

# Fawang Liu

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/7676348/fawang-liu-publications-by-year.pdf>

**Version:** 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

262  
papers

11,786  
citations

56  
h-index

98  
g-index

280  
ext. papers

13,081  
ext. citations

2.7  
avg, IF

6.89  
L-index

#	Paper	IF	Citations
262	Fractional-order systems, numerical techniques, and applications <b>2022</b> , 179-256		1
261	Fractional-order systems, numerical techniques, and applications: Finite difference methods for multiterm fractional dynamic systems and applications <b>2022</b> , 107-178		
260	Matrix transfer technique for anomalous diffusion equation involving fractional Laplacian. <i>Applied Numerical Mathematics</i> , <b>2022</b> , 172, 242-258	2.5	1
259	Spectral method for the two-dimensional time distributed-order diffusion-wave equation on a semi-infinite domain. <i>Journal of Computational and Applied Mathematics</i> , <b>2022</b> , 399, 113712	2.4	4
258	An alternating direction implicit legendre spectral method for simulating a 2D multi-term time-fractional Oldroyd-B fluid type diffusion equation. <i>Computers and Mathematics With Applications</i> , <b>2022</b> , 113, 160-173	2.7	1
257	The application of the distributed-order time fractional Bloch model to magnetic resonance imaging. <i>Applied Mathematics and Computation</i> , <b>2022</b> , 427, 127188	2.7	2
256	A novel finite volume method for the nonlinear two-sided space distributed-order diffusion equation with variable coefficients. <i>Journal of Computational and Applied Mathematics</i> , <b>2021</b> , 388, 113337 <sup>2,4</sup>		5
255	Flow and heat transfer of viscoelastic fluid with a novel space distributed-order constitution relationship. <i>Computers and Mathematics With Applications</i> , <b>2021</b> , 94, 94-103	2.7	2
254	A space-time spectral method for time-fractional Black-Scholes equation. <i>Applied Numerical Mathematics</i> , <b>2021</b> , 165, 152-166	2.5	1
253	A novel alternating-direction implicit spectral Galerkin method for a multi-term time-space fractional diffusion equation in three dimensions. <i>Numerical Algorithms</i> , <b>2021</b> , 86, 1443-1474	2.1	5
252	On the process of filtration of fractional viscoelastic liquid food. <i>Communications in Theoretical Physics</i> , <b>2021</b> , 73, 045004	2.4	1
251	Radial point interpolation collocation method based approximation for 2D fractional equation models. <i>Computers and Mathematics With Applications</i> , <b>2021</b> , 97, 153-161	2.7	
250	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> , <b>2021</b> , 393, 113519 <sup>2,4</sup>		1
249	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> , <b>2021</b> , 98, 81-98	2.7	1
248	Review of fractional epidemic models. <i>Applied Mathematical Modelling</i> , <b>2021</b> , 97, 281-307	4.5	10
247	A space-time finite element method for solving linear Riesz space fractional partial differential equations. <i>Numerical Algorithms</i> , <b>2021</b> , 88, 499-520	2.1	3
246	Error analysis of nonlinear time fractional mobile/immobile advection-diffusion equation with weakly singular solutions. <i>Fractional Calculus and Applied Analysis</i> , <b>2021</b> , 24, 202-224	2.7	4

245	Efficient numerical methods for the nonlinear two-sided space-fractional diffusion equation with variable coefficients. <i>Applied Numerical Mathematics</i> , <b>2020</b> , 157, 55-68	2.5	4
244	A novel finite element method for the distributed-order time fractional Cable equation in two dimensions. <i>Computers and Mathematics With Applications</i> , <b>2020</b> , 80, 923-939	2.7	5
243	Novel numerical techniques for the finite moment log stable computational model for European call option. <i>Numerical Methods for Partial Differential Equations</i> , <b>2020</b> , 36, 1537-1554	2.5	
242	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> , <b>2020</b> , 378, 20190538	3	4
241	Flow and heat transfer of generalized Maxwell fluid over a moving plate with distributed order time fractional constitutive models. <i>International Communications in Heat and Mass Transfer</i> , <b>2020</b> , 116, 104679	5.8	19
240	An unstructured mesh finite difference/finite element method for the three-dimensional time-space fractional Bloch-Torrey equations on irregular domains. <i>Journal of Computational Physics</i> , <b>2020</b> , 408, 109284	4.1	12
239	A Legendre spectral method on graded meshes for the two-dimensional multi-term time-fractional diffusion equation with non-smooth solutions. <i>Applied Mathematics Letters</i> , <b>2020</b> , 104, 106247	3.5	8
238	A Galerkin finite element method for the modified distributed-order anomalous sub-diffusion equation. <i>Journal of Computational and Applied Mathematics</i> , <b>2020</b> , 368, 112589	2.4	4
237	An investigation of radial basis functions for fractional derivatives and their applications. <i>Computational Mechanics</i> , <b>2020</b> , 65, 475-486	4	2
236	Flow and heat transfer of double fractional Maxwell fluids over a stretching sheet with variable thickness. <i>Applied Mathematical Modelling</i> , <b>2020</b> , 80, 204-216	4.5	22
235	Boundary layer flows of viscoelastic fluids over a non-uniform permeable surface. <i>Computers and Mathematics With Applications</i> , <b>2020</b> , 79, 2376-2387	2.7	7
234	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> , <b>2020</b> , 80, 3173-3192	2.7	3
233	Finite difference/spectral methods for the two-dimensional distributed-order time-fractional cable equation. <i>Computers and Mathematics With Applications</i> , <b>2020</b> , 80, 1523-1537	2.7	5
232	The global analysis on the spectral collocation method for time fractional Schrödinger equation. <i>Applied Mathematics and Computation</i> , <b>2020</b> , 365, 124689	2.7	5
231	An unstructured mesh control volume method for two-dimensional space fractional diffusion equations with variable coefficients on convex domains. <i>Journal of Computational and Applied Mathematics</i> , <b>2020</b> , 364, 112319	2.4	12
230	Novel parameter estimation techniques for a multi-term fractional dynamical epidemic model of dengue fever. <i>Numerical Algorithms</i> , <b>2019</b> , 82, 1467-1495	2.1	4
229	Analytical and numerical solutions of a two-dimensional multi-term time-fractional Oldroyd-B model. <i>Numerical Methods for Partial Differential Equations</i> , <b>2019</b> , 35, 875-893	2.5	5
228	Anomalous diffusion in rotating Casson fluid through a porous medium. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2019</b> , 528, 121431	3.3	6

