

# Hossein Jafari

## List of Publications by Citations

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

183  
papers

4,002  
citations

32  
h-index

55  
g-index

193  
ext. papers

4,744  
ext. citations

2.3  
avg, IF

6.54  
L-index

#	Paper	IF	Citations
183	An iterative method for solving nonlinear functional equations. <i>Journal of Mathematical Analysis and Applications</i> , <b>2006</b> , 316, 753-763	1.1	268
182	Adomian decomposition: a tool for solving a system of fractional differential equations. <i>Journal of Mathematical Analysis and Applications</i> , <b>2005</b> , 301, 508-518	1.1	216
181	Solving a multi-order fractional differential equation using adomian decomposition. <i>Applied Mathematics and Computation</i> , <b>2007</b> , 189, 541-548	2.7	155
180	Solving a system of nonlinear fractional differential equations using Adomian decomposition. <i>Journal of Computational and Applied Mathematics</i> , <b>2006</b> , 196, 644-651	2.4	116
179	Application of Legendre wavelets for solving fractional differential equations. <i>Computers and Mathematics With Applications</i> , <b>2011</b> , 62, 1038-1045	2.7	114
178	Homotopy analysis method for solving linear and nonlinear fractional diffusion-wave equation. <i>Communications in Nonlinear Science and Numerical Simulation</i> , <b>2009</b> , 14, 2006-2012	3.7	107
177	Solving fractional diffusion and wave equations by modified homotopy perturbation method. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2007</b> , 370, 388-396	2.3	103
176	Analysis of a system of nonautonomous fractional differential equations involving Caputo derivatives. <i>Journal of Mathematical Analysis and Applications</i> , <b>2007</b> , 328, 1026-1033	1.1	95
175	Positive solutions of nonlinear fractional boundary value problems using Adomian decomposition method. <i>Applied Mathematics and Computation</i> , <b>2006</b> , 180, 700-706	2.7	93
174	Solving linear and nonlinear fractional diffusion and wave equations by Adomian decomposition. <i>Applied Mathematics and Computation</i> , <b>2006</b> , 180, 488-497	2.7	91
173	A new approach for solving a system of fractional partial differential equations. <i>Computers and Mathematics With Applications</i> , <b>2013</b> , 66, 838-843	2.7	90
172	Solving a system of nonlinear fractional partial differential equations using homotopy analysis method. <i>Communications in Nonlinear Science and Numerical Simulation</i> , <b>2009</b> , 14, 1962-1969	3.7	83
171	Application of the Laplace decomposition method for solving linear and nonlinear fractional diffusion-wave equations. <i>Applied Mathematics Letters</i> , <b>2011</b> , 24, 1799-1805	3.5	75
170	A new approach for solving multi variable orders differential equations with Mittag-Leffler kernel. <i>Chaos, Solitons and Fractals</i> , <b>2020</b> , 130, 109405	9.3	74
169	Analytical solutions of the Gerdjikov-Ivanov equation by using exp( $\frac{1}{t}$ )-expansion method. <i>Optik</i> , <b>2017</b> , 139, 72-76	2.5	68
168	Optical Solitons in Photonic Nano Waveguides with an Improved Nonlinear Schrödinger's Equation. <i>Journal of Computational and Theoretical Nanoscience</i> , <b>2013</b> , 10, 1182-1191	0.3	62
167	Revised Adomian decomposition method for solving a system of nonlinear equations. <i>Applied Mathematics and Computation</i> , <b>2006</b> , 175, 1-7	2.7	54

