

Vo V Anh

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8360345/publications.pdf>

Version: 2024-02-01

229
papers

9,423
citations

44069

48
h-index

46799

89
g-index

231
all docs

231
docs citations

231
times ranked

3001
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical solution of the space fractional Fokker–Planck equation. <i>Journal of Computational and Applied Mathematics</i> , 2004, 166, 209-219.	2.0	602
2	Numerical Methods for the Variable-Order Fractional Advection-Diffusion Equation with a Nonlinear Source Term. <i>SIAM Journal on Numerical Analysis</i> , 2009, 47, 1760-1781.	2.3	458
3	Stability and convergence of the difference methods for the space–time fractional advection–diffusion equation. <i>Applied Mathematics and Computation</i> , 2007, 191, 12-20.	2.2	452
4	New Solution and Analytical Techniques of the Implicit Numerical Method for the Anomalous Subdiffusion Equation. <i>SIAM Journal on Numerical Analysis</i> , 2008, 46, 1079-1095.	2.3	319
5	A Fourier method for the fractional diffusion equation describing sub-diffusion. <i>Journal of Computational Physics</i> , 2007, 227, 886-897.	3.8	305
6	A Crank–Nicolson ADI Spectral Method for a Two-Dimensional Riesz Space Fractional Nonlinear Reaction-Diffusion Equation. <i>SIAM Journal on Numerical Analysis</i> , 2014, 52, 2599-2622.	2.3	298
7	Stability and convergence of a new explicit finite-difference approximation for the variable-order nonlinear fractional diffusion equation. <i>Applied Mathematics and Computation</i> , 2009, 212, 435-445.	2.2	217
8	Finite difference approximations for the fractional Fokker–Planck equation. <i>Applied Mathematical Modelling</i> , 2009, 33, 256-273.	4.2	199
9	Numerical Schemes with High Spatial Accuracy for a Variable-Order Anomalous Subdiffusion Equation. <i>SIAM Journal of Scientific Computing</i> , 2010, 32, 1740-1760.	2.8	198
10	A new fractional finite volume method for solving the fractional diffusion equation. <i>Applied Mathematical Modelling</i> , 2014, 38, 3871-3878.	4.2	180
11	Analytical solution for the time-fractional telegraph equation by the method of separating variables. <i>Journal of Mathematical Analysis and Applications</i> , 2008, 338, 1364-1377.	1.0	179
12	Spectral Analysis of Fractional Kinetic Equations with Random Data. <i>Journal of Statistical Physics</i> , 2001, 104, 1349-1387.	1.2	155
13	Galerkin finite element approximation of symmetric space-fractional partial differential equations. <i>Applied Mathematics and Computation</i> , 2010, 217, 2534-2545.	2.2	154
14	A Novel High Order Space-Time Spectral Method for the Time Fractional Fokker–Planck Equation. <i>SIAM Journal of Scientific Computing</i> , 2015, 37, A701-A724.	2.8	150
15	Numerical techniques for the variable order time fractional diffusion equation. <i>Applied Mathematics and Computation</i> , 2012, 218, 10861-10870.	2.2	140
16	Chaos game representation of protein sequences based on the detailed HP model and their multifractal and correlation analyses. <i>Journal of Theoretical Biology</i> , 2004, 226, 341-348.	1.7	123
17	Numerical approximations and solution techniques for the space-time Riesz–Caputo fractional advection-diffusion equation. <i>Numerical Algorithms</i> , 2011, 56, 383-403.	1.9	118
18	A high-order spectral method for the multi-term time-fractional diffusion equations. <i>Applied Mathematical Modelling</i> , 2016, 40, 4970-4985.	4.2	118