227	Effects of fractional mass transfer and chemical reaction on MHD flow in a heterogeneous porous medium. <i>Computers and Mathematics With Applications</i> , <b>2019</b> , 78, 2618-2631	2.7	5
226	An unstructured mesh finite element method for solving the multi-term time fractional and Riesz space distributed-order wave equation on an irregular convex domain. <i>Applied Mathematical Modelling</i> , <b>2019</b> , 73, 615-636	4.5	17
225	Analytical and numerical solutions of a multi-term time-fractional Burgers fluid model. <i>Applied Mathematics and Computation</i> , <b>2019</b> , 356, 1-12	2.7	6
224	Unsteady boundary layer flow of viscoelastic MHD fluid with a double fractional Maxwell model. <i>Applied Mathematics Letters</i> , <b>2019</b> , 95, 143-149	3.5	29
223	A new time and spatial fractional heat conduction model for Maxwell nanofluid in porous medium. <i>Computers and Mathematics With Applications</i> , <b>2019</b> , 78, 1621-1636	2.7	13
222	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> , <b>2019</b> , 78, 1637-1650	2.7	59
221	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> , <b>2019</b> , 345, 515-534	2.4	25
220	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> , <b>2019</b> , 352, 437-452	2.4	20
219	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> , <b>2019</b> , 78, 1261-1273	2.7	6
218	An alternating direction implicit spectral method for solving two dimensional multi-term time fractional mixed diffusion and diffusion-wave equations. <i>Applied Numerical Mathematics</i> , <b>2019</b> , 136, 139-151	2.5	22
217	Finite difference/finite element method for a novel 2D multi-term time-fractional mixed sub-diffusion and diffusion-wave equation on convex domains. <i>Communications in Nonlinear Science and Numerical Simulation</i> , <b>2019</b> , 70, 354-371	3.7	40
216	Some second-order schemes combined with finite element method for nonlinear fractional cable equation. <i>Numerical Algorithms</i> , <b>2019</b> , 80, 533-555	2.1	46
215	Fully discrete spectral methods for solving time fractional nonlinear Sine-Gordon equation with smooth and non-smooth solutions. <i>Applied Mathematics and Computation</i> , <b>2018</b> , 333, 213-224	2.7	9
214	Unstructured mesh finite difference/finite element method for the 2D time-space Riesz fractional diffusion equation on irregular convex domains. <i>Applied Mathematical Modelling</i> , <b>2018</b> , 59, 441-463	4.5	42
213	Time-fractional diffusion equation for signal smoothing. <i>Applied Mathematics and Computation</i> , <b>2018</b> , 326, 108-116	2.7	41
212	Time fractional super-diffusion model and its application in peak-preserving smoothing. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2018</b> , 175, 13-19	3.8	9
211	Numerical Investigation of a Two-Phase Nanofluid Model for Boundary Layer Flow Past a Variable Thickness Sheet. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , <b>2018</b> , 73, 229-237 <sup>1.4</sup>		
210	Fractional anomalous convection diffusion in comb structure with a non-Fick constitutive model. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , <b>2018</b> , 2018, 013208	1.9	1

209	Numerical inversion of the fractional derivative index and surface thermal flux for an anomalous heat conduction model in a multi-layer medium. <i>Applied Mathematical Modelling</i> , <b>2018</b> , 59, 514-526	4.5	7
208	Time two-mesh algorithm combined with finite element method for time fractional water wave model. <i>International Journal of Heat and Mass Transfer</i> , <b>2018</b> , 120, 1132-1145	4.9	29
207	Differential quadrature method for space-fractional diffusion equations on 2D irregular domains. <i>Numerical Algorithms</i> , <b>2018</b> , 79, 853-877	2.1	6
206	Some novel numerical techniques for an inverse problem of the multi-term time fractional partial differential equation. <i>Journal of Computational and Applied Mathematics</i> , <b>2018</b> , 336, 114-126	2.4	16
205	Unsteady MHD flow and heat transfer of fractional Maxwell viscoelastic nanofluid with Cattaneo heat flux and different particle shapes. <i>Chinese Journal of Physics</i> , <b>2018</b> , 56, 1199-1211	3.5	49
204	The Unstructured Mesh Finite Element Method for the Two-Dimensional Multi-term TimeSpace Fractional Diffusion-Wave Equation on an Irregular Convex Domain. <i>Journal of Scientific Computing</i> , <b>2018</b> , 77, 27-52	2.3	26
203	A novel approach of high accuracy analysis of anisotropic bilinear finite element for time-fractional diffusion equations with variable coefficient. <i>Computers and Mathematics With Applications</i> , <b>2018</b> , 75, 3786-3800	2.7	9
202	A numerical method for solving the two-dimensional distributed order space-fractional diffusion equation on an irregular convex domain. <i>Applied Mathematics Letters</i> , <b>2018</b> , 77, 114-121	3.5	49
201	A 2D multi-term time and space fractional Bloch-Torrey model based on bilinear rectangular finite elements. <i>Communications in Nonlinear Science and Numerical Simulation</i> , <b>2018</b> , 56, 270-286	3.7	24
200	Modelling anomalous diffusion using fractional Bloch-Torrey equations on approximate irregular domains. <i>Computers and Mathematics With Applications</i> , <b>2018</b> , 75, 7-21	2.7	15
199	A spatial-fractional thermal transport model for nanofluid in porous media. <i>Applied Mathematical Modelling</i> , <b>2018</b> , 53, 622-634	4.5	27
198	Research on macroscopic and microscopic heat transfer mechanisms based on non-Fourier constitutive model. <i>International Journal of Heat and Mass Transfer</i> , <b>2018</b> , 127, 165-172	4.9	11
197	Fractional Boundary Layer Flow and Heat Transfer Over a Stretching Sheet With Variable Thickness. <i>Journal of Heat Transfer</i> , <b>2018</b> , 140,	1.8	6
196	Nonconforming quasi-Wilson finite element method for 2D multi-term time fractional diffusion-wave equation on regular and anisotropic meshes. <i>Applied Mathematics and Computation</i> , <b>2018</b> , 338, 290-304	2.7	7
195	A fast numerical method for two-dimensional Riesz space fractional diffusion equations on a convex bounded region. <i>Applied Numerical Mathematics</i> , <b>2018</b> , 134, 66-80	2.5	11
194	Fast numerical simulation of a new time-space fractional option pricing model governing European call option. <i>Applied Mathematics and Computation</i> , <b>2018</b> , 339, 186-198	2.7	8
193	Anomalous diffusion in comb model with fractional dual-phase-lag constitutive relation. <i>Computers and Mathematics With Applications</i> , <b>2018</b> , 76, 245-256	2.7	4
192	A renovated Buongiorno model for unsteady Sisko nanofluid with fractional Cattaneo heat flux. <i>International Journal of Heat and Mass Transfer</i> , <b>2018</b> , 126, 277-286	4.9	14