166	Homotopy analysis method for solving multi-term linear and nonlinear diffusion-wave equations of fractional order. <i>Computers and Mathematics With Applications</i> , <b>2010</b> , 59, 1337-1344	2.7	51
165	A modified variational iteration method for solving fractional Riccati differential equation by Adomian polynomials. <i>Fractional Calculus and Applied Analysis</i> , <b>2013</b> , 16,	2.7	46
164	Fractional Lie group method of the time-fractional Boussinesq equation. <i>Nonlinear Dynamics</i> , <b>2015</b> , 81, 1569-1574	5	45
163	Fractional variational iteration method via modified Riemann-Liouville derivative. <i>Journal of King Saud University - Science</i> , <b>2011</b> , 23, 413-417	3.6	45
162	A fractional order HIV/AIDS model based on the effect of screening of unaware infectives. <i>Mathematical Methods in the Applied Sciences</i> , <b>2019</b> , 42, 2334-2343	2.3	44
161	Numerical solution of variable order fractional nonlinear quadratic integro-differential equations based on the sixth-kind Chebyshev collocation method. <i>Journal of Computational and Applied Mathematics</i> , <b>2020</b> , 377, 112908	2.4	42
160	Application of a Homogeneous Balance Method to Exact Solutions of Nonlinear Fractional Evolution Equations. <i>Journal of Computational and Nonlinear Dynamics</i> , <b>2014</b> , 9,	1.4	39
159	On existence results for solutions of a coupled system of hybrid boundary value problems with hybrid conditions. <i>Advances in Difference Equations</i> , <b>2015</b> , 2015,	3.6	38
158	Numerical approach of Fokker-Planck equation with Caputo-Fabrizio fractional derivative using Ritz approximation. <i>Journal of Computational and Applied Mathematics</i> , <b>2018</b> , 339, 367-373	2.4	38
157	A numerical study of fractional rheological models and fractional Newell-Whitehead-Segel equation with non-local and non-singular kernel. <i>Chinese Journal of Physics</i> , <b>2020</b> , 68, 308-320	3.5	37
156	Fractional complex transform method for wave equations on Cantor sets within local fractional differential operator. <i>Advances in Difference Equations</i> , <b>2013</b> , 2013, 97	3.6	36
155	Local Fractional Adomian Decomposition and Function Decomposition Methods for Laplace Equation within Local Fractional Operators. <i>Advances in Mathematical Physics</i> , <b>2014</b> , 2014, 1-7	1.1	36
154	Stability of a finite volume element method for the time-fractional advection-diffusion equation. <i>Numerical Methods for Partial Differential Equations</i> , <b>2018</b> , 34, 1459-1471	2.5	35
153	Fractional Subequation Method for Cahn-Hilliard and Klein-Gordon Equations. <i>Abstract and Applied Analysis</i> , <b>2013</b> , 2013, 1-5	0.7	35
152	The first integral method and traveling wave solutions to Davey-Stewartson equation. <i>Nonlinear Analysis: Modelling and Control</i> , <b>2012</b> , 17, 182-193	1.3	32
151	Reduced differential transform method for partial differential equations within local fractional derivative operators. <i>Advances in Mechanical Engineering</i> , <b>2016</b> , 8, 168781401663301	1.2	31
150	Dark solitons of the Biswas-Milovic equation by the first integral method. <i>Optik</i> , <b>2013</b> , 124, 3929-3932	2.5	31
149	He's Variational Iteration Method for Solving Fractional Riccati Differential Equation. <i>International Journal of Differential Equations</i> , <b>2010</b> , 2010, 1-8	0.8	30