#	ARTICLE	IF	CITATIONS
19	A semi-alternating direction method for a 2-D fractional FitzHugh-Nagumo monodomain model on an approximate irregular domain. <i>Journal of Computational Physics</i> , 2015, 293, 252-263.	3.8	115
20	Prediction of protein structural classes by recurrence quantification analysis based on chaos game representation. <i>Journal of Theoretical Biology</i> , 2009, 257, 618-626.	1.7	113
21	Approximation of the Lévy-Feller advection-dispersion process by random walk and finite difference method. <i>Journal of Computational Physics</i> , 2007, 222, 57-70.	3.8	112
22	Possible long-range dependence in fractional random fields. <i>Journal of Statistical Planning and Inference</i> , 1999, 80, 95-110.	0.6	111
23	Compact difference scheme for distributed-order time-fractional diffusion-wave equation on bounded domains. <i>Journal of Computational Physics</i> , 2015, 298, 652-660.	3.8	111
24	Measure representation and multifractal analysis of complete genomes. <i>Physical Review E</i> , 2001, 64, 031903.	2.1	98
25	The fundamental solution and numerical solution of the Riesz fractional advection-dispersion equation. <i>IMA Journal of Applied Mathematics</i> , 2008, 73, 850-872.	1.6	97
26	Finite element approximation for a modified anomalous subdiffusion equation. <i>Applied Mathematical Modelling</i> , 2011, 35, 4103-4116.	4.2	97
27	The analytical solution and numerical solution of the fractional diffusion-wave equation with damping. <i>Applied Mathematics and Computation</i> , 2012, 219, 1737-1748.	2.2	82
28	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. <i>Journal of Theoretical Biology</i> , 2014, 344, 31-39.	1.7	82
29	Numerical schemes and multivariate extrapolation of a two-dimensional anomalous sub-diffusion equation. <i>Numerical Algorithms</i> , 2010, 54, 1-21.	1.9	79
30	Multifractal and correlation analyses of protein sequences from complete genomes. <i>Physical Review E</i> , 2003, 68, 021913.	2.1	77
31	Numerical methods for solving a two-dimensional variable-order anomalous subdiffusion equation. <i>Mathematics of Computation</i> , 2012, 81, 345-366.	2.1	75
32	A RBF meshless approach for modeling a fractal mobile/immobile transport model. <i>Applied Mathematics and Computation</i> , 2014, 226, 336-347.	2.2	74
33	Unstructured-mesh Galerkin finite element method for the two-dimensional multi-term time-space fractional Bloch-Torrey equations on irregular convex domains. <i>Computers and Mathematics With Applications</i> , 2019, 78, 1637-1650.	2.7	72
34	Numerical analysis for the time distributed-order and Riesz space fractional diffusions on bounded domains. <i>IMA Journal of Applied Mathematics</i> , 2015, 80, 825-838.	1.6	68
35	Origin and Phylogeny of Chloroplasts Revealed by a Simple Correlation Analysis of Complete Genomes. <i>Molecular Biology and Evolution</i> , 2003, 21, 200-206.	8.9	66
36	A parabolic stochastic differential equation with fractional Brownian motion input. <i>Statistics and Probability Letters</i> , 1999, 41, 337-346.	0.7	65

#	ARTICLE	IF	CITATIONS
37	Fractional diffusion and fractional heat equation. <i>Advances in Applied Probability</i> , 2000, 32, 1077-1099.	0.7	57
38	Fractional Generalized Random Fields of Variable Order. <i>Stochastic Analysis and Applications</i> , 2004, 22, 775-799.	1.5	57
39	Determination of multifractal dimensions of complex networks by means of the sandbox algorithm. <i>Chaos</i> , 2015, 25, 023103.	2.5	56
40	Numerical analysis of the Rayleigh–Stokes problem for a heated generalized second grade fluid with fractional derivatives. <i>Applied Mathematics and Computation</i> , 2008, 204, 340-351.	2.2	54
41	Stability and convergence of an implicit numerical method for the non-linear fractional reaction-subdiffusion process. <i>IMA Journal of Applied Mathematics</i> , 2009, 74, 645-667.	1.6	53
42	Maximum principle and numerical method for the multi-term time–space Riesz–Caputo fractional differential equations. <i>Applied Mathematics and Computation</i> , 2014, 227, 531-540.	2.2	53
43	Numerical analysis of a new space–time variable fractional order advection–dispersion equation. <i>Applied Mathematics and Computation</i> , 2014, 242, 541-550.	2.2	53
44	Phylogeny of Prokaryotes and Chloroplasts Revealed by a Simple Composition Approach on All Protein Sequences from Complete Genomes Without Sequence Alignment. <i>Journal of Molecular Evolution</i> , 2005, 60, 538-545.	1.8	50
45	A fast semi-implicit difference method for a nonlinear two-sided space-fractional diffusion equation with variable diffusivity coefficients. <i>Applied Mathematics and Computation</i> , 2015, 257, 591-601.	2.2	50
46	Similarity solutions for solute transport in fractal porous media using a time- and scale-dependent dispersivity. <i>Applied Mathematical Modelling</i> , 2005, 29, 852-870.	4.2	49
47	Numerical methods with fourth-order spatial accuracy for variable-order nonlinear Stokes–Stokes first problem for a heated generalized second grade fluid. <i>Computers and Mathematics With Applications</i> , 2011, 62, 971-986.	2.7	49
48	A characteristic difference method for the variable-order fractional advection-diffusion equation. <i>Journal of Applied Mathematics and Computing</i> , 2013, 42, 371-386.	2.5	49
49	Galerkin finite element method and error analysis for the fractional cable equation. <i>Numerical Algorithms</i> , 2016, 72, 447-466.	1.9	49
50	A Fourier method and an extrapolation technique for Stokes–Stokes first problem for a heated generalized second grade fluid with fractional derivative. <i>Journal of Computational and Applied Mathematics</i> , 2009, 223, 777-789.	2.0	48
51	Analytical solutions of multi-term time fractional differential equations and application to unsteady flows of generalized viscoelastic fluid. <i>Computers and Mathematics With Applications</i> , 2016, 72, 2084-2097.	2.7	48
52	An implicit numerical method for the two-dimensional fractional percolation equation. <i>Applied Mathematics and Computation</i> , 2013, 219, 4322-4331.	2.2	47
53	Multifractal analyses of daily rainfall time series in Pearl River basin of China. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014, 405, 193-202.	2.6	47
54	A fractal method to distinguish coding and non-coding sequences in a complete genome based on a number sequence representation. <i>Journal of Theoretical Biology</i> , 2005, 232, 559-567.	1.7	45