191	Novel analytical and numerical techniques for fractional temporal SEIR measles model. <i>Numerical Algorithms</i> , <b>2018</b> , 79, 19-40	2.1	5
190	Boundary layer flow of fractional Maxwell fluid over a stretching sheet with variable thickness. <i>Applied Mathematics Letters</i> , <b>2018</b> , 79, 92-99	3.5	30
189	A stochastic model for thermal transport of nanofluid in porous media: Derivation and applications. <i>Computers and Mathematics With Applications</i> , <b>2018</b> , 75, 1226-1236	2.7	5
188	Analytical and numerical solutions of the unsteady 2D flow of MHD fractional Maxwell fluid induced by variable pressure gradient. <i>Computers and Mathematics With Applications</i> , <b>2018</b> , 75, 965-980	2.7	22
187	Novel numerical analysis of multi-term time fractional viscoelastic non-newtonian fluid models for simulating unsteady MHD Couette flow of a generalized Oldroyd-B fluid. <i>Fractional Calculus and Applied Analysis</i> , <b>2018</b> , 21, 1073-1103	2.7	41
186	Reproducing kernel particle method for two-dimensional time-space fractional diffusion equations in irregular domains. <i>Engineering Analysis With Boundary Elements</i> , <b>2018</b> , 97, 131-143	2.6	20
185	A Crank-Nicolson ADI Galerkin-Legendre spectral method for the two-dimensional Riesz space distributed-order advection-diffusion equation. <i>Computers and Mathematics With Applications</i> , <b>2018</b> , 76, 2460-2476	2.7	34
184	Comb model for the anomalous diffusion with dual-phase-lag constitutive relation. <i>Communications in Nonlinear Science and Numerical Simulation</i> , <b>2018</b> , 63, 135-144	3.7	7
183	Convergence and superconvergence of a fully-discrete scheme for multi-term time fractional diffusion equations. <i>Computers and Mathematics With Applications</i> , <b>2017</b> , 73, 1087-1099	2.7	30
182	A fast second-order accurate method for a two-sided space-fractional diffusion equation with variable coefficients. <i>Computers and Mathematics With Applications</i> , <b>2017</b> , 73, 1155-1171	2.7	26
181	Characterization of anomalous relaxation using the time-fractional Bloch equation and multiple echo T <sup>*</sup> -weighted magnetic resonance imaging at 7 T. <i>Magnetic Resonance in Medicine</i> , <b>2017</b> , 77, 1485-1494	4.4	22
180	Multi-term time-fractional Bloch equations and application in magnetic resonance imaging. <i>Journal of Computational and Applied Mathematics</i> , <b>2017</b> , 319, 308-319	2.4	31
179	A novel finite volume method for the Riesz space distributed-order advection-diffusion equation. <i>Applied Mathematical Modelling</i> , <b>2017</b> , 46, 536-553	4.5	60
178	Exact solution and invariant for fractional Cattaneo anomalous diffusion of cells in two-dimensional comb framework. <i>Nonlinear Dynamics</i> , <b>2017</b> , 89, 213-224	5	9
177	Unsteady Marangoni convection heat transfer of fractional Maxwell fluid with Cattaneo heat flux. <i>Applied Mathematical Modelling</i> , <b>2017</b> , 44, 497-507	4.5	25
176	Numerical solution of the time fractional reaction-diffusion equation with a moving boundary. <i>Journal of Computational Physics</i> , <b>2017</b> , 338, 493-510	4.1	23
175	Unsteady Natural Convection Heat Transfer Past a Vertical Flat Plate Embedded in a Porous Medium Saturated With Fractional Oldroyd-B Fluid. <i>Journal of Heat Transfer</i> , <b>2017</b> , 139,	1.8	21
174	Temporal anomalous diffusion and drift of particles in a comb backbone with fractional Cattaneo-Christov flux. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , <b>2017</b> , 2017, 043208	1.9	3



