variable-order fractional advection-diffusion equation. Journal of Applied Mathematics and Computing, 2013, 42, 371-386.	2.5	49
79	Numerical simulation for two-dimensional Riesz space fractional diffusion equations with a nonlinear reaction term. Open Physics, 2013, 11, .	1.7	21
80	An implicit numerical method for the two-dimensional fractional percolation equation. Applied Mathematics and Computation, 2013, 219, 4322-4331.	2.2	47
81	Numerical approximation for a variable-order nonlinear reaction–subdiffusion equation. Numerical Algorithms, 2013, 63, 265-290.	1.9	31
82	Wavelet-Based Estimation of Anisotropic Spatiotemporal Long-Range Dependence. Stochastic Analysis and Applications, 2013, 31, 359-380.	1.5	2
83	Macroscaling Limit Theorems for Filtered Spatiotemporal Random Fields. Stochastic Analysis and Applications, 2013, 31, 460-508.	1.5	11
84	Heterogeneous Spatial Dynamical Regression in a Hilbert-Valued Context. Stochastic Analysis and Applications, 2013, 31, 509-527.	1.5	4
85	Fuzzy C-means method with empirical mode decomposition for clustering microarray data. International Journal of Data Mining and Bioinformatics, 2013, 7, 103.	0.1	9
86	An Ensemble Method for Predicting Subnuclear Localizations from Primary Protein Structures. PLoS ONE, 2013, 8, e57225.	2.5	40
87	Multifractal analysis of solar flare indices and their horizontal visibility graphs. Nonlinear Processes in Geophysics, 2012, 19, 657-665.	1.3	15
88	Numerical methods for solving a two-dimensional variable-order anomalous subdiffusion equation. Mathematics of Computation, 2012, 81, 345-366.	2.1	75
89	Numerical techniques for the variable order time fractional diffusion equation. Applied Mathematics and Computation, 2012, 218, 10861-10870.	2.2	140
90	The analytical solution and numerical solution of the fractional diffusion-wave equation with damping. Applied Mathematics and Computation, 2012, 219, 1737-1748.	2.2	82

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91	Prediction of fractional processes with long-range dependence. Hokkaido Mathematical Journal, 2012, 41, .	0.3	2
92	Numerical approximations and solution techniques for the space-time Rieszâ€"Caputo fractional advection-diffusion equation. Numerical Algorithms, 2011, 56, 383-403.	1.9	118
93	A novel implicit finite difference method for the one-dimensional fractional percolation equation. Numerical Algorithms, 2011, 56, 517-535.	1.9	19
94	Numerical simulation for the variable-order Galilei invariant advection diffusion equation with a nonlinear source term. Applied Mathematics and Computation, 2011, 217, 5729-5742.	2.2	34
95	Numerical methods with fourth-order spatial accuracy for variable-order nonlinear Stokesâ€™ first problem for a heated generalized second grade fluid. Computers and Mathematics With Applications, 2011, 62, 971-986.	2.7	49
96	Finite element approximation for a modified anomalous subdiffusion equation. Applied Mathematical Modelling, 2011, 35, 4103-4116.	4.2	97
97	Evaluation of bias in higher-order spectral estimation. Theory of Probability and Mathematical Statistics, 2010, 80, 1-1.	0.5	5
98	Galerkin finite element approximation of symmetric space-fractional partial differential equations. Applied Mathematics and Computation, 2010, 217, 2534-2545.	2.2	154
99	Numerical schemes and multivariate extrapolation of a two-dimensional anomalous sub-diffusion equation. Numerical Algorithms, 2010, 54, 1-21.	1.9	79
100	Whole-proteome phylogeny of large dsDNA viruses and parvoviruses through a composition vector method related to dynamical language model. BMC Evolutionary Biology, 2010, 10, 192.	3.2	23
101	Multifractal analysis of measure representation of flood/drought grade series in the Yangtze Delta, China, during the past millennium and their fractal model simulation. International Journal of Climatology, 2010, 30, 450-457.	3.5	15
102	Analytical and numerical solutions of a one-dimensional fractional-in-space diffusion equation in a composite medium. Applied Mathematics and Computation, 2010, 216, 2248-2262.	2.2	18
103	Simulation of multifractal products of Ornsteinâ€"Uhlenbeck type processes. Nonlinearity, 2010, 23, 823-843.	1.4	7