#	ARTICLE	IF	CITATIONS
55	Convergence and superconvergence of a fully-discrete scheme for multi-term time fractional diffusion equations. <i>Computers and Mathematics With Applications</i> , 2017, 73, 1087-1099.	2.7	44
56	Scaling laws for fractional diffusion-wave equations with singular data. <i>Statistics and Probability Letters</i> , 2000, 48, 239-252.	0.7	43
57	Solving linear and non-linear space-time fractional reaction-diffusion equations by the Adomian decomposition method. <i>International Journal for Numerical Methods in Engineering</i> , 2008, 74, 138-158.	2.8	42
58	Non-Gaussian scenarios for the heat equation with singular initial conditions. <i>Stochastic Processes and Their Applications</i> , 1999, 84, 91-114.	0.9	41
59	Renormalization and homogenization of fractional diffusion equations with random data. <i>Probability Theory and Related Fields</i> , 2002, 124, 381-408.	1.8	41
60	Financial Markets with Memory I: Dynamic Models. <i>Stochastic Analysis and Applications</i> , 2005, 23, 275-300.	1.5	40
61	An Ensemble Method for Predicting Subnuclear Localizations from Primary Protein Structures. <i>PLoS ONE</i> , 2013, 8, e57225.	2.5	40
62	The analytical solution and numerical solutions for a two-dimensional multi-term time fractional diffusion and diffusion-wave equation. <i>Journal of Computational and Applied Mathematics</i> , 2019, 345, 515-534.	2.0	39
63	Numerical approximation of Lévy-Feller diffusion equation and its probability interpretation. <i>Journal of Computational and Applied Mathematics</i> , 2007, 206, 1098-1115.	2.0	38
64	Modeling and simulation of the horizontal component of the geomagnetic field by fractional stochastic differential equations in conjunction with empirical mode decomposition. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	38
65	Fractals in DNA sequence analysis. <i>Chinese Physics B</i> , 2002, 11, 1313-1318.	1.3	36
66	An implicit numerical method of a new time distributed-order and two-sided space-fractional advection-dispersion equation. <i>Numerical Algorithms</i> , 2016, 72, 393-407.	1.9	35
67	Numerical simulation for the variable-order Galilei invariant advection diffusion equation with a nonlinear source term. <i>Applied Mathematics and Computation</i> , 2011, 217, 5729-5742.	2.2	34
68	A novel numerical approximation for the space fractional advection-dispersion equation. <i>IMA Journal of Applied Mathematics</i> , 2014, 79, 431-444.	1.6	34
69	Numerical simulation for the three-dimension fractional sub-diffusion equation. <i>Applied Mathematical Modelling</i> , 2014, 38, 3695-3705.	4.2	32
70	Multifractal characterisation of length sequences of coding and noncoding segments in a complete genome. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2001, 301, 351-361.	2.6	31
71	Numerical approximation for a variable-order nonlinear reaction-subdiffusion equation. <i>Numerical Algorithms</i> , 2013, 63, 265-290.	1.9	31
72	Topological properties and fractal analysis of a recurrence network constructed from fractional Brownian motions. <i>Physical Review E</i> , 2014, 89, 032814.	2.1	31