173	Heat conduction with fractional Cattaneo-Christov upper-convective derivative flux model. <i>International Journal of Thermal Sciences</i> , <b>2017</b> , 112, 421-426	4.1	41
172	A novel unstructured mesh finite element method for solving the time-space fractional wave equation on a two-dimensional irregular convex domain. <i>Fractional Calculus and Applied Analysis</i> , <b>2017</b> , 20, 352-383	2.7	58
171	A novel finite volume method for the Riesz space distributed-order diffusion equation. <i>Computers and Mathematics With Applications</i> , <b>2017</b> , 74, 772-783	2.7	55
170	Time fractional Cattaneo-Christov anomalous diffusion in comb frame with finite length of fingers. <i>Journal of Molecular Liquids</i> , <b>2017</b> , 233, 326-333	6	8
169	Unsteady flow of viscoelastic fluid with the fractional K-BKZ model between two parallel plates. <i>Applied Mathematical Modelling</i> , <b>2017</b> , 47, 114-127	4.5	20
168	Finite element method for nonlinear Riesz space fractional diffusion equations on irregular domains. <i>Journal of Computational Physics</i> , <b>2017</b> , 330, 863-883	4.1	52
167	Numerical methods and analysis for simulating the flow of a generalized Oldroyd-B fluid between two infinite parallel rigid plates. <i>International Journal of Heat and Mass Transfer</i> , <b>2017</b> , 115, 1309-1320	4.9	35
166	High accuracy analysis of anH1-Galerkin mixed finite element method for two-dimensional time fractional diffusion equations. <i>Computers and Mathematics With Applications</i> , <b>2017</b> , 74, 1903-1914	2.7	13
165	Symmetry analysis and conservation laws to the space-fractional Prandtl equation. <i>Nonlinear Dynamics</i> , <b>2017</b> , 90, 1343-1351	5	4
164	Numerical methods for the two-dimensional multi-term time-fractional diffusion equations. <i>Computers and Mathematics With Applications</i> , <b>2017</b> , 74, 2253-2268	2.7	12
163	Numerical analysis of fractional MHD Maxwell fluid with the effects of convection heat transfer condition and viscous dissipation. <i>AIP Advances</i> , <b>2017</b> , 7, 125309	1.5	13
162	Numerical simulation of a Finite Moment Log Stable model for a European call option. <i>Numerical Algorithms</i> , <b>2017</b> , 75, 569-585	2.1	6
161	MIXED CONVECTION HEAT TRANSFER OF VISCOELASTIC FLUID ALONG AN INCLINED PLATE OBEYING THE FRACTIONAL CONSTITUTIVE LAWS. <i>Heat Transfer Research</i> , <b>2017</b> , 48, 1165-1178	3.9	5
160	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> , <b>2016</b> , 72, 2084-2097	2.7	36
159	Flow and heat transfer of power-law fluid over a rotating disk with generalized diffusion. <i>International Communications in Heat and Mass Transfer</i> , <b>2016</b> , 79, 81-88	5.8	18
158	Modeling heat transport in nanofluids with stagnation point flow using fractional calculus. <i>Applied Mathematical Modelling</i> , <b>2016</b> , 40, 8974-8984	4.5	28
157	Lie group analysis and similarity solution for fractional Blasius flow. <i>Communications in Nonlinear Science and Numerical Simulation</i> , <b>2016</b> , 37, 90-101	3.7	11
156	Superconvergence analysis of nonconforming finite element method for two-dimensional time fractional diffusion equations. <i>Applied Mathematics Letters</i> , <b>2016</b> , 59, 38-47	3.5	34

155	The numerical simulation of the tempered fractional Black-Scholes equation for European double barrier option. <i>Applied Mathematical Modelling</i> , <b>2016</b> , 40, 5819-5834	4.5	47
154	Fast Finite Difference Approximation for Identifying Parameters in a Two-dimensional Space-fractional Nonlocal Model with Variable Diffusivity Coefficients. <i>SIAM Journal on Numerical Analysis</i> , <b>2016</b> , 54, 606-624	2.4	42
153	A high-order spectral method for the multi-term time-fractional diffusion equations. <i>Applied Mathematical Modelling</i> , <b>2016</b> , 40, 4970-4985	4.5	97
152	An implicit numerical method of a new time distributed-order and two-sided space-fractional advection-dispersion equation. <i>Numerical Algorithms</i> , <b>2016</b> , 72, 393-407	2.1	25
151	Galerkin finite element method and error analysis for the fractional cable equation. <i>Numerical Algorithms</i> , <b>2016</b> , 72, 447-466	2.1	39
150	Finite element method for space-time fractional diffusion equation. <i>Numerical Algorithms</i> , <b>2016</b> , 72, 749-767	4.6	46
149	Anomalous convection diffusion and wave coupling transport of cells on comb frame with fractional Cattaneo-Christov flux. <i>Communications in Nonlinear Science and Numerical Simulation</i> , <b>2016</b> , 38, 45-58	3.7	49
148	Numerical solution of the time fractional Black-Scholes model governing European options. <i>Computers and Mathematics With Applications</i> , <b>2016</b> , 71, 1772-1783	2.7	55
147	Analytical solution and nonconforming finite element approximation for the 2D multi-term fractional subdiffusion equation. <i>Applied Mathematical Modelling</i> , <b>2016</b> , 40, 8810-8825	4.5	26
146	An advanced numerical modeling for Riesz space fractional advection-dispersion equations by a meshfree approach. <i>Applied Mathematical Modelling</i> , <b>2016</b> , 40, 7816-7829	4.5	21
145	Unsteady natural convection boundary layer heat transfer of fractional Maxwell viscoelastic fluid over a vertical plate. <i>International Journal of Heat and Mass Transfer</i> , <b>2016</b> , 97, 760-766	4.9	78
144	An improved heat conduction model with Riesz fractional Cattaneo-Christov flux. <i>International Journal of Heat and Mass Transfer</i> , <b>2016</b> , 103, 1191-1197	4.9	32
143	Convection heat and mass transfer of fractional MHD Maxwell fluid in a porous medium with Soret and Dufour effects. <i>International Journal of Heat and Mass Transfer</i> , <b>2016</b> , 103, 203-210	4.9	63
142	MHD flow and heat transfer of fractional Maxwell viscoelastic nanofluid over a moving plate. <i>Journal of Molecular Liquids</i> , <b>2016</b> , 222, 1121-1127	6	47
141	A center Box method for radially symmetric solution of fractional subdiffusion equation. <i>Applied Mathematics and Computation</i> , <b>2015</b> , 257, 467-486	2.7	7
140	Compact difference scheme for distributed-order time-fractional diffusion-wave equation on bounded domains. <i>Journal of Computational Physics</i> , <b>2015</b> , 298, 652-660	4.1	84
139	A Novel High Order Space-Time Spectral Method for the Time Fractional Fokker-Planck Equation. <i>SIAM Journal of Scientific Computing</i> , <b>2015</b> , 37, A701-A724	2.6	126
138	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> , <b>2015</b> , 293, 252-263	4.1	101



