Solution for a Fractional Diffusion-Wave Equation Defined in a Bounded Domain

DOI: 10.1023/a:1016539022492
Nonlinear Dynamics, 2002, 29, 145-155.

#	Paper	IF	Citations
365	A Hybrid Symbolic-Numerical Simulation Method for Some Typical Boundary Control Problems. **2004**, 80, 635-643		9
364	Boundary Stabilization and Disturbance Rejection for Time Fractional Order Diffusion Wave Equations. *Nonlinear Dynamics*, **2004**, 38, 339-354	5	23
363	An explicit and numerical solutions of the fractional KdV equation. **2005**, 70, 110-118		108
362	Analytical approximate solution for fractional heat-like and wave-like equations with variable coefficients using the decomposition method. **2005**, 165, 459-472		69
361	An approximate solution for a fractional diffusion-wave equation using the decomposition method. **2005**, 165, 473-483		49
360	Analytic and approximate solutions of the space- and time-fractional telegraph equations. **2005**, 170, 1126-1134		119
359	Numerical inversion of 2-D Laplace transforms applied to fractional diffusion equations. **2005**, 53, 73-88		37
358	The space-time fractional diffusion equation with Caputo derivatives. **2005**, 19, 179-190		37
357	The time fractional diffusion equation and the advection-dispersion equation. **2005**, 46, 317-330		91
356	N-dimensional fractional diffusion equation and Green function approach: spatially dependent diffusion coefficient and external force. **2005**, 71, 052101		29
355	Hybrid symbolic and numerical simulation studies of time-fractional order wave-diffusion systems. **2006**, 79, 1462-1470		16
354	Compensation of Dynamic Friction by a Fractional Order Robust Controller. **2006**,		2
353	FRACTIONAL NONLINEAR DIFFUSION EQUATION: EXACT SOLUTIONS. **2006**, 39, 528-533		1
352	Rectangular decomposition method for fractional diffusion-wave equations. **2006**, 179, 92-97		15
351	Positive solutions of nonlinear fractional boundary value problems using Adomian decomposition method. **2006**, 180, 700-706		93
350	Approximate solutions for boundary value problems of time-fractional wave equation. **2006**, 181, 767-774		68
349	A reliable modification of the rectangular decomposition method. **2006**, 183, 1226-1234		4

348	Fractional kinetic equations and Universal decoupling of a memory function in mesoscale region. **2006**, 363, 282-298	50
347	Numerical treatment of an initial-boundary value problem for fractional partial differential equations. **2006**, 86, 2619-2631	19
346	Dynamical modelling of a genetic algorithm. **2006**, 86, 2760-2770	15
345	Weighted average finite difference methods for fractional diffusion equations. **2006**, 216, 264-274	273
344	Fractional diffusion equation and Green function approach: Exact solutions. **2006**, 360, 215-226	15
343	Detailed analysis of a conservative difference approximation for the time fractional diffusion equation. **2006**, 22, 1-19	15
342	Implicit difference approximation for the time fractional diffusion equation. **2006**, 22, 87-99	164
341	General solution of the diffusion equation with a nonlocal diffusive term and a linear force term. **2006**, 74, 042101	5
340	Dynamical Simulation Analysis based on Time Fractional Transmission Line model. **2006**,	4
339	Fractional Robust Control of a Ball-Beam System. **2006**,	3
338	Fractional diffusion equation in a confined region: surface effects and exact solutions. **2007**, 76, 032102	12
337	Exact solutions for time-fractional diffusion-wave equations by decomposition method. **2007**, 75, 53-61	65
336	Finite Difference Approximation for Two-Dimensional Time Fractional Diffusion Equation. **2007**, 1, 1-16	46
335	A diffusion wave equation with two fractional derivatives of different order. **2007**, 40, 5319-5333	72
334	Fractional nonlinear diffusion equation, solutions and anomalous diffusion. **2007**, 375, 65-71	23
333	The first experimental confirmation of the fractional kinetics containing the complex-power-law exponents: Dielectric measurements of polymerization reactions. **2007**, 388, 418-434	33
332	Fractional diffusion equation with an absorbent term and a linear external force: Exact solution. **2007**, 366, 346-350	20
331	Numerical solution of Fokker Planck equation with space- and time-fractional derivatives. **2007**, 369, 349-358	57

330	Generalized differential transform method for solving a space- and time-fractional diffusion-wave equation. **2007**, 370, 379-387		142
329	Implicit difference approximation for the two-dimensional space-time fractional diffusion equation. **2007**, 25, 269-282		23
328	Finite difference/spectral approximations for the time-fractional diffusion equation. **2007**, 225, 1533-1552		1015
327	Boundary value problems for multi-term fractional differential equations. **2008**, 345, 754-765		107
326	Fractional diffusion-wave problem in cylindrical coordinates. **2008**, 372, 5968-5972		110
325	Results for a fractional diffusion equation with a nonlocal term in spherical symmetry. **2008**, 372, 6121-6124		8
324	Time-fractional radial diffusion in a sphere. *Nonlinear Dynamics*, **2008**, 53, 55-65	5	39
323	Solving a fourth-order fractional diffusion-wave equation in a bounded domain by decomposition method. **2008**, 24, 1115-1126		29
322	Analytical solution for the time-fractional telegraph equation by the method of separating variables. **2008**, 338, 1364-1377		141
321	Application of modified decomposition method for the analytical solution of space fractional diffusion equation. **2008**, 196, 294-302		27
320	A new approach for the application of Adomian decomposition method for the solution of fractional space diffusion equation with insulated ends. **2008**, 202, 544-549		43
319	Compact structures in a class of nonlinearly dispersive equations with time-fractional derivatives. **2008**, 205, 273-280		8
318	Implicit finite difference approximation for time fractional diffusion equations. **2008**, 56, 1138-1145		288
317	Time fractional IHCP with Caputo fractional derivatives. **2008**, 56, 2371-2381		78
316	Solutions for a fractional diffusion equation with spherical symmetry using Green function approach. **2008**, 344, 90-94		9
315	Fractional radial diffusion in a cylinder. **2008**, 137, 46-50		39
314	On the rest state stability of an objective fractional derivative viscoelastic fluid model. **2008**, 49, 043101		24
313	Universal electromagnetic waves in dielectric. **2008**, 20, 175223		28