#	ARTICLE	IF	CITATIONS
73	A fast second-order accurate method for a two-sided space-fractional diffusion equation with variable coefficients. <i>Computers and Mathematics With Applications</i> , 2017, 73, 1155-1171.	2.7	31
74	Harmonic analysis of random fractional diffusion-wave equations. <i>Applied Mathematics and Computation</i> , 2003, 141, 77-85.	2.2	30
75	Multifractal analysis and topological properties of a new family of weighted Koch networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 469, 695-705.	2.6	30
76	Semiparametric regression under long-range dependent errors. <i>Journal of Statistical Planning and Inference</i> , 1999, 80, 37-57.	0.6	29
77	Tides as phase-modulated waves inducing periodic groundwater flow in coastal aquifers overlaying a sloping impervious base. <i>Environmental Modelling and Software</i> , 2003, 18, 937-942.	4.5	29
78	On a class of minimum contrast estimators for fractional stochastic processes and fields. <i>Journal of Statistical Planning and Inference</i> , 2004, 123, 161-185.	0.6	29
79	Parameter Estimation of Stochastic Processes with Long-range Dependence and Intermittency. <i>Journal of Time Series Analysis</i> , 2001, 22, 517-535.	1.2	28
80	Continuous-Time Stochastic Processes with Cyclical Long-Range Dependence. <i>Australian and New Zealand Journal of Statistics</i> , 2004, 46, 275-296.	0.9	28
81	Fractal analysis of measure representation of large proteins based on the detailed HP model. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2004, 337, 171-184.	2.6	28
82	Time series model based on global structure of complete genome. <i>Chaos, Solitons and Fractals</i> , 2001, 12, 1827-1834.	5.1	27
83	Semiparametric Approximation Methods in Multivariate Model Selection. <i>Journal of Complexity</i> , 2001, 17, 754-772.	1.3	27
84	Multifractal characterization of complete genomes. <i>Journal of Physics A</i> , 2001, 34, 7127-7139.	1.6	27
85	Human Pol II promoter recognition based on primary sequences and free energy of dinucleotides. <i>BMC Bioinformatics</i> , 2008, 9, 113.	2.6	27
86	The Unstructured Mesh Finite Element Method for the Two-Dimensional Multi-term Time-Space Fractional Diffusion-Wave Equation on an Irregular Convex Domain. <i>Journal of Scientific Computing</i> , 2018, 77, 27-52.	2.3	27
87	Numerical methods and analysis for a multi-term time-space variable-order fractional advection-diffusion equations and applications. <i>Journal of Computational and Applied Mathematics</i> , 2019, 352, 437-452.	2.0	27
88	Minimum contrast estimation of random processes based on information of second and third orders. <i>Journal of Statistical Planning and Inference</i> , 2007, 137, 1302-1331.	0.6	26
89	Fractal and complex network analyses of protein molecular dynamics. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014, 416, 21-32.	2.6	26
90	Stochastic fractional-order differential models with fractal boundary conditions. <i>Statistics and Probability Letters</i> , 2001, 54, 47-60.	0.7	25

#	ARTICLE	IF	CITATIONS
91	Higher-Order Spectral Densities of Fractional Random Fields. <i>Journal of Statistical Physics</i> , 2003, 111, 789-814.	1.2	25
92	Clustering structures of large proteins using multifractal analyses based on a 6-letter model and hydrophobicity scale of amino acids. <i>Chaos, Solitons and Fractals</i> , 2009, 40, 607-620.	5.1	25
93	Multifractal analysis of geomagnetic storm and solar flare indices and their class dependence. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	25
94	Parameter estimation of random fields with long-range dependence. <i>Mathematical and Computer Modelling</i> , 1995, 21, 67-77.	2.0	24
95	Modeling Anthropogenic Trends in Air Quality Data. <i>Journal of the Air and Waste Management Association</i> , 1997, 47, 66-71.	1.9	24
96	Fractional-order regularization and wavelet approximation to the inverse estimation problem for random fields. <i>Journal of Multivariate Analysis</i> , 2003, 85, 192-216.	1.0	24
97	Proper Distance Metrics for Phylogenetic Analysis Using Complete Genomes without Sequence Alignment. <i>International Journal of Molecular Sciences</i> , 2010, 11, 1141-1154.	4.1	24
98	Linear filtering with fractional brownian motion. <i>Stochastic Analysis and Applications</i> , 1998, 16, 907-914.	1.5	23
99	Scaling limit solution of a fractional Burgers equation. <i>Stochastic Processes and Their Applications</i> , 2001, 93, 285-300.	0.9	23
100	Whole-proteome phylogeny of large dsDNA viruses and parvoviruses through a composition vector method related to dynamical language model. <i>BMC Evolutionary Biology</i> , 2010, 10, 192.	3.2	23
101	Analysis of global geomagnetic variability. <i>Nonlinear Processes in Geophysics</i> , 2007, 14, 701-708.	1.3	22
102	Chaos game representation of the Dst index and prediction of geomagnetic storm events. <i>Chaos, Solitons and Fractals</i> , 2007, 31, 736-746.	5.1	21
103	Numerical simulation for two-dimensional Riesz space fractional diffusion equations with a nonlinear reaction term. <i>Open Physics</i> , 2013, 11, .	1.7	21
104	Multifractal temporally weighted detrended cross-correlation analysis to quantify power-law cross-correlation and its application to stock markets. <i>Chaos</i> , 2017, 27, 063111.	2.5	21
105	Stochastic models for fractal processes. <i>Journal of Statistical Planning and Inference</i> , 1999, 80, 123-135.	0.6	20
106	Statistical estimation of nonstationary Gaussian processes with long-range dependence and intermittency. <i>Stochastic Processes and Their Applications</i> , 2002, 99, 295-321.	0.9	20
107	Numerical simulation of anomalous infiltration in porous media. <i>Numerical Algorithms</i> , 2015, 68, 443-454.	1.9	20
108	Space-Time Fractional Stochastic Equations on Regular Bounded Open Domains. <i>Fractional Calculus and Applied Analysis</i> , 2016, 19, 1161-1199.	2.2	20