137	High order unconditionally stable difference schemes for the Riesz space-fractional telegraph equation. <i>Journal of Computational and Applied Mathematics</i> , <b>2015</b> , 278, 119-129	2.4	30
136	Numerical analysis for the time distributed-order and Riesz space fractional diffusions on bounded domains. <i>IMA Journal of Applied Mathematics</i> , <b>2015</b> , 80, 825-838	1	56
135	Numerical simulation of anomalous infiltration in porous media. <i>Numerical Algorithms</i> , <b>2015</b> , 68, 443-454	2.1	17
134	A Variable Order Fractional Differential-Based Texture Enhancement Algorithm with Application in Medical Imaging. <i>PLoS ONE</i> , <b>2015</b> , 10, e0132952	3.7	21
133	Novel Second-Order Accurate Implicit Numerical Methods for the Riesz Space Distributed-Order Advection-Dispersion Equations. <i>Advances in Mathematical Physics</i> , <b>2015</b> , 2015, 1-14	1.1	41
132	A meshless method based on Point Interpolation Method (PIM) for the space fractional diffusion equation. <i>Applied Mathematics and Computation</i> , <b>2015</b> , 256, 930-938	2.7	44
131	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> , <b>2015</b> , 257, 591-601	2.7	46
130	Stability and convergence of a new finite volume method for a two-sided space-fractional diffusion equation. <i>Applied Mathematics and Computation</i> , <b>2015</b> , 257, 52-65	2.7	63
129	Numerical Algorithms for Time-Fractional Subdiffusion Equation with Second-Order Accuracy. <i>SIAM Journal of Scientific Computing</i> , <b>2015</b> , 37, A55-A78	2.6	142
128	A spatially second-order accurate implicit numerical method for the space and time fractional Bloch-Torrey equation. <i>Numerical Algorithms</i> , <b>2014</b> , 66, 911-932	2.1	31
127	Finite volume and finite element methods for solving a one-dimensional space-fractional Boussinesq equation. <i>Applied Mathematical Modelling</i> , <b>2014</b> , 38, 3860-3870	4.5	57
126	Numerical simulation of a new two-dimensional variable-order fractional percolation equation in non-homogeneous porous media. <i>Computers and Mathematics With Applications</i> , <b>2014</b> , 67, 1673-1681	2.7	23
125	Maximum principle and numerical method for the multi-term time-space Riesz-Caputo fractional differential equations. <i>Applied Mathematics and Computation</i> , <b>2014</b> , 227, 531-540	2.7	44
124	A new fractional finite volume method for solving the fractional diffusion equation. <i>Applied Mathematical Modelling</i> , <b>2014</b> , 38, 3871-3878	4.5	150
123	A Crank-Nicolson ADI Spectral Method for a Two-Dimensional Riesz Space Fractional Nonlinear Reaction-Diffusion Equation. <i>SIAM Journal on Numerical Analysis</i> , <b>2014</b> , 52, 2599-2622	2.4	240
122	Numerical analysis of a new space-time variable fractional order advection-dispersion equation. <i>Applied Mathematics and Computation</i> , <b>2014</b> , 242, 541-550	2.7	50
121	A novel numerical approximation for the space fractional advection-dispersion equation. <i>IMA Journal of Applied Mathematics</i> , <b>2014</b> , 79, 431-444	1	28
120	A RBF meshless approach for modeling a fractal mobile/immobile transport model. <i>Applied Mathematics and Computation</i> , <b>2014</b> , 226, 336-347	2.7	64

119	Stability and convergence of a finite volume method for the space fractional advection–dispersion equation. <i>Journal of Computational and Applied Mathematics</i> , <b>2014</b> , 255, 684-697	2.4	81
118	Numerical simulation of a new two-dimensional variable-order fractional percolation equation in non-homogeneous porous media. <i>Computers and Mathematics With Applications</i> , <b>2014</b> , 68, 2133-2141	2.7	34
117	Numerical simulation of the fractional Bloch equations. <i>Journal of Computational and Applied Mathematics</i> , <b>2014</b> , 255, 635-651	2.4	30
116	A finite volume scheme with preconditioned Lanczos method for two-dimensional space-fractional reaction–diffusion equations. <i>Applied Mathematical Modelling</i> , <b>2014</b> , 38, 3755-3762	4.5	53
115	Numerical simulation for the three-dimension fractional sub-diffusion equation. <i>Applied Mathematical Modelling</i> , <b>2014</b> , 38, 3695-3705	4.5	27
114	Numerical investigation of three types of space and time fractional Bloch-Torrey equations in 2D. <i>Open Physics</i> , <b>2013</b> , 11,	1.3	9
113	A characteristic difference method for the variable-order fractional advection-diffusion equation. <i>Journal of Applied Mathematics and Computing</i> , <b>2013</b> , 42, 371-386	1.8	42
112	Numerical simulation for two-dimensional Riesz space fractional diffusion equations with a nonlinear reaction term. <i>Open Physics</i> , <b>2013</b> , 11,	1.3	13
111	High-order explicit-implicit numerical methods for nonlinear anomalous diffusion equations. <i>European Physical Journal: Special Topics</i> , <b>2013</b> , 222, 1885-1900	2.3	10
110	Series expansion solutions for the multi-term time and space fractional partial differential equations in two- and three-dimensions. <i>European Physical Journal: Special Topics</i> , <b>2013</b> , 222, 1901-1914	2.3	14
109	A finite volume method for solving the two-sided time-space fractional advection-dispersion equation. <i>Open Physics</i> , <b>2013</b> , 11,	1.3	11
108	Stability and convergence of an implicit numerical method for the space and time fractional Bloch-Torrey equation. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2013</b> , 371, 20120150	3	26
107	NUMERICAL METHODS FOR SOLVING THE MULTI-TERM TIME-FRACTIONAL WAVE-DIFFUSION EQUATION. <i>Fractional Calculus and Applied Analysis</i> , <b>2013</b> , 16, 9-25	2.7	223
106	The Use of Finite Difference/Element Approaches for Solving the Time-Fractional Subdiffusion Equation. <i>SIAM Journal of Scientific Computing</i> , <b>2013</b> , 35, A2976-A3000	2.6	209
105	A novel numerical method for the time variable fractional order mobile–immobile advection–dispersion model. <i>Computers and Mathematics With Applications</i> , <b>2013</b> , 66, 693-701	2.7	124
104	An implicit numerical method for the two-dimensional fractional percolation equation. <i>Applied Mathematics and Computation</i> , <b>2013</b> , 219, 4322-4331	2.7	42
103	Numerical approximation for a variable-order nonlinear reaction–subdiffusion equation. <i>Numerical Algorithms</i> , <b>2013</b> , 63, 265-290	2.1	28
102	Numerical techniques for simulating a fractional mathematical model of epidermal wound healing. <i>Journal of Applied Mathematics and Computing</i> , <b>2013</b> , 41, 33-47	1.8	4