104	Multifractional Markov Processes in Heterogeneous Domains. Stochastic Analysis and Applications, 2010, 29, 15-47.	1.5	6
105	Chaos game representation of functional protein sequences, and simulation and multifractal analysis of induced measures. Chinese Physics B, 2010, 19, 068701.	1.4	12
106	Proper Distance Metrics for Phylogenetic Analysis Using Complete Genomes without Sequence Alignment. International Journal of Molecular Sciences, 2010, 11, 1141-1154.	4.1	24
107	Modeling and simulation of the horizontal component of the geomagnetic field by fractional stochastic differential equations in conjunction with empirical mode decomposition. Journal of Geophysical Research, 2010, 115, .	3.3	38
108	Numerical Schemes with High Spatial Accuracy for a Variable-Order Anomalous Subdiffusion Equation. SIAM Journal of Scientific Computing, 2010, 32, 1740-1760.	2.8	198

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109	Fuzzy C-means method with empirical mode decomposition for clustering microarray data. , 2010, , .		2
110	Regularity of Backward Stochastic Volterra Integral Equations in Hilbert Spaces. Stochastic Analysis and Applications, 2010, 29, 146-168.	1.5	18
111	Analysing the Similarity of Proteins Based on a New Approach to Empirical Mode Decomposition. International Conference on Bioinformatics and Biomedical Engineering: [proceedings] International Conference on Bioinformatics and Biomedical Engineering, 2010, , .	0.0	4
112	Statistical estimation of nonstationary Gaussian processes with long-range dependence and intermittency. , 2010, , 438-463.		0
113	Multifractal scaling of products of birth–death processes. Bernoulli, 2009, 15, .	1.3	10
114	Distinguishing Coding from Non-coding Sequences in a Prokaryote Complete Genome Based on the Global Descriptor. , 2009, , .		2
115	Stability and convergence of an implicit numerical method for the non-linear fractional reaction-subdiffusion process. IMA Journal of Applied Mathematics, 2009, 74, 645-667.	1.6	53
116	Prediction of protein structural classes by recurrence quantification analysis based on chaos game representation. Journal of Theoretical Biology, 2009, 257, 618-626.	1.7	113
117	Clustering structures of large proteins using multifractal analyses based on a 6-letter model and hydrophobicity scale of amino acids. Chaos, Solitons and Fractals, 2009, 40, 607-620.	5.1	25
118	Stability and convergence of a new explicit finite-difference approximation for the variable-order nonlinear fractional diffusion equation. Applied Mathematics and Computation, 2009, 212, 435-445.	2.2	217
119	A Fourier method and an extrapolation technique for Stokes' first problem for a heated generalized second grade fluid with fractional derivative. Journal of Computational and Applied Mathematics, 2009, 223, 777-789.	2.0	48
120	Finite difference approximations for the fractional Fokker–Planck equation. Applied Mathematical Modelling, 2009, 33, 256-273.	4.2	199
121	Multifractal Products of Stationary Diffusion Processes. Stochastic Analysis and Applications, 2009, 27, 475-499.	1.5	13
122	<i>Q</i>-Fractional Brownian Motion in Infinite Dimensions with Application to Fractional Black–Scholes Market. Stochastic Analysis and Applications, 2009, 27, 149-175.	1.5	10
123	Multifractal analysis of geomagnetic storm and solar flare indices and their class dependence. Journal of Geophysical Research, 2009, 114, .	3.3	25
124	Numerical Methods for the Variable-Order Fractional Advection-Diffusion Equation with a Nonlinear Source Term. SIAM Journal on Numerical Analysis, 2009, 47, 1760-1781.	2.3	458
125	An Approximate Solution for the Rayleigh-Stokes Problem for a Heated Generalized Second Grade Fluid with Fractional Derivative Model Using the Adomian Decomposition Method. Journal of Algorithms and Computational Technology, 2009, 3, 553-572.	0.7	5
126	Fundamental solution and discrete random walk model for a time-space fractional diffusion equation of distributed order. Journal of Applied Mathematics and Computing, 2008, 28, 147-164.	2.5	13

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127	Multifractality in space–time statistical models. Stochastic Environmental Research and Risk Assessment, 2008, 22, 81-86.	4.0	14