#	ARTICLE	IF	CITATIONS
109	The genomic tree of living organisms based on a fractal model. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2003, 317, 293-302.	2.1	19
110	Fractional kinetic equations driven by Gaussian or infinitely divisible noise. <i>Advances in Applied Probability</i> , 2005, 37, 366-392.	0.7	19
111	Detailed analysis of a conservative difference approximation for the time fractional diffusion equation. <i>Journal of Applied Mathematics and Computing</i> , 2006, 22, 1-19.	2.5	19
112	A novel implicit finite difference method for the one-dimensional fractional percolation equation. <i>Numerical Algorithms</i> , 2011, 56, 517-535.	1.9	19
113	Flow and heat transfer of power-law fluid over a rotating disk with generalized diffusion. <i>International Communications in Heat and Mass Transfer</i> , 2016, 79, 81-88.	5.6	19
114	Financial Markets with Memory II: Innovation Processes and Expected Utility Maximization. <i>Stochastic Analysis and Applications</i> , 2005, 23, 301-328.	1.5	18
115	Analytical and numerical solutions of a one-dimensional fractional-in-space diffusion equation in a composite medium. <i>Applied Mathematics and Computation</i> , 2010, 216, 2248-2262.	2.2	18
116	Regularity of Backward Stochastic Volterra Integral Equations in Hilbert Spaces. <i>Stochastic Analysis and Applications</i> , 2010, 29, 146-168.	1.5	18
117	On approximation for fractional stochastic partial differential equations on the sphere. <i>Stochastic Environmental Research and Risk Assessment</i> , 2018, 32, 2585-2603.	4.0	18
118	Numerical methods for the two-dimensional multi-term time-fractional diffusion equations. <i>Computers and Mathematics With Applications</i> , 2017, 74, 2253-2268.	2.7	17
119	A space-time spectral method for time-fractional Black-Scholes equation. <i>Applied Numerical Mathematics</i> , 2021, 165, 152-166.	2.1	17
120	Diffusion on multifractals. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2005, 63, e2043-e2056.	1.1	16
121	Multifractality and Laplace spectrum of horizontal visibility graphs constructed from fractional Brownian motions. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2016, 2016, 033206.	2.3	16
122	A space-time finite element method for solving linear Riesz space fractional partial differential equations. <i>Numerical Algorithms</i> , 2021, 88, 499-520.	1.9	16
123	Estimated Generalized Least Squares for Random Coefficient Regression Models. <i>Scandinavian Journal of Statistics</i> , 1999, 26, 31-46.	1.4	15
124	Multifractal analysis of measure representation of flood/drought grade series in the Yangtze Delta, China, during the past millennium and their fractal model simulation. <i>International Journal of Climatology</i> , 2010, 30, 450-457.	3.5	15
125	Multifractal analysis of solar flare indices and their horizontal visibility graphs. <i>Nonlinear Processes in Geophysics</i> , 2012, 19, 657-665.	1.3	15
126	Scaling theorems for zero crossings of bandlimited signals. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 1996, 18, 309-320.	13.9	14