101	Some novel techniques of parameter estimation for dynamical models in biological systems. <i>IMA Journal of Applied Mathematics</i> , <b>2013</b> , 78, 235-260	1	22
100	Fractional Differential Equations 2012. <i>International Journal of Differential Equations</i> , <b>2013</b> , 2013, 1-2	0.8	9
99	Numerical methods of the variable-order Rayleigh-Stokes problem for a heated generalized second grade fluid with fractional derivative. <i>IMA Journal of Applied Mathematics</i> , <b>2013</b> , 78, 924-944	1	16
98	Analytical solutions for the multi-term time-space Caputo-Riesz fractional advection-diffusion equations on a finite domain. <i>Journal of Mathematical Analysis and Applications</i> , <b>2012</b> , 389, 1117-1127	1.1	132
97	Spectral approximations to the fractional integral and derivative. <i>Fractional Calculus and Applied Analysis</i> , <b>2012</b> , 15,	2.7	113
96	Numerical methods for solving a two-dimensional variable-order anomalous subdiffusion equation. <i>Mathematics of Computation</i> , <b>2012</b> , 81, 345-366	1.6	69
95	Numerical techniques for the variable order time fractional diffusion equation. <i>Applied Mathematics and Computation</i> , <b>2012</b> , 218, 10861-10870	2.7	111
94	The analytical solution and numerical solution of the fractional diffusion-wave equation with damping. <i>Applied Mathematics and Computation</i> , <b>2012</b> , 219, 1737-1748	2.7	71
93	A computationally effective alternating direction method for the space and time fractional Bloch-Torrey equation in 3-D. <i>Applied Mathematics and Computation</i> , <b>2012</b> , 219, 4082-4095	2.7	42
92	Numerical methods and analysis for a class of fractional advection-dispersion models. <i>Computers and Mathematics With Applications</i> , <b>2012</b> , 64, 2990-3007	2.7	146
91	Analytical solutions for the multi-term time-fractional diffusion-wave/diffusion equations in a finite domain. <i>Computers and Mathematics With Applications</i> , <b>2012</b> , 64, 3377-3388	2.7	114
90	Novel Numerical Methods for Solving the Time-Space Fractional Diffusion Equation in Two Dimensions. <i>SIAM Journal of Scientific Computing</i> , <b>2011</b> , 33, 1159-1180	2.6	156
89	Numerical approximations and solution techniques for the space-time Riesz-Caputo fractional advection-diffusion equation. <i>Numerical Algorithms</i> , <b>2011</b> , 56, 383-403	2.1	98
88	A novel implicit finite difference method for the one-dimensional fractional percolation equation. <i>Numerical Algorithms</i> , <b>2011</b> , 56, 517-535	2.1	18
87	An implicit RBF meshless approach for time fractional diffusion equations. <i>Computational Mechanics</i> , <b>2011</b> , 48, 1-12	4	127
86	Numerical simulation for the variable-order Galilei invariant advection diffusion equation with a nonlinear source term. <i>Applied Mathematics and Computation</i> , <b>2011</b> , 217, 5729-5742	2.7	30
85	Numerical analysis for a variable-order nonlinear cable equation. <i>Journal of Computational and Applied Mathematics</i> , <b>2011</b> , 236, 209-224	2.4	23
84	Numerical methods with fourth-order spatial accuracy for variable-order nonlinear Stokes-First problem for a heated generalized second grade fluid. <i>Computers and Mathematics With Applications</i> , <b>2011</b> , 62, 971-986	2.7	46

83	Time-dependent fractional advection-diffusion equations by an implicit MLS meshless method. <i>International Journal for Numerical Methods in Engineering</i> , <b>2011</b> , 88, 1346-1362	2.4	73
82	Novel techniques in parameter estimation for fractional dynamical models arising from biological systems. <i>Computers and Mathematics With Applications</i> , <b>2011</b> , 62, 822-833	2.7	83
81	Finite element approximation for a modified anomalous subdiffusion equation. <i>Applied Mathematical Modelling</i> , <b>2011</b> , 35, 4103-4116	4.5	92
80	Fractional Differential Equations 2011. <i>International Journal of Differential Equations</i> , <b>2011</b> , 2011, 1-2	0.8	1
79	Stability and Convergence of Implicit Numerical Methods for a Class of Fractional Advection-Dispersion Models <b>2011</b> ,		1
78	Analytical and Numerical Solutions of the Space and Time Fractional Bloch-Torrey Equation <b>2011</b> ,		1
77	Two New Implicit Numerical Methods for the Fractional Cable Equation. <i>Journal of Computational and Nonlinear Dynamics</i> , <b>2011</b> , 6,	1.4	39
76	Fractional Differential Equations. <i>International Journal of Differential Equations</i> , <b>2010</b> , 2010, 1-2	0.8	7
75	Stability and Convergence of an Effective Numerical Method for the Time-Space Fractional Fokker-Planck Equation with a Nonlinear Source Term. <i>International Journal of Differential Equations</i> , <b>2010</b> , 2010, 1-22	0.8	12
74	Numerical Schemes with High Spatial Accuracy for a Variable-Order Anomalous Subdiffusion Equation. <i>SIAM Journal of Scientific Computing</i> , <b>2010</b> , 32, 1740-1760	2.6	169
73	Galerkin finite element approximation of symmetric space-fractional partial differential equations. <i>Applied Mathematics and Computation</i> , <b>2010</b> , 217, 2534-2545	2.7	137
72	Numerical schemes and multivariate extrapolation of a two-dimensional anomalous sub-diffusion equation. <i>Numerical Algorithms</i> , <b>2010</b> , 54, 1-21	2.1	71
71	Analytical and numerical solutions of a one-dimensional fractional-in-space diffusion equation in a composite medium. <i>Applied Mathematics and Computation</i> , <b>2010</b> , 216, 2248-2262	2.7	17
70	Numerical methods for fractional partial differential equations with Riesz space fractional derivatives. <i>Applied Mathematical Modelling</i> , <b>2010</b> , 34, 200-218	4.5	387
69	Computationally efficient numerical methods for time- and space-fractional Fokker-Planck equations. <i>Physica Scripta</i> , <b>2009</b> , T136, 014026	2.6	11
68	Stability and Convergence of Two New Implicit Numerical Methods for the Fractional Cable Equation <b>2009</b> ,		2
67	Stability and convergence of an implicit numerical method for the non-linear fractional reaction-subdiffusion process. <i>IMA Journal of Applied Mathematics</i> , <b>2009</b> , 74, 645-667	1	43
66	A numerical approximation method for solving a three-dimensional space Galilei invariant fractional advection-diffusion equation. <i>Journal of Applied Mathematics and Computing</i> , <b>2009</b> , 30, 219-236 <sup>18</sup>		12