312	Fractional equations of Curie–von Schweidler and Gauss laws. **2008**, 20, 145212		18
311	Generalized time fractional IHCP with Caputo fractional derivatives. **2008**, 135, 012074		7
310	Solution of Fractional Vibration Equation by the Variational Iteration Method and Modified Decomposition Method. **2008**, 9,		30
309	Stable numerical evaluation of Grünwald–Letnikov fractional derivatives applied to a fractional IHCP. *Inverse Problems in Science and Engineering*, **2009**, 17, 229-243	1.3	40
308	Fractional Cauchy problems on bounded domains. **2009**, 37,		115
307	The fundamental solution of a diffusion-wave equation of fractional order. **2009**, 73, 351-392		44
306	Variational iteration method for fractional heat- and wave-like equations. **2009**, 10, 1854-1869		108
305	Analytic treatment of time fractional nonlinear operator equation with applications. **2009**, 83, 1315-1322		2
304	Analytical solution for the space fractional diffusion equation by two-step Adomian Decomposition Method. **2009**, 14, 1295-1306		59
303	Homotopy analysis method for solving linear and nonlinear fractional diffusion-wave equation. **2009**, 14, 2006-2012		107
302	Analysis of an axis-symmetric fractional diffusion-wave problem. **2009**, 42, 355208		19
301	Adaptive Control Using Fixed Point Transformations for Nonlinear Integer and Fractional Order Dynamic Systems. **2009**, 253-267		3
300	On three explicit difference schemes for fractional diffusion and diffusion-wave equations. **2009**, T136, 014025		18
299	A compact difference scheme for the fractional diffusion-wave equation. **2010**, 34, 2998-3007		157
298	Fractional diffusion equations by the Kansa method. **2010**, 59, 1614-1620		168
297	Synchronization of different fractional order chaotic systems using active control. **2010**, 15, 3536-3546		162
296	General solutions to a class of time fractional partial differential equations. **2010**, 31, 815-826		14
295	Time-fractional radial diffusion in hollow geometries. **2010**, 45, 577-583		25

294	Signaling problem for time-fractional diffusion-wave equation in a half-space in the case of angular symmetry. *Nonlinear Dynamics*, **2010**, 59, 593-605	5	57
293	Optimal control of a class of fractional heat diffusion systems. *Nonlinear Dynamics*, **2010**, 62, 39-51	5	27
292	Analytical solutions for anomalous transport of volatile pollutants in nonaqueous-phase liquid contaminated soil. *Nonlinear Dynamics*, **2010**, 62, 895-904	5	2
291	Analytical approach to Fokker Planck equation with space- and time-fractional derivatives by means of the homotopy perturbation method. **2010**, 22, 257-264		44
290	An anomalous non-self-similar infiltration and fractional diffusion equation. **2010**, 239, 1593-1597		29
289	Fractional variational iteration method and its application. **2010**, 374, 2506-2509		223
288	Evolution of the initial box-signal for time-fractional diffusion wave equation in a case of different spatial dimensions. **2010**, 389, 4696-4707		11
287	Fractional ordered Liu system with time-delay. **2010**, 15, 2178-2191		70
286	Solving fractional boundary value problems with Dirichlet boundary conditions using a new iterative method. **2010**, 59, 1801-1809		63
285	STOCHASTIC SOLUTIONS OF A CLASS OF HIGHER ORDER CAUCHY PROBLEMS IN Rd. **2010**, 10, 341-366		11
284	Solution of Extraordinary Differential Equations with Physical Reasoning by Obtaining Modal Reaction Series. **2010**, 2010, 1-19		4
283	Applications of variational iteration and homotopy perturbation methods to obtain exact solutions for time-fractional diffusion-wave equations. **2010**, 20, 638-654		6
282	The general time fractional wave equation for a vibrating string. **2010**, 43, 055204		24
281	Fractional Order Control of Fractional Diffusion Systems Subject to Input Hysteresis. **2010**, 5,		17
280	Decomposition-transform method for Fractional Differential Equations. **2010**, 11,		4
279	Inverse source problem for a fractional diffusion equation. **2011**, 27, 035010		131
278	Fractional diffusion equation with a generalized Riemann Liouville time fractional derivative. **2011**, 44, 255203		72
277	Nonlinear acoustic wave equations with fractional loss operators. **2011**, 130, 1125-32		31

276	Fractional order calculus: historical apologia, basic concepts and some applications. **2011**, 33, 4302-4302		28
275	Alternating direction implicit schemes for the two-dimensional fractional sub-diffusion equation. **2011**, 230, 8713-8728		134
274	Analytical treatment of differential equations with fractional coordinate derivatives. **2011**, 62, 1003-1012		16
273	Optimal control of fractional diffusion equation. **2011**, 61, 68-78		92
272	Effects of a fractional friction with power-law memory kernel on string vibrations. **2011**, 62, 1554-1561		22
271	Weighted pseudo almost automorphic mild solutions to semilinear fractional differential equations. **2011**, 217, 7579-7587		25
270	Application of the Laplace decomposition method for solving linear and nonlinear fractional diffusion□wave equations. **2011**, 24, 1799-1805		75
269	On the use of matrix functions for fractional partial differential equations. **2011**, 81, 1045-1056		41
268	Well posedness of a linearized fractional derivative fluid model. **2011**, 380, 188-203		18
267	Initial value/boundary value problems for fractional diffusion-wave equations and applications to some inverse problems. **2011**, 382, 426-447		573
266	Analytic solution of the fractional advection-diffusion equation for the time-of-flight experiment in a finite geometry. **2011**, 84, 041138		14
265	Exact Solution of Impulse Response to a Class of Fractional Oscillators and Its Stability. **2011**, 2011, 1-9		54
264	An Explicit Difference Method for Solving Fractional Diffusion and Diffusion-Wave Equations in the Caputo Form. **2011**, 6,		46
263	Antisynchronization of Nonidentical Fractional-Order Chaotic Systems Using Active Control. **2011**, 2011, 1-13		11
262	Local Fractional Fourier Series with Application to Wave Equation in Fractal Vibrating String. **2012**, 2012, 1-15		21
261	Chaos Control and Synchronization in Fractional-Order Lorenz-Like System. **2012**, 2012, 1-16		2
260	Compact Alternating Direction Implicit Scheme for the Two-Dimensional Fractional Diffusion-Wave Equation. **2012**, 50, 1535-1555		122
259	Solution of fractional partial differential equations using iterative method. *Fractional Calculus and Applied Analysis*, **2012**, 15, 684-699	2.7	26