#	ARTICLE	IF	CITATIONS
127	Prediction of magnetic storm events using the D_{st}/i index. <i>Nonlinear Processes in Geophysics</i> , 2005, 12, 799-806.	1.3	14
128	Multifractality in space-time statistical models. <i>Stochastic Environmental Research and Risk Assessment</i> , 2008, 22, 81-86.	4.0	14
129	On the rate of convergence to Rosenblatt-type distribution. <i>Journal of Mathematical Analysis and Applications</i> , 2015, 425, 111-132.	1.0	14
130	Fundamental solution and discrete random walk model for a time-space fractional diffusion equation of distributed order. <i>Journal of Applied Mathematics and Computing</i> , 2008, 28, 147-164.	2.5	13
131	Multifractal Products of Stationary Diffusion Processes. <i>Stochastic Analysis and Applications</i> , 2009, 27, 475-499.	1.5	13
132	From standard alpha-stable Lévy motions to horizontal visibility networks: dependence of multifractal and Laplacian spectrum. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2018, 2018, 053403.	2.3	13
133	Analytical and numerical solutions of a multi-term time-fractional Burgers' fluid model. <i>Applied Mathematics and Computation</i> , 2019, 356, 1-12.	2.2	13
134	Finite difference/finite element method for two-dimensional time-space fractional Bloch-Torrey equations with variable coefficients on irregular convex domains. <i>Computers and Mathematics With Applications</i> , 2020, 80, 3173-3192.	2.7	13
135	Chaos game representation of functional protein sequences, and simulation and multifractal analysis of induced measures. <i>Chinese Physics B</i> , 2010, 19, 068701.	1.4	12
136	Whole-proteome based phylogenetic tree construction with inter-amino-acid distances and the conditional geometric distribution profiles. <i>Molecular Phylogenetics and Evolution</i> , 2015, 89, 37-45.	2.7	12
137	A fast numerical method for two-dimensional Riesz space fractional diffusion equations on a convex bounded region. <i>Applied Numerical Mathematics</i> , 2018, 134, 66-80.	2.1	12
138	Long- and short-term time series forecasting of air quality by a multi-scale framework. <i>Environmental Pollution</i> , 2021, 271, 116381.	7.5	12
139	Nonlinear least squares and maximum likelihood estimation of a heteroscedastic regression model. <i>Stochastic Processes and Their Applications</i> , 1988, 29, 317-333.	0.9	11
140	Spectral Properties of Burgers and KPZ Turbulence. <i>Journal of Statistical Physics</i> , 2006, 122, 949-974.	1.2	11
141	Cluster protein structures using recurrence quantification analysis on coordinates of alpha-carbon atoms of proteins. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2007, 368, 314-319.	2.1	11
142	Macroscaling Limit Theorems for Filtered Spatiotemporal Random Fields. <i>Stochastic Analysis and Applications</i> , 2013, 31, 460-508.	1.5	11
143	Fractional-In-Time and Multifractional-In-Space Stochastic Partial Differential Equations. <i>Fractional Calculus and Applied Analysis</i> , 2016, 19, 1434-1459.	2.2	11
144	A finite volume method for the two-dimensional time and space variable-order fractional Bloch-Torrey equation with variable coefficients on irregular domains. <i>Computers and Mathematics With Applications</i> , 2021, 98, 81-98.	2.7	11

#	ARTICLE	IF	CITATIONS
145	Long-range dependence and second-order intermittency of two dimensional turbulence. Environmental Modelling and Software, 1998, 13, 233-238.	4.5	10
146	The Riesz-Bessel Fractional Diffusion Equation. Applied Mathematics and Optimization, 2004, 49, 241-264.	1.6	10
147	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
148	Multifractal scaling of products of birth-death processes. Bernoulli, 2009, 15, .	1.3	10
149	Q -Fractional Brownian Motion in Infinite Dimensions with Application to Fractional Black-Scholes Market. Stochastic Analysis and Applications, 2009, 27, 149-175.	1.5	10
150	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
151	Multifractal temporally weighted detrended cross-correlation analysis of multivariate time series. Chaos, 2020, 30, 023134.	2.5	10
152	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
153	Implicit difference approximation of the Galilei invariant fractional advection diffusion equation. ANZIAM Journal, 0, 48, 775.	0.0	10
154	On rate of convergence in non-central limit theorems. Bernoulli, 2019, 25, .	1.3	10
155	A splitting method for stochastic goursat problem. Stochastic Analysis and Applications, 1999, 17, 315-326.	1.5	9
156	Covariance factorisation and abstract representation of generalised random fields. Bulletin of the Australian Mathematical Society, 2000, 62, 319-334.	0.5	9
157	Iterated Function System and Multifractal Analysis of Biological Sequences. International Journal of Modern Physics B, 2003, 17, 4367-4375.	2.0	9
158	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
159	Correlations between designability and various structural characteristics of protein lattice models. Journal of Chemical Physics, 2007, 126, 195101.	3.0	9
160	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
161	Laplacian normalization and bi-random walks on heterogeneous networks for predicting lncRNA-disease associations. BMC Systems Biology, 2018, 12, 122.	3.0	9
162	Phylogenetic Analysis of HIV-1 Genomes Based on the Position-Weighted K-mers Method. Entropy, 2020, 22, 255.	2.2	9