148	Revised Adomian decomposition method for solving systems of ordinary and fractional differential equations. <i>Applied Mathematics and Computation</i> , <b>2006</b> , 181, 598-608	2.7	30
147	Numerical analysis of the fractional evolution model for heat flow in materials with memory. <i>AEJ - Alexandria Engineering Journal</i> , <b>2020</b> , 59, 2627-2637	6.1	29
146	Solving a multi-order fractional differential equation using homotopy analysis method. <i>Journal of King Saud University - Science</i> , <b>2011</b> , 23, 151-155	3.6	29
145	Solving a fourth-order fractional diffusion-wave equation in a bounded domain by decomposition method. <i>Numerical Methods for Partial Differential Equations</i> , <b>2008</b> , 24, 1115-1126	2.5	29
144	Existence criterion for the solutions of fractional order p-Laplacian boundary value problems. <i>Boundary Value Problems</i> , <b>2015</b> , 2015,	2.1	28
143	Solving FDEs with Caputo-Fabrizio derivative by operational matrix based on Genocchi polynomials. <i>Mathematical Methods in the Applied Sciences</i> , <b>2018</b> , 41, 9134-9141	2.3	28
142	Laplace homotopy perturbation method for Burgers equation with space- and time-fractional order. <i>Open Physics</i> , <b>2016</b> , 14, 247-252	1.3	27
141	Operational matrix for Atangana-Baleanu derivative based on Genocchi polynomials for solving FDEs. <i>Chaos, Solitons and Fractals</i> , <b>2020</b> , 135, 109736	9.3	26
140	A mathematical model for simulation of a water table profile between two parallel subsurface drains using fractional derivatives. <i>Computers and Mathematics With Applications</i> , <b>2013</b> , 66, 785-794	2.7	26
139	A Novel Approach for Solving an Inverse Reaction-Diffusion-Convection Problem. <i>Journal of Optimization Theory and Applications</i> , <b>2019</b> , 183, 688-704	1.6	25
138	A Numerical Approach for Fractional Order Riccati Differential Equation Using B-Spline Operational Matrix. <i>Fractional Calculus and Applied Analysis</i> , <b>2015</b> , 18, 387-399	2.7	25
137	Mathematical models of HIV/AIDS and drug addiction in prisons. <i>European Physical Journal Plus</i> , <b>2020</b> , 135, 1	3.1	24
136	Damped wave equation and dissipative wave equation in fractal strings within the local fractional variational iteration method. <i>Fixed Point Theory and Applications</i> , <b>2013</b> , 2013, 89	1.4	24
135	Helmholtz and Diffusion Equations Associated with Local Fractional Derivative Operators Involving the Cantorian and Cantor-Type Cylindrical Coordinates. <i>Advances in Mathematical Physics</i> , <b>2013</b> , 2013, 1-5	1.1	24
134	Numerical evaluation of fractional Tricomi-type model arising from physical problems of gas dynamics. <i>Journal of Advanced Research</i> , <b>2020</b> , 25, 205-216	1.3	23
133	Derivation of a fractional Boussinesq equation for modelling unconfined groundwater. <i>European Physical Journal: Special Topics</i> , <b>2013</b> , 222, 1805-1812	2.3	22
132	A new general integral transform for solving integral equations. <i>Journal of Advanced Research</i> , <b>2021</b> , 32, 133-138	1.3	22
131	Numerical solutions of time-fractional Klein-Gordon equations by clique polynomials. <i>AEJ - Alexandria Engineering Journal</i> , <b>2021</b> , 60, 4563-4571	6.1	22

130	Travelling wave solutions of nonlinear evolution equations using the simplest equation method. <i>Computers and Mathematics With Applications</i> , <b>2012</b> , 64, 2084-2088	2.7	21
129	New solitary wave solutions for the bad Boussinesq and good Boussinesq equations. <i>Numerical Methods for Partial Differential Equations</i> , <b>2009</b> , 25, 1231-1237	2.5	21
128	A new approach for solving integro-differential equations of variable order. <i>Journal of Computational and Applied Mathematics</i> , <b>2020</b> , 379, 112946	2.4	21
127	The variational iteration method for solving n-th order fuzzy differential equations. <i>Open Physics</i> , <b>2012</b> , 10,	1.3	20
126	Numerical method for the wave and nonlinear diffusion equations with the homotopy perturbation method. <i>Computers and Mathematics With Applications</i> , <b>2009</b> , 57, 1226-1231	2.7	20
125	An analytical approach to obtain exact solutions of some space-time conformable fractional differential equations. <i>Advances in Difference Equations</i> , <b>2019</b> , 2019,	3.6	20
124	A new numerical scheme for solving pantograph type nonlinear fractional integro-differential equations. <i>Journal of King Saud University - Science</i> , <b>2021</b> , 33, 101185	3.6	20
123	Study of fractional order Van der Pol equation. <i>Journal of King Saud University - Science</i> , <b>2016</b> , 28, 55-60	3.6	19
122	Mathematical analysis of a stochastic model for spread of Coronavirus. <i>Chaos, Solitons and Fractals</i> , <b>2021</b> , 145, 110788	9.3	19
121	A numerical study of fractional order population dynamics model. <i>Results in Physics</i> , <b>2021</b> , 27, 104456	3.7	19
120	A Numerical Approach for Multi-variable Orders Differential Equations Using Jacobi Polynomials. <i>International Journal of Applied and Computational Mathematics</i> , <b>2019</b> , 5, 1	1.3	18
119	Numerical Solution of Nonlinear Reaction-Advection-Diffusion Equation. <i>Journal of Computational and Nonlinear Dynamics</i> , <b>2019</b> , 14,	1.4	18
118	Numerical Solution of Time-Fractional Klein-Gordon Equation by Using the Decomposition Methods. <i>Journal of Computational and Nonlinear Dynamics</i> , <b>2016</b> , 11,	1.4	18
117	A comparison between the variational iteration method and the successive approximations method. <i>Applied Mathematics Letters</i> , <b>2014</b> , 32, 1-5	3.5	18
116	The Yang-Laplace Transform for Solving the IVPs with Local Fractional Derivative. <i>Abstract and Applied Analysis</i> , <b>2014</b> , 2014, 1-5	0.7	18
115	A mathematical model to examine the effect of quarantine on the spread of coronavirus. <i>Chaos, Solitons and Fractals</i> , <b>2021</b> , 142, 110418	9.3	18
114	Results for Mild solution of fractional coupled hybrid boundary value problems. <i>Open Mathematics</i> , <b>2015</b> , 13,	0.8	17
113	On the Exact Solution of Wave Equations on Cantor Sets. <i>Entropy</i> , <b>2015</b> , 17, 6229-6237	2.8	17