258	An iteration regularization for a time-fractional inverse diffusion problem. **2012**, 36, 5642-5649		21
257	The Sinc–legendre collocation method for a class of fractional convection–diffusion equations with variable coefficients. **2012**, 17, 4125-4136		147
256	Fractional difference/finite element approximations for the time–space fractional telegraph equation. **2012**, 219, 2975-2988		86
255	On a class of fractional differential equations in a Sobolev space. **2012**, 91, 15-34		14
254	Analytical solutions for the multi-term time-fractional diffusion-wave/diffusion equations in a finite domain. **2012**, 64, 3377-3388		114
253	Fractional calculus modelling for unsteady unidirectional flow of incompressible fluids with time-dependent viscosity. **2012**, 17, 5073-5078		7
252	Synchronizing Fractional Chaotic Genesio-Tesi System via Backstepping Approach. **2012**, 220-223, 1244-1248		2
251	Optimal Control for Stochastic Volterra Equations with Completely Monotone Kernels. **2012**, 50, 748-789		7
250	Fractional wave equation with a frictional memory kernel of Mittag-Leffler type. **2012**, 218, 10022-10031		16
249	Central symmetric solution to the Neumann problem for a time-fractional diffusion-wave equation in a sphere. **2012**, 13, 1229-1238		16
248	PID controller design for fractional-order systems with time delays. **2012**, 61, 18-23		64
247	A finite difference scheme for fractional sub-diffusion equations on an unbounded domain using artificial boundary conditions. **2012**, 231, 2865-2879		76
246	Analytical solutions for the multi-term time–space Caputo–Riesz fractional advection–diffusion equations on a finite domain. **2012**, 389, 1117-1127		132
245	Exact solutions for fractional diffusion equation in a bounded domain with different boundary conditions. *Nonlinear Dynamics*, **2013**, 71, 671-683	5	19
244	Unique continuation property for the anomalous diffusion and its application. **2013**, 254, 3715-3728		13
243	Positivity and boundedness preserving schemes for the fractional reaction-diffusion equation. **2013**, 56, 2161-2178		3
242	Numerical approximations for fractional diffusion equations via a Chebyshev spectral-tau method. **2013**, 11,		12
241	A novel fractional-order hyperchaotic system stabilization via fractional sliding-mode control. *Nonlinear Dynamics*, **2013**, 74, 721-732	5	40

240	Dynamics analysis of fractional order Yu-Wang system. **2013**, 11,	1
239	Fractional Calculus as a Mathematical Tool to Improve the Modeling of Mass Transfer Phenomena in Food Processing. **2013**, 5, 45-55	39
238	Absorbing boundary conditions for the fractional wave equation. **2013**, 219, 9810-9820	6
237	Analytical solutions for the multi-term time–space fractional advection–diffusion equations with mixed boundary conditions. **2013**, 14, 1026-1033	42
236	Numerical approximation for a variable-order nonlinear reaction–subdiffusion equation. **2013**, 63, 265-290	28
235	On Attractivity and Positivity of Solutions for Functional Integral Equations of Fractional Order. **2013**, 2013, 1-17	
234	Higher-Order Numerical Scheme for the Fractional Heat Equation with Dirichlet and Neumann Boundary Conditions. **2013**, 63, 540-559	25
233	Pressure Transients in a Fractal-Cluster Model of Porous Media. **2013**,	
232	Existence and Uniqueness of the Solutions for Some Initial-Boundary Value Problems with the Fractional Dynamic Boundary Condition. **2013**, 2013, 1-20	2
231	Sinc-Chebyshev collocation method for a class of fractional diffusion-wave equations. **2014**, 2014, 143983	6
230	Homotopy Perturbation Method to Obtain Positive Solutions of Nonlinear Boundary Value Problems of Fractional Order. **2014**, 2014, 1-5	1
229	Two Hybrid Methods for Solving Two-Dimensional Linear Time-Fractional Partial Differential Equations. **2014**, 2014, 1-10	9
228	Finite Difference and Sinc-Collocation Approximations to a Class of Fractional Diffusion-Wave Equations. **2014**, 2014, 1-11	4
227	Implicit finite difference solution for time-fractional diffusion equations using AOR method. **2014**, 495, 012032	12
226	A GENERAL SOLUTION OF A SPACE-TIME FRACTIONAL ANOMALOUS DIFFUSION PROBLEM USING THE SERIES OF BILATERAL EIGEN-FUNCTIONS. **2014**, 29, 173-185	
225	On the linear-quadratic regulator problem in one-dimensional linear fractional stochastic systems. **2014**, 50, 282-286	7
224	Numerical simulation for the three-dimension fractional sub-diffusion equation. **2014**, 38, 3695-3705	27
223	Exact solutions of multi-term fractional diffusion-wave equations with Robin type boundary conditions. **2014**, 35, 49-62	15