#	ARTICLE	IF	CITATIONS
163	Radii of starlikeness and convexity for certain classes of analytic functions. <i>Journal of Mathematical Analysis and Applications</i> , 1978, 64, 146-158.	1.0	8
164	K-Fold symmetric starlike univalent functions. <i>Bulletin of the Australian Mathematical Society</i> , 1985, 32, 419-436.	0.5	8
165	Spatial variability of sydney air quality by cumulative semivariogram. <i>Atmospheric Environment</i> , 1997, 31, 4073-4080.	4.1	8
166	A reactive state-space model for prediction of urban air pollution. <i>Environmental Modelling and Software</i> , 1998, 13, 239-246.	4.5	8
167	Distinguish Coding And Noncoding Sequences In A Complete Genome Using Fourier Transform. , 2007, , .		8
168	Underlying scaling relationships between solar activity and geomagnetic activity revealed by multifractal analyses. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 7577-7586.	2.4	8
169	Identification of pre-microRNAs by characterizing their sequence order evolution information and secondary structure graphs. <i>BMC Bioinformatics</i> , 2018, 19, 521.	2.6	8
170	No-cointegration test based on fractional differencing: Some Monte Carlo results. <i>Journal of Statistical Planning and Inference</i> , 1999, 80, 257-267.	0.6	7
171	A central limit theorem for a random quadratic form of strictly stationary processes. <i>Statistics and Probability Letters</i> , 2000, 49, 69-79.	0.7	7
172	Maximum likelihood estimation of the fractional differencing parameter in an ARFIMA model using wavelets. <i>Mathematics and Computers in Simulation</i> , 2002, 59, 153-161.	4.4	7
173	Spatial and Spatiotemporal Karhunen-Loève-Type Representations on Fractal Domains. <i>Stochastic Analysis and Applications</i> , 2006, 24, 195-219.	1.5	7
174	Numerical Simulation of the Nonlinear Fractional Dynamical Systems with Fractional Damping for the Extensible and Inextensible Pendulum. <i>Journal of Algorithms and Computational Technology</i> , 2007, 1, 427-447.	0.7	7
175	Simulation of multifractal products of Ornstein-Uhlenbeck type processes. <i>Nonlinearity</i> , 2010, 23, 823-843.	1.4	7
176	A new approach to spatial data interpolation using higher-order statistics. <i>Stochastic Environmental Research and Risk Assessment</i> , 2015, 29, 1679-1690.	4.0	7
177	Whole genome/proteome based phylogeny reconstruction for prokaryotes using higher order Markov model and chaos game representation. <i>Molecular Phylogenetics and Evolution</i> , 2016, 96, 102-111.	2.7	7
178	Multifractal analysis for core-periphery structure of complex networks. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2019, 2019, 073405.	2.3	7
179	A fractional alternating-direction implicit method for a multi-term time-space fractional Bloch-Torrey equations in three dimensions. <i>Computers and Mathematics With Applications</i> , 2019, 78, 1261-1273.	2.7	7
180	Numerical approximation of 2D multi-term time and space fractional Bloch-Torrey equations involving the fractional Laplacian. <i>Journal of Computational and Applied Mathematics</i> , 2021, 393, 113519.	2.0	7

#	ARTICLE	IF	CITATIONS
181	Stochastic models for characterisation and prediction of time series with long-range dependence and fractality. <i>Environmental Modelling and Software</i> , 1997, 12, 67-73.	4.5	6
182	Statistical inference using higher-order information. <i>Journal of Multivariate Analysis</i> , 2007, 98, 706-742.	1.0	6
183	Multifractional Markov Processes in Heterogeneous Domains. <i>Stochastic Analysis and Applications</i> , 2010, 29, 15-47.	1.5	6
184	Multi-term time fractional diffusion equations and novel parameter estimation techniques for chloride ions sub-diffusion in reinforced concrete. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2020, 378, 20190538.	3.4	6
185	Heterogeneous Types of miRNA-Disease Associations Stratified by Multi-Layer Network Embedding and Prediction. <i>Biomedicines</i> , 2021, 9, 1152.	3.2	6
186	Stochastic representation of fractional Bessel-Riesz motion. <i>Chaos, Solitons and Fractals</i> , 2017, 102, 135-139.	5.1	6
187	Local Linear Kernel Regression with Long-Range Dependent Errors. <i>Australian and New Zealand Journal of Statistics</i> , 1999, 41, 463-479.	0.9	5
188	Prediction of Fractional Brownian Motion-Type Processes. <i>Stochastic Analysis and Applications</i> , 2007, 25, 641-666.	1.5	5
189	Protein Structure Classification Based on Chaos Game Representation and Multifractal Analysis. , 2008, , .		5
190	An Approximate Solution for the Rayleigh-Stokes Problem for a Heated Generalized Second Grade Fluid with Fractional Derivative Model Using the Adomian Decomposition Method. <i>Journal of Algorithms and Computational Technology</i> , 2009, 3, 553-572.	0.7	5
191	Evaluation of bias in higher-order spectral estimation. <i>Theory of Probability and Mathematical Statistics</i> , 2010, 80, 1-1.	0.5	5
192	Protein Folding Kinetic Order Prediction from Amino Acid Sequence Based on Horizontal Visibility Network. <i>Current Bioinformatics</i> , 2016, 11, 173-185.	1.5	5
193	Covariance function and ergodicity of asymptotically stationary random fields. <i>Bulletin of the Australian Mathematical Society</i> , 1991, 44, 49-62.	0.5	4
194	Analysing the Similarity of Proteins Based on a New Approach to Empirical Mode Decomposition. <i>International Conference on Bioinformatics and Biomedical Engineering: [proceedings] International Conference on Bioinformatics and Biomedical Engineering</i> , 2010, , .	0.0	4
195	Heterogeneous Spatial Dynamical Regression in a Hilbert-Valued Context. <i>Stochastic Analysis and Applications</i> , 2013, 31, 509-527.	1.5	4
196	An investigation of radial basis functions for fractional derivatives and their applications. <i>Computational Mechanics</i> , 2020, 65, 475-486.	4.0	4
197	A vertex-centred finite volume method for the 3D multi-term time and space fractional Blochâ€“Torrey equation with fractional Laplacian. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2022, 114, 106666.	3.3	4
198	Meromorphic starlike univalent functions. <i>Bulletin of the Australian Mathematical Society</i> , 1984, 30, 395-410.	0.5	3