128	Solving linear and non‐linear space–time fractional reaction–diffusion equations by the Adomian decomposition method. International Journal for Numerical Methods in Engineering, 2008, 74, 138-158.	2.8	42
129	Analytical solution for the time-fractional telegraph equation by the method of separating variables. Journal of Mathematical Analysis and Applications, 2008, 338, 1364-1377.	1.0	179
130	Numerical analysis of the Rayleigh–Stokes problem for a heated generalized second grade fluid with fractional derivatives. Applied Mathematics and Computation, 2008, 204, 340-351.	2.2	54
131	Log-normal, log-gamma and log-negative inverted gamma scenarios in multifractal products of stochastic processes. Statistics and Probability Letters, 2008, 78, 1274-1282.	0.7	3
132	Human Pol II promoter recognition based on primary sequences and free energy of dinucleotides. BMC Bioinformatics, 2008, 9, 113.	2.6	27
133	Chaos Game Representation of Genomes and their Simulation by Recurrent Iterated Function Systems. , 2008, , .		2
134	Protein Structure Classification Based on Chaos Game Representation and Multifractal Analysis. , 2008, , .		5
135	New Solution and Analytical Techniques of the Implicit Numerical Method for the Anomalous Subdiffusion Equation. SIAM Journal on Numerical Analysis, 2008, 46, 1079-1095.	2.3	319
136	The fundamental solution and numerical solution of the Riesz fractional advection-dispersion equation. IMA Journal of Applied Mathematics, 2008, 73, 850-872.	1.6	97
137	Protein Structure Classification Using Local Holder Exponents Estimated by Wavelet Transform. , 2008, , .		0
138	Prediction of Fractional Brownian Motion-Type Processes. Stochastic Analysis and Applications, 2007, 25, 641-666.	1.5	5
139	Correlations between designability and various structural characteristics of protein lattice models. Journal of Chemical Physics, 2007, 126, 195101.	3.0	9
140	Numerical Simulation of the Nonlinear Fractional Dynamical Systems with Fractional Damping for the Extensible and Inextensible Pendulum. Journal of Algorithms and Computational Technology, 2007, 1, 427-447.	0.7	7
141	Distinguish Coding And Noncoding Sequences In A Complete Genome Using Fourier Transform. , 2007, , .		8
142	Analysis of global geomagnetic variability. Nonlinear Processes in Geophysics, 2007, 14, 701-708.	1.3	22
143	Binary market models with memory. Statistics and Probability Letters, 2007, 77, 256-264.	0.7	2
144	Numerical approximation of Lévy–Feller diffusion equation and its probability interpretation. Journal of Computational and Applied Mathematics, 2007, 206, 1098-1115.	2.0	38

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145	Chaos game representation of the Dst index and prediction of geomagnetic storm events. Chaos, Solitons and Fractals, 2007, 31, 736-746.	5.1	21
146	Stability and convergence of the difference methods for the space–time fractional advection–diffusion equation. Applied Mathematics and Computation, 2007, 191, 12-20.	2.2	452
147	Minimum contrast estimation of random processes based on information of second and third orders. Journal of Statistical Planning and Inference, 2007, 137, 1302-1331.	0.6	26
148	Statistical inference using higher-order information. Journal of Multivariate Analysis, 2007, 98, 706-742.	1.0	6
149	A Fourier method for the fractional diffusion equation describing sub-diffusion. Journal of Computational Physics, 2007, 227, 886-897.	3.8	305
150	Approximation of the Lévy–Feller advection–dispersion process by random walk and finite difference method. Journal of Computational Physics, 2007, 222, 57-70.	3.8	112
151	Cluster protein structures using recurrence quantification analysis on coordinates of alpha-carbon atoms of proteins. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 368, 314-319.	2.1	11
152	A finite volume simulation model for saturated–unsaturated flow and application to Gooburrum, Bundaberg, Queensland, Australia. Applied Mathematical Modelling, 2006, 30, 352-366.	4.2	10
153	Spectral Properties of Burgers and KPZ Turbulence. Journal of Statistical Physics, 2006, 122, 949-974.	1.2	11
154	Detailed analysis of a conservative difference approximation for the time fractional diffusion equation. Journal of Applied Mathematics and Computing, 2006, 22, 1-19.	2.5	19