222	Finite difference methods for the time fractional diffusion equation on non-uniform meshes. **2014**, 265, 195-210		151
221	On the fractional-order extended Kalman filter and its application to chaotic cryptography in noisy environment. **2014**, 38, 961-973		31
220	An inverse problem for space-fractional backward diffusion problem. *Mathematical Methods in the Applied Sciences*, **2014**, 37, 1147-1158	2.3	19
219	Approximate controllability for fractional diffusion equations by interior control. **2014**, 93, 1793-1810		22
218	Fractional diffusion-wave equations on finite interval by Laplace transform. **2014**, 25, 220-229		3
217	Secondary consolidation of clay as an anomalous diffusion process. **2014**, 38, 1231-1246		19
216	Homotopy perturbation method for two dimensional time-fractional wave equation. **2014**, 38, 5545-5552		43
215	Numerical solution for a class of fractional convection□diffusion equations using the flatlet oblique multiwavelets. **2014**, 20, 913-924		26
214	Synchronization of incommensurate non-identical fractional order chaotic systems using active control. **2014**, 223, 1495-1508		19
213	Bibliography. **2014**, 289-310		
212	Bibliography. **2014**, 379-402		
211	Reflected spectrally negative stable processes and their governing equations. **2015**, 368, 227-248		18
210	Existence and uniqueness of the solution to a coupled fractional diffusion system. *Advances in Difference Equations*, **2015**, 2015,	3.6	6
209	Lattice Boltzmann method for the fractional sub-diffusion equation. **2015**, 80, n/a-n/a		1
208	Fractional Heat Conduction Models and Thermal Diffusivity Determination. **2015**, 2015, 1-9		5
207	A Directly Numerical Algorithm for a Backward Time-Fractional Diffusion Equation Based on the Finite Element Method. **2015**, 2015, 1-8		2
206	Successive approximation: A survey on stable manifold of fractional differential systems. *Fractional Calculus and Applied Analysis*, **2015**, 18, 621-641	2.7	18
205	A B-spline collocation method for solving fractional diffusion and fractional diffusion-wave equations. **2015**, 8,		9

204	Cubic B-spline collocation method for solving time fractional gas dynamics equation. **2015**, 8,		1
203	Opening Remarks for the VIII Hotine-Marussi Symposium. **2015**, 3-6		1
202	A compact finite difference method for a class of time fractional convection-diffusion-wave equations with variable coefficients. **2015**, 70, 625-651		25
201	Heat conduction modeling by using fractional-order derivatives. **2015**, 257, 365-373		36
200	Local integration of 2-D fractional telegraph equation via local radial point interpolant approximation. **2015**, 130, 1		83
199	Local integration of 2-D fractional telegraph equation via moving least squares approximation. **2015**, 56, 98-105		49
198	Modeling Extreme-Event Precursors with the Fractional Diffusion Equation. *Fractional Calculus and Applied Analysis*, **2015**, 18, 208-222	2.7	15
197	The functional variable method for solving the fractional Korteweg de Vries equations and the coupled Korteweg de Vries equations. **2015**, 85, 583-592		23
196	Feedback optimal control for stochastic Volterra equations with completely monotone kernels. *Mathematical Control and Related Fields*, **2015**, 5, 191-235	1.5	2
195	An approach to time fractional gas dynamics equation: Quadratic B-spline Galerkin method. **2015**, 261, 330-336		4
194	Nonlocal fractional functional differential equations with measure of noncompactness in Banach space. **2015**, 9, 59-69		2
193	A Numerical Scheme Based on FD-RBF to Solve Fractional-Diffusion Inverse Heat Conduction Problems. **2015**, 68, 978-992		1
192	On Fully Mixed and Multidimensional Extensions of the Caputo and Riemann-Liouville Derivatives, Related Markov Processes and Fractional Differential Equations. *Fractional Calculus and Applied Analysis*, **2015**, 18, 1039-1073	2.7	25
191	Numerical solution for the linear time and space fractional diffusion equation. **2015**, 21, 1769-1777		2
190	A compact locally one-dimensional method for fractional diffusion-wave equations. **2015**, 49, 41-67		6
189	A compact finite difference method for solving a class of time fractional convection-subdiffusion equations. **2015**, 55, 1187-1217		21
188	Shift-and-Invert Krylov Methods for Time-Fractional Wave Equations. **2015**, 36, 86-103		5
187	Semianalytic Solution of Space-Time Fractional Diffusion Equation. **2016**, 2016, 1-9		3

186	Pressure Transients in a Fractal-Cluster Model of Porous Media. **2016**, 71, 9		3
185	Numerical approximation of higher-order time-fractional telegraph equation by using a combination of a geometric approach and method of line. **2016**, 316, 10-20		48
184	A unified approach for the numerical solution of time fractional Burgers□type equations. **2016**, 131, 1		20
183	A fast accurate approximation method with multigrid solver for two-dimensional fractional sub-diffusion equation. **2016**, 323, 204-218		8
182	Efficient implementation to numerically solve the nonlinear time fractional parabolic problems on unbounded spatial domain. **2016**, 322, 415-428		38
181	The BEM for Time Dependent Problems. **2016**, 347-371		
180	Spectral meshless radial point interpolation (SMRPI) method to two-dimensional fractional telegraph equation. *Mathematical Methods in the Applied Sciences*, **2016**, 39, 1820-1835	2.3	46
179	High-order compact finite difference and laplace transform method for the solution of time-fractional heat equations with dirchlet and neumann boundary conditions. **2016**, 32, 1184-1199		18
178	Unique continuation property for anomalous slow diffusion equation. **2016**, 41, 749-758		11
177	Time-fractional telegraph equation for hydrogen diffusion during severe accident in BWRs. **2016**, 28, 21-28		13
176	Regional boundary controllability of time fractional diffusion processes. **2016**, dnw001		3
175	Numerical Solution of Fractional Diffusion-Wave Equation. **2016**, 37, 19-39		28
174	Fractional electromagnetic waves in conducting media. **2016**, 30, 259-271		5
173	Actuator characterisations to achieve approximate controllability for a class of fractional sub-diffusion equations. **2017**, 90, 1212-1220		13
172	Numerical Solution of the Two-Sided Space□time Fractional Telegraph Equation Via Chebyshev Tau Approximation. **2017**, 174, 321-341		39
171	Symmetry classification of time-fractional diffusion equation. **2017**, 42, 560-570		4
170	Local radial basis function interpolation method to simulate 2D fractional-time convection-diffusion-reaction equations with error analysis. **2017**, 33, 974-994		20
169	Integrablization of time fractional PDEs. **2017**, 73, 1053-1062		1