65	Stability and convergence of a new explicit finite-difference approximation for the variable-order nonlinear fractional diffusion equation. <i>Applied Mathematics and Computation</i> , <b>2009</b> , 212, 435-445	2.7	194
64	A Fourier method and an extrapolation technique for Stokes' first problem for a heated generalized second grade fluid with fractional derivative. <i>Journal of Computational and Applied Mathematics</i> , <b>2009</b> , 223, 777-789	2.4	43
63	Numerical method and analytical technique of the modified anomalous subdiffusion equation with a nonlinear source term. <i>Journal of Computational and Applied Mathematics</i> , <b>2009</b> , 231, 160-176	2.4	159
62	Finite difference approximations for the fractional Fokker-Planck equation. <i>Applied Mathematical Modelling</i> , <b>2009</b> , 33, 256-273	4.5	169
61	Numerical Methods for the Variable-Order Fractional Advection-Diffusion Equation with a Nonlinear Source Term. <i>SIAM Journal on Numerical Analysis</i> , <b>2009</b> , 47, 1760-1781	2.4	368
60	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> , <b>2009</b> , 3, 553-572	0.7	4
59	New Solution and Analytical Techniques of the Implicit Numerical Method for the Anomalous Subdiffusion Equation. <i>SIAM Journal on Numerical Analysis</i> , <b>2008</b> , 46, 1079-1095	2.4	293
58	Numerical simulation for the 3D seepage flow with fractional derivatives in porous media. <i>IMA Journal of Applied Mathematics</i> , <b>2008</b> , 74, 201-229	1	36
57	The fundamental solution and numerical solution of the Riesz fractional advection-dispersion equation. <i>IMA Journal of Applied Mathematics</i> , <b>2008</b> , 73, 850-872	1	85
56	THE FUNDAMENTAL AND NUMERICAL SOLUTIONS OF THE RIESZ SPACE-FRACTIONAL REACTION-DISPERSION EQUATION. <i>ANZIAM Journal</i> , <b>2008</b> , 50, 45	0.5	16
55	ADI-Euler and extrapolation methods for the two-dimensional fractional advection-dispersion equation. <i>Journal of Applied Mathematics and Computing</i> , <b>2008</b> , 26, 295-311	1.8	40
54	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> , <b>2008</b> , 28, 147-164	1.8	11
53	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> , <b>2008</b> , 74, 138-158	2.4	32
52	Analytical solution for the time-fractional telegraph equation by the method of separating variables. <i>Journal of Mathematical Analysis and Applications</i> , <b>2008</b> , 338, 1364-1377	1.1	141
51	Finite difference methods and a fourier analysis for the fractional reaction-subdiffusion equation. <i>Applied Mathematics and Computation</i> , <b>2008</b> , 198, 754-769	2.7	123
50	Numerical analysis of the Rayleigh-Stokes problem for a heated generalized second grade fluid with fractional derivatives. <i>Applied Mathematics and Computation</i> , <b>2008</b> , 204, 340-351	2.7	40
49	Numerical approximation of L�y-Beller diffusion equation and its probability interpretation. <i>Journal of Computational and Applied Mathematics</i> , <b>2007</b> , 206, 1098-1115	2.4	36
48	Stability and convergence of the difference methods for the space-time fractional advection-diffusion equation. <i>Applied Mathematics and Computation</i> , <b>2007</b> , 191, 12-20	2.7	384

47	Fractional high order methods for the nonlinear fractional ordinary differential equation. <i>Nonlinear Analysis: Theory, Methods &amp; Applications</i> , <b>2007</b> , 66, 856-869	1.3	56
46	A Fourier method for the fractional diffusion equation describing sub-diffusion. <i>Journal of Computational Physics</i> , <b>2007</b> , 227, 886-897	4.1	264
45	Numerical simulation of the fractional-order control system. <i>Journal of Applied Mathematics and Computing</i> , <b>2007</b> , 23, 229-241	1.8	20
44	Implicit difference approximation for the two-dimensional space-time fractional diffusion equation. <i>Journal of Applied Mathematics and Computing</i> , <b>2007</b> , 25, 269-282	1.8	23
43	Approximation of the Lvy-Bellier advection-dispersion process by random walk and finite difference method. <i>Journal of Computational Physics</i> , <b>2007</b> , 222, 57-70	4.1	97
42	Finite Difference Approximation for Two-Dimensional Time Fractional Diffusion Equation. <i>Journal of Algorithms and Computational Technology</i> , <b>2007</b> , 1, 1-16	0.7	46
41	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> , <b>2007</b> , 1, 427-447	0.7	6
40	A Petrov-Galerkin method for a singularly perturbed ordinary differential equation with non-smooth data. <i>Journal of Applied Mathematics and Computing</i> , <b>2006</b> , 22, 317-329	1.8	
39	Detailed analysis of a conservative difference approximation for the time fractional diffusion equation. <i>Journal of Applied Mathematics and Computing</i> , <b>2006</b> , 22, 1-19	1.8	15
38	Implicit difference approximation for the time fractional diffusion equation. <i>Journal of Applied Mathematics and Computing</i> , <b>2006</b> , 22, 87-99	1.8	164
37	A finite volume simulation model for saturated-unsaturated flow and application to Gooburrum, Bundaberg, Queensland, Australia. <i>Applied Mathematical Modelling</i> , <b>2006</b> , 30, 352-366	4.5	6
36	The time fractional diffusion equation and the advection-dispersion equation. <i>ANZIAM Journal</i> , <b>2005</b> , 46, 317-330	0.5	91
35	Similarity solutions for solute transport in fractal porous media using a time- and scale-dependent dispersivity. <i>Applied Mathematical Modelling</i> , <b>2005</b> , 29, 852-870	4.5	37
34	The space-time fractional diffusion equation with Caputo derivatives. <i>Journal of Applied Mathematics and Computing</i> , <b>2005</b> , 19, 179-190	1.8	37
33	The fundamental solution of the space-time fractional advection-dispersion equation. <i>Journal of Applied Mathematics and Computing</i> , <b>2005</b> , 18, 339-350	1.8	83
32	Numerical solution of the space fractional Fokker-Planck equation. <i>Journal of Computational and Applied Mathematics</i> , <b>2004</b> , 166, 209-219	2.4	512
31	Uniform convergence difference schemes for singularly perturbed mixed boundary problems. <i>Journal of Computational and Applied Mathematics</i> , <b>2004</b> , 166, 31-54	2.4	15
30	A two-dimensional finite volume method for transient simulation of time- and scale-dependent transport in heterogeneous aquifer systems. <i>Journal of Applied Mathematics and Computing</i> , <b>2003</b> , 11, 215-241	1.8	8