#	ARTICLE	IF	CITATIONS
199	Starlike functions with a fixed coefficient. Bulletin of the Australian Mathematical Society, 1989, 39, 145-158.	0.5	3
200	Estimation of Spectral Densities with Multiplicative Parameter. Acta Applicandae Mathematicae, 2003, 79, 115-128.	1.0	3
201	Fractal tidal waves in coastal aquifers induced both anthropogenically and naturally. Environmental Modelling and Software, 2004, 19, 1125-1130.	4.5	3
202	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
203	Secondary Structure Element Alignment Kernel Method for Prediction of Protein Structural Classes. Current Bioinformatics, 2014, 9, 253-257.	1.5	3
204	Matrix transfer technique for anomalous diffusion equation involving fractional Laplacian. Applied Numerical Mathematics, 2022, 172, 242-258.	2.1	3
205	Hausdorff dimension of random fractals with overlaps. Bulletin of the Australian Mathematical Society, 2002, 65, 315-328.	0.5	2
206	Binary market models with memory. Statistics and Probability Letters, 2007, 77, 256-264.	0.7	2
207	Chaos Game Representation of Genomes and their Simulation by Recurrent Iterated Function Systems. , 2008, , .		2
208	Distinguishing Coding from Non-coding Sequences in a Prokaryote Complete Genome Based on the Global Descriptor. , 2009, , .		2
209	Fuzzy C-means method with empirical mode decomposition for clustering microarray data. , 2010, , .		2
210	Prediction of fractional processes with long-range dependence. Hokkaido Mathematical Journal, 2012, 41, .	0.3	2
211	Wavelet-Based Estimation of Anisotropic Spatiotemporal Long-Range Dependence. Stochastic Analysis and Applications, 2013, 31, 359-380.	1.5	2
212	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
213	On LSE in regression model for long-range dependent random fields on spheres. Statistics, 2019, 53, 1131-1151.	0.6	2
214	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
215	Fractional-order systems, numerical techniques, and applications. , 2022, , 179-256.		2
216	Riemann Function Approach to Unbiased Filtering and Prediction. Journal of Mathematical Analysis and Applications, 1995, 192, 96-116.	1.0	1

#	ARTICLE	IF	CITATIONS
217	Strong convergence of stochastic Taylor expansions of two-parameter random fields. <i>Stochastic Analysis and Applications</i> , 1997, 15, 137-149.	1.5	1
218	Non-central limit theorems and convergence rates. <i>Theory of Probability and Mathematical Statistics</i> , 2018, 95, 3-15.	0.5	1
219	Novel numerical techniques for the finite moment log stable computational model for European call option. <i>Numerical Methods for Partial Differential Equations</i> , 2020, 36, 1537-1554.	3.6	1
220	An Information-Entropy Position-Weighted K-Mer Relative Measure for Whole Genome Phylogeny Reconstruction. <i>Frontiers in Genetics</i> , 2021, 12, 766496.	2.3	1
221	Fractal and Dynamical Language Methods to Construct Phylogenetic Tree Based on Protein Sequences from Complete Genomes. <i>Lecture Notes in Computer Science</i> , 2005, , 337-347.	1.3	1
222	Nonlinear filtering of a system of logistic equations. <i>Bulletin of the Australian Mathematical Society</i> , 1997, 55, 219-238.	0.5	0
223	Application of Hilbert-Space Methods to Random Field Modelling and Estimation. <i>American Journal of Mathematical and Management Sciences</i> , 2001, 21, 263-282.	0.9	0
224	Protein Structure Classification Using Local Holder Exponents Estimated by Wavelet Transform. , 2008, , .		0
225	Numerical treatment of a two-dimensional variable-order fractional nonlinear reaction-diffusion model. , 2014, , .		0
226	A novel genome signature based on inter-nucleotide distances profiles for visualization of metagenomic data. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 482, 87-94.	2.6	0
227	Statistical estimation of nonstationary Gaussian processes with long-range dependence and intermittency. , 2010, , 438-463.		0
228	Chaos Game Representation of Mitochondrial Genomes. <i>Advances in Bioinformatics and Biomedical Engineering Book Series</i> , 0, , 28-38.	0.4	0
229	Fractional-order systems, numerical techniques, and applications. , 2022, , 107-178.		0