168	Numerical solution of time fractional diffusion systems. **2017**, 116, 82-94		37
167	Exact solution and invariant for fractional Cattaneo anomalous diffusion of cells in two-dimensional comb framework. *Nonlinear Dynamics*, **2017**, 89, 213-224	5	9
166	A multigrid method for linear systems arising from time-dependent two-dimensional space-fractional diffusion equations. **2017**, 336, 69-86		29
165	Semi- analytic numerical method for solution of time-space fractional heat and wave type equations with variable coefficients. **2017**, 15, 74-86		5
164	Time evolution of the approximate and stationary solutions of the Time-Fractional Forced-Damped-Wave equation. **2017**, 10,		2
163	Analytical solutions for coupling fractional partial differential equations with Dirichlet boundary conditions. **2017**, 52, 165-176		12
162	A fourth-order extrapolated compact difference method for time-fractional convection-reaction-diffusion equations with spatially variable coefficients. **2017**, 312, 1-22		12
161	High-order algorithms for Riesz derivative and their applications (V). **2017**, 33, 1754-1794		15
160	Thermal shock fracture of a cracked thermoelastic plate based on time-fractional heat conduction. **2017**, 171, 22-34		22
159	Recovering the Initial Distribution for a Time-Fractional Diffusion Equation. **2017**, 149, 87-99		4
158	Fractional Fokker-Planck-Kolmogorov equations associated with SDES on a bounded domain. *Fractional Calculus and Applied Analysis*, **2017**, 20, 1281-1304	2.7	5
157	A backward problem for the time-fractional diffusion equation. *Mathematical Methods in the Applied Sciences*, **2017**, 40, 2466-2474	2.3	11
156	Applications of inverse tempered stable subordinators. **2017**, 73, 892-905		29
155	Identification of a time-dependent source term for a time fractional diffusion problem. **2017**, 96, 1638-1655		11
154	Galerkin Finite Element Approximations for Stochastic Space-Time Fractional Wave Equations. **2017** , 55, 3173-3202		24
153	A Splitting Preconditioner for Toeplitz-Like Linear Systems Arising from Fractional Diffusion Equations. **2017**, 38, 1580-1614		31
152	The first boundary-value problem for a fractional diffusion-wave equation in a non-cylindrical domain. **2017**, 81, 1212-1233		5
151	Synchronization of Two Fractional-Order Chaotic Systems via Nonsingular Terminal Fuzzy Sliding Mode Control. **2017**, 2017, 1-11		7

150	Landweber iterative method for identifying a space-dependent source for the time-fractional diffusion equation. **2017**, 2017,		7
149	The backward problem for a time-fractional diffusion-wave equation in a bounded domain. **2018**, 75, 3632-3648		36
148	Error estimates of a semidiscrete finite element method for fractional stochastic diffusion-wave equations. **2018**, 34, 1834-1848		9
147	An analytical framework of 2D diffusion, wave-like, telegraph, and Burgers□models with twofold Caputo derivatives ordering. *Nonlinear Dynamics*, **2018**, 93, 1911-1922	5	24
146	An analytical study of physical models with inherited temporal and spatial memory. **2018**, 133, 1		20
145	The numerical solution for the time-fractional inverse problem of diffusion equation. **2018**, 91, 50-59		15
144	A class of efficient difference method for time fractional reaction□diffusion equation. **2018**, 37, 4376-4396		13
143	On the solution of a fractional diffusion integrodifferential equation with Rothe time discretization. **2018**, 39, 643-654		2
142	Differential quadrature method for space-fractional diffusion equations on 2D irregular domains. **2018**, 79, 853-877		6
141	The spectral meshless radial point interpolation method for solving an inverse source problem of the time-fractional diffusion equation. **2018**, 129, 1-25		26
140	Solution to fractional pseudoparabolic equation with fractional integral condition. **2018**, 67, 205-213		1
139	Global uniqueness in an inverse problem for time fractional diffusion equations. **2018**, 264, 1146-1170		36
138	A unified numerical scheme for the multi-term time fractional diffusion and diffusion-wave equations with variable coefficients. *Journal of Computational and Applied Mathematics*, **2018**, 330, 380-397	2.4	25
137	Stability and Convergence Analysis of Finite Difference Schemes for Time-Dependent Space-Fractional Diffusion Equations with Variable Diffusion Coefficients. **2018**, 75, 1102-1127		13
136	The quasi-reversibility method for a final value problem of the time-fractional diffusion equation with inhomogeneous source. *Mathematical Methods in the Applied Sciences*, **2018**, 41, 1774-1795	2.3	12
135	Fractional-Order Theory of Thermoelasticicty. I: Generalization of the Fourier Equation. **2018**, 144, 04017164		4
134	An alternating segment Crank□Nicolson parallel difference scheme for the time fractional sub-diffusion equation. *Advances in Difference Equations*, **2018**, 2018,	3.6	3
133	On Time-Fractional Diffusion Equations with Space-Dependent Variable Order. **2018**, 19, 3855-3881		28

132	Application of Nonlinear Time-Fractional Partial Differential Equations to Image Processing via Hybrid Laplace Transform Method. **2018**, 2018, 1-9		4
131	Time fractional derivative model with Mittag-Leffler function kernel for describing anomalous diffusion: Analytical solution in bounded-domain and model comparison. *Chaos, Solitons and Fractals*, **2018**, 115, 306-312	9.3	19
130	Analytical solutions for multi-term time-space coupling fractional delay partial differential equations with mixed boundary conditions. **2018**, 65, 231-247		4
129	Space-time fractional Dirichlet problems. **2018**, 291, 2516-2535		8
128	Diffusion Process and Reaction on a Surface. **2018**, 2018, 1-11		1
127	Analytical solutions for multi-term time-space fractional partial differential equations with nonlocal damping terms. *Fractional Calculus and Applied Analysis*, **2018**, 21, 312-335	2.7	19
126	A numerical scheme based on Bernoulli wavelets and collocation method for solving fractional partial differential equations with Dirichlet boundary conditions. **2019**, 35, 34-59		32
125	Unique continuation property for multi-terms time fractional diffusion equations. **2019**, 373, 929-952		8
124	Identifying a fractional order and a space source term in a time-fractional diffusion-wave equation simultaneously. **2019**, 35, 115002		9
123	The probabilistic point of view on the generalized fractional partial differential equations. *Fractional Calculus and Applied Analysis*, **2019**, 22, 543-600	2.7	15
122	Preconditioned SOR Method to Solve Time-Fractional Diffusion Equations. **2019**, 1179, 012020		2
121	Analysis of two Legendre spectral approximations for the variable-coefficient fractional diffusion-wave equation. *Advances in Difference Equations*, **2019**, 2019,	3.6	
120	Numerical Study of Some Intelligent Robot Systems Governed by the Fractional Differential Equations. **2019**, 7, 138548-138555		2
119	Nonhomogeneous initial and boundary value problem for the Caputo-type fractional wave equation. *Advances in Difference Equations*, **2019**, 2019,	3.6	2
118	An efficient iterative approach for three-dimensional modified anomalous fractional sub-diffusion equations on a large domain. *Advances in Difference Equations*, **2019**, 2019,	3.6	1
117	A comparative study of analytical solutions of space-time fractional hyperbolic-like equations with two reliable methods. **2019**, 26, 41-57		3
116	A steady barycentric Lagrange interpolation method for the 2D higher-order time-fractional telegraph equation with nonlocal boundary condition with error analysis. **2019**, 35, 1694-1716		7
115	An accurate numerical technique for solving two-dimensional time fractional order diffusion equation. **2019**, 39, 214-221		6