29	Time fractional advection-dispersion equation. <i>Journal of Applied Mathematics and Computing</i> , <b>2003</b> , 13, 233-245	1.8	175
28	Tides as phase-modulated waves inducing periodic groundwater flow in coastal aquifers overlaying a sloping impervious base. <i>Environmental Modelling and Software</i> , <b>2003</b> , 18, 937-942	5.2	25
27	An unstructured mesh finite volume method for modelling saltwater intrusion into coastal aquifers. <i>Korean Journal of Computational and Applied Mathematics</i> , <b>2002</b> , 9, 391-407		11
26	Kinetics of adsorption on activated carbon: application of heterogeneous vacancy solution theory. <i>Chemical Engineering Science</i> , <b>2002</b> , 57, 3909-3928	4.4	32
25	Solution techniques for transport problems involving steep concentration gradients: application to noncatalytic fluid solid reactions. <i>Computers and Chemical Engineering</i> , <b>2001</b> , 25, 1159-1168	4	9
24	Application of Petrov-Galerkin methods to transient boundary value problems in chemical engineering: adsorption with steep gradients in bidisperse solids. <i>Chemical Engineering Science</i> , <b>2001</b> , 56, 3727-3735	4.4	19
23	Numerical solution of hyperbolic models of transport in bidisperse solids. <i>Computers and Chemical Engineering</i> , <b>2000</b> , 24, 1981-1995	4	9
22	Effect of Pore Blockage on Adsorption Isotherms and Dynamics: Anomalous Adsorption of Iodine on Activated Carbon. <i>Langmuir</i> , <b>2000</b> , 16, 4001-4008	4	26
21	Computationally efficient solution techniques for adsorption problems involving steep gradients in bidisperse particles. <i>Computers and Chemical Engineering</i> , <b>1999</b> , 23, 933-943	4	22
20	The use of a modified Petrov-Galerkin method for gas-solid reaction modelling. <i>IMA Journal of Applied Mathematics</i> , <b>1998</b> , 61, 33-46	1	3
19	A computationally efficient solution technique for moving-boundary problems in finite media. <i>IMA Journal of Applied Mathematics</i> , <b>1997</b> , 59, 71-84	1	24
18	Numerical simulation of the power density distribution generated in a multimode cavity by using the method of lines technique to solve directly for the electric field. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>1996</b> , 44, 2185-2194	4.1	7
17	A Numerical and Experimental Investigation of the Microwave Heating of Polymer Materials Inside a Ridge Waveguide. <i>Journal of Microwave Power and Electromagnetic Energy</i> , <b>1996</b> , 31, 71-82	1.4	24
16	Inverse average type tetrahedral finite-element schemes for the stationary semiconductor device equations. <i>Journal of Computational and Applied Mathematics</i> , <b>1992</b> , 44, 77-94	2.4	3
15	A second-order L-stable time discretisation of the semiconductor device equations. <i>Journal of Computational and Applied Mathematics</i> , <b>1992</b> , 42, 175-186	2.4	4
14	Numerical simulation for solute transport in fractal porous media. <i>ANZIAM Journal</i> , <b>45</b> , 461		50
13	Analysis of a discrete non-Markovian random walk approximation for the time fractional diffusion equation. <i>ANZIAM Journal</i> , <b>46</b> , 488		63
12	Error analysis of an explicit finite difference approximation for the space fractional diffusion equation with insulated ends. <i>ANZIAM Journal</i> , <b>46</b> , 871		60

11	A fractional-order implicit difference approximation for the space-time fractional diffusion equation. <i>ANZIAM Journal</i> ,47, 48	44
10	A computationally effective predictor-corrector method for simulating fractional order dynamical control system. <i>ANZIAM Journal</i> ,47, 168	24
9	Implicit difference approximation of the Galilei invariant fractional advection diffusion equation. <i>ANZIAM Journal</i> ,48, 775	9
8	Numerical treatment for the fractional Fokker-Planck equation. <i>ANZIAM Journal</i> ,48, 759	15
7	Novel numerical methods for time-space fractional reaction diffusion equations in two dimensions. <i>ANZIAM Journal</i> ,52, 395	12
6	Parameter estimation for a phenomenological model of the cardiac action potential. <i>ANZIAM Journal</i> ,52, 482	3
5	The use of a Riesz fractional differential-based approach for texture enhancement in image processing. <i>ANZIAM Journal</i> ,54, 590	29
4	A numerical method for the fractional Fitzhugh&ndash;Nagumo monodomain model. <i>ANZIAM Journal</i> ,54, 608	28
3	A numerical investigation of the time distributed-order diffusion model. <i>ANZIAM Journal</i> ,55, 464	19
2	Memory dependent anomalous diffusion in comb structure under distributed order time fractional dual-phase-lag model. <i>International Journal of Biomathematics</i> ,2150048	1.8 1
1	Novel superconvergence analysis of anisotropic triangular FEM for a multi-term time-fractional mixed sub-diffusion and diffusion-wave equation with variable coefficients. <i>Numerical Methods for Partial Differential Equations</i> ,	2.5 1