155	Spatial and Spatiotemporal Karhunen-Loève-Type Representations on Fractal Domains. Stochastic Analysis and Applications, 2006, 24, 195-219.	1.5	7
156	Fractional kinetic equations driven by Gaussian or infinitely divisible noise. Advances in Applied Probability, 2005, 37, 366-392.	0.7	19
157	Similarity solutions for solute transport in fractal porous media using a time- and scale-dependent dispersivity. Applied Mathematical Modelling, 2005, 29, 852-870.	4.2	49
158	A fractal method to distinguish coding and non-coding sequences in a complete genome based on a number sequence representation. Journal of Theoretical Biology, 2005, 232, 559-567.	1.7	45
159	Diffusion on multifractals. Nonlinear Analysis: Theory, Methods & Applications, 2005, 63, e2043-e2056.	1.1	16
160	Phylogeny of Prokaryotes and Chloroplasts Revealed by a Simple Composition Approach on All Protein Sequences from Complete Genomes Without Sequence Alignment. Journal of Molecular Evolution, 2005, 60, 538-545.	1.8	50
161	Prediction of magnetic storm events using the <i>D<sub>st</sub></i> index. Nonlinear Processes in Geophysics, 2005, 12, 799-806.	1.3	14
162	Financial Markets with Memory II: Innovation Processes and Expected Utility Maximization. Stochastic Analysis and Applications, 2005, 23, 301-328.	1.5	18

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163	Financial Markets with Memory I: Dynamic Models. Stochastic Analysis and Applications, 2005, 23, 275-300.	1.5	40
164	Fractal and Dynamical Language Methods to Construct Phylogenetic Tree Based on Protein Sequences from Complete Genomes. Lecture Notes in Computer Science, 2005, , 337-347.	1.3	1
165	Fractional Generalized Random Fields of Variable Order. Stochastic Analysis and Applications, 2004, 22, 775-799.	1.5	57
166	Continuous-Time Stochastic Processes with Cyclical Long-Range Dependence. Australian and New Zealand Journal of Statistics, 2004, 46, 275-296.	0.9	28
167	The Riesz?Bessel Fractional Diffusion Equation. Applied Mathematics and Optimization, 2004, 49, 241-264.	1.6	10
168	On a class of minimum contrast estimators for fractional stochastic processes and fields. Journal of Statistical Planning and Inference, 2004, 123, 161-185.	0.6	29
169	Fractal analysis of measure representation of large proteins based on the detailed HP model. Physica A: Statistical Mechanics and Its Applications, 2004, 337, 171-184.	2.6	28
170	Fractal tidal waves in coastal aquifers induced both anthropogenically and naturally. Environmental Modelling and Software, 2004, 19, 1125-1130.	4.5	3
171	Chaos game representation of protein sequences based on the detailed HP model and their multifractal and correlation analyses. Journal of Theoretical Biology, 2004, 226, 341-348.	1.7	123
172	Numerical solution of the space fractional Fokker–Planck equation. Journal of Computational and Applied Mathematics, 2004, 166, 209-219.	2.0	602
173	Prediction of fractional Brownian motion with Hurst index less than 1/2. Bulletin of the Australian Mathematical Society, 2004, 70, 321-328.	0.5	9
174	Estimation of Spectral Densities with Multiplicative Parameter. Acta Applicandae Mathematicae, 2003, 79, 115-128.	1.0	3
175	Higher-Order Spectral Densities of Fractional Random Fields. Journal of Statistical Physics, 2003, 111, 789-814.	1.2	25
176	The genomic tree of living organisms based on a fractal model. Physics Letters, Section A: General, Atomic and Solid State Physics, 2003, 317, 293-302.	2.1	19
177	Fractional-order regularization and wavelet approximation to the inverse estimation problem for random fields. Journal of Multivariate Analysis, 2003, 85, 192-216.	1.0	24
178	Harmonic analysis of random fractional diffusion–wave equations. Applied Mathematics and Computation, 2003, 141, 77-85.	2.2	30
179	Tides as phase-modulated waves inducing periodic groundwater flow in coastal aquifers overlaying a sloping impervious base. Environmental Modelling and Software, 2003, 18, 937-942.	4.5	29
180	Origin and Phylogeny of Chloroplasts Revealed by a Simple Correlation Analysis of Complete Genomes. Molecular Biology and Evolution, 2003, 21, 200-206.	8.9	66

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