114	Determination of the initial data in a time-fractional diffusion-wave problem by a final time data. **2019**, 78, 2525-2540		10
113	Polynomials for numerical solutions of space-time fractional differential equations (of the Fokker–Planck type). **2019**, 36, 2996-3015		
112	Infinite horizon stochastic optimal control for Volterra equations with completely monotone kernels. **2019**, 472, 61-93		0
111	The meshless Kansa method for time-fractional higher order partial differential equations with constant and variable coefficients. **2019**, 113, 1935-1954		10
110	Reconstruction of a time-dependent source term in a time-fractional diffusion-wave equation. *Inverse Problems in Science and Engineering*, **2019**, 27, 1577-1594	1.3	8
109	New local discontinuous Galerkin method for a fractional time diffusion wave equation. **2019**, 96, 1818-1838		3
108	A high-order scheme to approximate the Caputo fractional derivative and its application to solve the fractional diffusion wave equation. **2019**, 376, 1312-1330		12
107	A haar wavelet approximation for two-dimensional time fractional reaction–subdiffusion equation. **2019**, 35, 75-86		35
106	Caputo–Riesz-Feller fractional wave equation: analytic and approximate solutions and their continuation. **2019**, 59, 423-444		2
105	Inversion of the Initial Value for a Time-Fractional Diffusion-Wave Equation by Boundary Data. **2020**, 20, 109-120		3
104	Fractional Tikhonov Method for an Inverse Time-Fractional Diffusion Problem in 2-Dimensional Space. **2020**, 43, 25-38		4
103	Adaptive synchronization of uncertain fractional-order chaotic systems using sliding mode control techniques. **2020**, 234, 3-9		9
102	Landweber iterative method for identifying the initial value problem of the time-space fractional diffusion-wave equation. **2020**, 83, 1509-1530		23
101	An Avant-Garde Handling of Temporal-Spatial Fractional Physical Models. **2020**, 21, 183-194		12
100	Existence of mild solution of Atangana–Baleanu fractional differential equations with non-instantaneous impulses and with non-local conditions. *Chaos, Solitons and Fractals*, **2020**, 132, 109551	9.3	17
99	On a backward problem for fractional diffusion equation with Riemann-Liouville derivative. *Mathematical Methods in the Applied Sciences*, **2020**, 43, 1292-1312	2.3	4
98	Fractional Diffusion–Wave Equation with Application in Electrodynamics. **2020**, 8, 2086		2
97	Efficient Preconditioning for Time Fractional Diffusion Inverse Source Problems. **2020**, 41, 1857-1888		1

96	Meshless Technique for the Solution of Time-Fractional Partial Differential Equations Having Real-World Applications. *Journal of Function Spaces*, **2020**, 2020, 1-17	0.8	9
95	Simultaneous identification of three parameters in a time-fractional diffusion-wave equation by a part of boundary Cauchy data. **2020**, 384, 125382		1
94	Transient response of hygrothermoelastic field in an elastic plate with an edge crack. **2020**, 100, e202000005		
93	Solving space-fractional Cauchy problem by modified finite-difference discretization scheme. **2020**, 59, 2409-2417		6
92	Efficient methods for nonlinear time fractional diffusion-wave equations and their fast implementations. **2020**, 85, 375-397		8
91	On implied volatility recovery of a time-fractional Black-Scholes equation for double barrier options. **2020**, 1-16		1
90	Fractional Landweber method for an initial inverse problem for time-fractional wave equations. **2021**, 100, 860-878		4
89	An iterative method for solving fractional diffusion-wave equation involving the Caputo□Weyl fractional derivative. **2021**, 28, e2345		1
88	Uniqueness for identifying a space-dependent zeroth-order coefficient in a time-fractional diffusion-wave equation from a single boundary point measurement. **2021**, 112, 106814		2
87	Recovering space-dependent source for a time-space fractional diffusion wave equation by fractional Landweber method. *Inverse Problems in Science and Engineering*, **2021**, 29, 990-1011	1.3	2
86	Simultaneous inversion of two initial values for a time-fractional diffusion-wave equation. **2021**, 37, 24-43		2
85	Banded Preconditioners for Riesz Space Fractional Diffusion Equations. **2021**, 86, 1		0
84	An extension of the landweber regularization for a backward time fractional wave problem. **2021**, 14, 2893		
83	Fractional derivative order with respect to time for diffusion equation: an iterative method of determination. **2021**, 1715, 012035		
82	Initial-boundary Value Problem for a Time-fractional Subdiffusion Equation with an Arbitrary Elliptic Differential Operator. **2021**, 42, 517-525		4
81	Iterative Identification of the Diffusion Coefficient in an Initial Boundary Value Problem for the Subdiffusion Equation. **2021**, 15, 343-354		0
80	Inverse problem for a nonlinear third order in time partial differential equation. *Mathematical Methods in the Applied Sciences*, **2021**, 44, 9571-9581	2.3	1
79	Identifying a time-dependent zeroth-order coefficient in a time-fractional diffusion-wave equation by using the measured data at a boundary point. 1-26		1