112	On the Existence and Uniqueness of Solutions for Local Fractional Differential Equations. <i>Entropy</i> , <b>2016</b> , 18, 420	2.8	17
111	A numerical approach for solving variable order differential equations based on Bernstein polynomials. <i>Computational and Mathematical Methods</i> , <b>2019</b> , 1, e1055	0.9	15
110	An algorithm for the numerical solution of nonlinear fractional-order Van der Pol oscillator equation. <i>Mathematical and Computer Modelling</i> , <b>2012</b> , 55, 1782-1786		15
109	A new method for calculating general lagrange multiplier in the variational iteration method. <i>Numerical Methods for Partial Differential Equations</i> , <b>2011</b> , 27, 996-1001	2.5	15
108	A mathematical model and numerical solution for brain tumor derived using fractional operator. <i>Results in Physics</i> , <b>2021</b> , 28, 104671	3.7	15
107	On the existence of solution for fractional differential equations of order 3 <i>Advances in Difference Equations</i> , <b>2015</b> , 2015,	3.6	14
106	The G <sup>2</sup> /G-expansion method for solutions of evolution equations from isothermal magnetostatic atmospheres. <i>Journal of King Saud University - Science</i> , <b>2013</b> , 25, 57-62	3.6	14
105	Reduced differential transform and variational iteration methods for 3-D diffusion model in fractal heat transfer within local fractional operators. <i>Thermal Science</i> , <b>2018</b> , 22, 301-307	1.2	14
104	A numerical scheme to solve variable order diffusion-wave equations. <i>Thermal Science</i> , <b>2019</b> , 23, 2063-2071		14
103	Numerical solution of multi-variable order fractional integro-differential equations using the Bernstein polynomials. <i>Engineering With Computers</i> , <b>2020</b> , 1	4.5	14
102	A numerical approach for solving fractional optimal control problems with mittag-leffler kernel. <i>JVC/Journal of Vibration and Control</i> , <b>2021</b> , 107754632110169	2	14
101	On the Approximate Solutions of Local Fractional Differential Equations with Local Fractional Operators. <i>Entropy</i> , <b>2016</b> , 18, 150	2.8	14
100	Numerical solutions of multi-order fractional differential equations by Boubaker polynomials. <i>Open Physics</i> , <b>2016</b> , 14, 226-230	1.3	14
99	A Collocation Approach for Solving Time-Fractional Stochastic Heat Equation Driven by an Additive Noise. <i>Symmetry</i> , <b>2020</b> , 12, 904	2.7	13
98	New solitary wave solutions for generalized regularized long-wave equation. <i>International Journal of Computer Mathematics</i> , <b>2010</b> , 87, 509-514	1.2	12
97	A decomposition method for solving diffusion equations via local fractional time derivative. <i>Thermal Science</i> , <b>2015</b> , 19, 123-129	1.2	12
96	A new numerical method to solve pantograph delay differential equations with convergence analysis. <i>Advances in Difference Equations</i> , <b>2021</b> , 2021,	3.6	12
95	On systems of nonlinear equations: some modified iteration formulas by the homotopy perturbation method with accelerated fourth- and fifth-order convergence. <i>Applied Mathematical Modelling</i> , <b>2016</b> , 40, 1467-1476	4.5	11