78	Initial-boundary problem for degenerate high order equation with fractional derivative. 1		
77	Fractional Mathematical Oncology: On the potential of non-integer order calculus applied to interdisciplinary models. **2021**, 204, 104377		4
76	A Difference Scheme with Intrinsic Parallelism for Fractional Diffusion-wave Equation with Damping. **2021**, 37, 602-616		
75	Existence results for Atangana-Baleanu fractional neutral integro-differential systems with infinite delay through sectorial operators. *Chaos, Solitons and Fractals*, **2021**, 149, 111042	9.3	6
74	The Fractional Diffusion-Wave Equation in Bounded Inhomogeneous Anisotropic Media. An AEM Solution. **2009**, 255-276		2
73	Regularity and Unique Existence of Solution to Linear Diffusion Equation with Multiple Time-Fractional Derivatives. **2013**, 45-55		11
72	Introduction. **2018**, 1-16		0
71	Fractional Dynamics of Media with Long-Range Interaction. *Nonlinear Physical Science*, **2010**, 153-214	0.1	3
70	Solving Time-Space-Fractional Cauchy Problem with Constant Coefficients by Finite-Difference Method. **2020**, 25-46		3
69	Optimal control problem for coupled time-fractional diffusion systems with final observations. **2019**, 13, 124-135		10
68	Numerical simulation of higher-order diffusion-wave equations of variable coefficients using the meshless spectral method. *International Journal of Modern Physics C*, **2021**, 32, 2150010	1.1	1
67	Existence of solutions of non-autonomous fractional differential equations with integral impulse condition. *Advances in Difference Equations*, **2020**, 2020,	3.6	33
66	ANALYSIS OF SOLUTIONS OF TIME FRACTIONAL TELEGRAPH EQUATION. **2014**, 18, 209-224		4
65	Observability for fractional diffusion equations by interior control. *Fractional Calculus and Applied Analysis*, **2017**, 20, 537-552	2.7	1
64	On a nonlocal problem for a multiterm fractional diffusion-wave equation. *Fractional Calculus and Applied Analysis*, **2020**, 23, 324-355	2.7	15
63	Determination of the Order of Fractional Derivative for Subdiffusion Equations. *Fractional Calculus and Applied Analysis*, **2020**, 23, 1647-1662	2.7	8
62	Exact results for a fractional derivative of elementary functions. *SciPost Physics*, **2018**, 4,	6.1	3
61	Modeling Anomalous Moisture Transport in Cement-Based Materials with Kinetic Permeability. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	8

60	Determination of time dependent factors of coefficients in fractional diffusion equations. *Mathematical Control and Related Fields*, **2016**, 6, 251-269	1.5	27
59	*Izvestiya Rossiyskoy Akademii Nauk Seriya Matematicheskaya*, **2009**, 73, 141-182		19
58	*Izvestiya Rossiyskoy Akademii Nauk Seriya Matematicheskaya*, **2017**, 81, 158-179	0.5	4
57	Daftardar-Jafari Method for Fractional Heat-Like and Wave-Like Equations with Variable Coefficients. *Applied Mathematics*, **2017**, 08, 215-228	0.4	6
56	Application of Adomian Decomposition Method for the Analytical Solution of Space Fractional Diffusion Equation. *Advances in Pure Mathematics*, **2011**, 01, 345-350	0.3	8
55	Comparison of Fractional Robust- and Fixed Point Transformations- Based Adaptive Compensation of Dynamic Friction. *Journal of Advanced Computational Intelligence and Intelligent Informatics*, **2007**, 11, 1062-1071	0.4	2
54	Fixed Point Transformations in the Adaptive Control of Fractional-order MIMO Systems. *Lecture Notes in Control and Information Sciences*, **2009**, 103-112	0.5	1
53	Fractional Temporal Electrodynamics. *Nonlinear Physical Science*, **2010**, 357-376	0.1	
52	Application of He Variational Iteration Method for the Analytical Solution of Space Fractional Diffusion Equation. *Applied Mathematics*, **2011**, 02, 1091-1095	0.4	
51	Numerical Solution of a Two-Dimensional Anomalous Diffusion Problem. **2012**, 249-261		
50	Equations and Solutions. *Nonlinear Physical Science*, **2013**, 257-327	0.1	
49	A New Viewpoint to Fourier Analysis in Fractal Space. **2013**, 397-409		
48	Fractional Variational Iteration Method for Time Fractional Fourth-Order Diffusion-Wave Equation. *Springer Proceedings in Mathematics and Statistics*, **2019**, 169-178	0.2	
47	*Vestnik Samarskogo Gosudarstvennogo Tekhnicheskogo Universiteta, Seriya Fiziko-Matematicheskie Nauki*, **2019**, 23, 607-621	0.3	0
46	Dirichlet boundary value problem for Aller - Lykov moisture transfer equation with fractional derivative in time. *Ufimskij Matematicheskij Zurnal*, **2019**, 11, 71-81	1	0
45	*Itogi Nauki I Tehniki Seri, Sovremennye Problemy Matematiki, Fundamental?nye Napravleni*, **2019**, 167, 27-33	0	
44	*Itogi Nauki I Tehniki Seri, Sovremennye Problemy Matematiki, Fundamental?nye Napravleni*, **2019**, 167, 52-61	0	1
43	New Approaches for Decomposition Method for the Solution of Differential Equations. **2020**, 55-85		

42	Implicit radial point interpolation method for nonlinear space fractional advection-diffusion equations. *Rocky Mountain Journal of Mathematics*, **2020**, 50,	1.4	
41	Existence and Uniqueness for a System of Caputo-Hadamard Fractional Differential Equations with Multipoint Boundary Conditions. *Journal of Function Spaces*, **2020**, 2020, 1-10	0.8	3
40	On the Approximate Solution of Caputo-Riesz-Feller Fractional Diffusion Equation. *Advances in Computer and Electrical Engineering Book Series*, **2020**, 224-244	0.3	
39	Determining a time-dependent coefficient in a time-fractional diffusion-wave equation with the Caputo derivative by an additional integral condition. *Journal of Computational and Applied Mathematics*, **2021**, 404, 113910	2.4	0
38	*Mathematical Notes*, **2021**, 110, 824-836	0.4	
37	A new formulation of finite difference and finite volume methods for solving a space fractional convection–diffusion model with fewer error estimates. *Advances in Difference Equations*, **2021**, 2021,	3.6	1
36	Identification of stationary source in the anomalous diffusion equation. *Inverse Problems in Science and Engineering*, 1-17	1.3	
35	Boundary-Value Problem for the Allerʹykov Nonlocal Moisture Transfer Equation. *Journal of Mathematical Sciences*, **2022**, 260, 300-306	0.4	
34	Selected Engineering Applications of Fractional-Order Calculus. *Studies in Systems, Decision and Control*, **2022**, 333-359	0.8	
33	Green Function of the First Boundary-Value Problem for the Fractional Diffusion-Wave Equation in a Multidimensional Rectangular Domain. *Journal of Mathematical Sciences*, **2022**, 260, 325-334	0.4	1
32	Adaptive quantized controller design for synchronization of uncertain fractional-order nonlinear systems satisfying incremental quadratic constraints. *Transactions of the Institute of Measurement and Control*, 014233122110726	1.8	1
31	Inverse Problem for Finding the Order of the Fractional Derivative in the Wave Equation. *Mathematical Notes*, **2021**, 110, 842-852	0.5	1
30	Numerical Methods for Fractional Differential Equations. **2022**, 285-333		
29	Shifted fifth-kind Chebyshev polynomials Galerkin-based procedure for treating fractional diffusion-wave equation. *International Journal of Modern Physics C*,	1.1	3
28	Some Numerical Extrapolation Methods for the Fractional Sub-diffusion Equation and Fractional Wave Equation Based on the L1 Formula. *Communications on Applied Mathematics and Computation*, 1	0.9	
27	Fractional Modeling Applied to the Dynamics of the Action Potential in Cardiac Tissue. *Fractal and Fractional*, **2022**, 6, 149	3	0
26	Solvability of Atangana-Baleanu-Riemann (ABR) fractional stochastic differential equations driven by Rosenblatt process via measure of noncompactness. *Chaos, Solitons and Fractals*, **2022**, 157, 111960	9.3	0
25	Analytical solutions for fractional partial delay differential-algebraic equations with Dirichlet boundary conditions defined on a finite domain. *Fractional Calculus and Applied Analysis*, 1	2.7	0

24	Numerical solution of system of fuzzy fractional order Volterra integro-differential equation using optimal homotopy asymptotic method. *AIMS Mathematics*, **2022**, 7, 13169-13191	2.2	2
23	A numerical method for solving retrospective inverse problem of fractional parabolic equation. *Journal of Computational and Applied Mathematics*, **2022**, 413, 114366	2.4	0
22	Two Regularization Methods for Identifying the Source Term Problem on the Time-Fractional Diffusion Equation with a Hyper-Bessel Operator. *Acta Mathematica Scientia*, **2022**, 42, 1485-1518	0.7	
21	Extension of the Tricomi problem for a loaded parabolic–hyperbolic equation with a characteristic line of change of type. *Mathematical Methods in the Applied Sciences*,	2.3	0
20	Study on Nonhomogeneous Initial Boundary Value Problems of Two-Dimensional Caputo Type Time Fractional Heat Conduction Equation. *Modeling and Simulation*, **2022**, 11, 987-999	0	
19	Identification of the zeroth-order coefficient and fractional order in a time-fractional reaction-diffusion-wave equation. *Mathematical Methods in the Applied Sciences*,	2.3	0
18	Approximate controllability of Atangana-Baleanu fractional neutral delay integrodifferential stochastic systems with nonlocal conditions?. *Ain Shams Engineering Journal*, **2022**, 101882	4.4	2
17	Initial-boundary value problems for multi-term time-fractional wave equations.		0
16	Stability results and existence for fractional differential equation involving Atangana-Baleanu derivative with nonlocal integral conditions. **2022**, 8,		1
15	A Priori Estimates for the Solution of an Initial Boundary Value Problem of Fluid Flow through Fractured Porous Media. **2022**, 11, 408		
14	Displaying Projectile Motion with Nonlinear Air Resistance Using Caputo's Definition.		0
13	A NOTE ON CONTROLLABILITY OF NONINSTANTANEOUS IMPULSIVE ATANGANA–BALEANU–CAPUTO NEUTRAL FRACTIONAL INTEGRODIFFERENTIAL SYSTEMS.		0
12	A Fractional Model for the Single Stokes Pulse from the Nonlinear Optics. **2022**, 10, 2856-2875		0
11	An analysis on approximate controllability of Atangana–Baleanu fractional semilinear control systems. **2022**,		0
10	Existence of Atangana-Baleanu fractional neutral Volterra integro-differential equations with non-instantaneous impulses. **2022**, 103211		0
9	NON-AUTONOMOUS FRACTIONAL EVOLUTION EQUATIONS WITH NON-INSTANTANEOUS IMPULSE CONDITIONS OF ORDER (1,2): A CAUCHY PROBLEM.		0
8	g -fractional diffusion models in bounded domains. **2023**, 107,		1
7	Numerical study and parameters estimation of anomalous diffusion process in porous media based on variable-order time fractional dual-phase-lag model. 1-32		0

6	Computational half-sweep preconditioned Gauss–Seidel method for time-fractional diffusion equations. **2023**, 285-300	0
5	Regularization of the Final Value Problem for the Time-Fractional Diffusion Equation.	0
4	RBF-Based Local Meshless Method for Fractional Diffusion Equations. **2023**, 7, 143	1
3	Finite Difference Schemes for Time-Space Fractional Diffusion Equations in One- and Two-Dimensions.	0
2	A new fourth-order grouping iterative method for the time fractional sub-diffusion equation having a weak singularity at initial time. **2023**, 8, 13725-13746	0
1	Mesh-Less Numerical Simulation of the Fractional Diffusion Equation. **2023**, 12, 1664-1670	0