94	The Bernstein Operational Matrices for Solving the Fractional Quadratic Riccati Differential Equations with the Riemann-Liouville Derivative. <i>Abstract and Applied Analysis</i> , <b>2013</b> , 2013, 1-7	0.7	11
93	Computational method based on Bernstein operational matrices for multi-order fractional differential equations. <i>Filomat</i> , <b>2014</b> , 28, 591-601	0.7	11
92	New method for solving a class of fractional partial differential equations with applications. <i>Thermal Science</i> , <b>2018</b> , 22, 277-286	1.2	11
91	Group classification of the time-fractional Kaup-Kupershmidt equation. <i>Scientia Iranica</i> , <b>2017</b> , 24, 302-307.5	1.5	11
90	Solution of Higher Order Nonlinear Time-Fractional Reaction Diffusion Equation. <i>Entropy</i> , <b>2016</b> , 18, 329-338	2.8	11
89	On comparison between iterative methods for solving nonlinear optimal control problems. <i>JVC/Journal of Vibration and Control</i> , <b>2016</b> , 22, 2281-2287	2	10
88	Fractional sub-equation method for the fractional generalized reaction Duffing model and nonlinear fractional Sharma-Tasso-Olver equation. <i>Open Physics</i> , <b>2013</b> , 11,	1.3	10
87	A new approach for solving nonlinear Volterra integro-differential equations with Mittag-Leffler kernel <b>2020</b> , 46, 144-158		10
86	ON THE APPROXIMATE SOLUTIONS FOR A SYSTEM OF COUPLED KORTEWEG-DE VRIES EQUATIONS WITH LOCAL FRACTIONAL DERIVATIVE. <i>Fractals</i> , <b>2021</b> , 29, 2140012	3.2	10
85	New general integral transform via Atangana-Baleanu derivatives. <i>Advances in Difference Equations</i> , <b>2021</b> , 2021,	3.6	10
84	Exact solutions of two nonlinear partial differential equations by using the first integral method. <i>Boundary Value Problems</i> , <b>2013</b> , 2013,	2.1	9
83	Error estimate of the MQ-RBF collocation method for fractional differential equations with Caputo-Fabrizio derivative. <i>Mathematical Sciences</i> , <b>2017</b> , 11, 297-305	1.6	9
82	On a Numerical Approach to Solve Multi-Order Fractional Differential Equations With Initial/Boundary Conditions. <i>Journal of Computational and Nonlinear Dynamics</i> , <b>2015</b> , 10,	1.4	9
81	The homotopy analysis method for solving higher dimensional initial boundary value problems of variable coefficients. <i>Numerical Methods for Partial Differential Equations</i> , <b>2010</b> , 26, 1021-1032	2.5	9
80	A new algorithm for solving dynamic equations on a time scale. <i>Journal of Computational and Applied Mathematics</i> , <b>2017</b> , 312, 167-173	2.4	8
79	Local fractional system for economic order quantity using entropy solution. <i>Advances in Difference Equations</i> , <b>2019</b> , 2019,	3.6	8
78	Complex B-spline Collocation method for solving weakly singular Volterra integral equations of the second kind. <i>Miskolc Mathematical Notes</i> , <b>2015</b> , 16, 1091-1103	2.1	8
77	Numerical computation of the time non-linear fractional generalized equal width model arising in shallow water channel. <i>Thermal Science</i> , <b>2020</b> , 24, 49-58	1.2	8



76	A semi-analytical approach for fractional order Boussinesq equation in a gradient unconfined aquifers. <i>Mathematical Methods in the Applied Sciences</i> , <b>2021</b> ,	2.3	8
75	More efficient estimates via $\alpha$ -discrete fractional calculus theory and applications. <i>Chaos, Solitons and Fractals</i> , <b>2021</b> , 147, 110981	9.3	8
74	Approximate Analytical Solution of a Coupled System of Fractional Partial Differential Equations by Bernstein Polynomials. <i>International Journal of Applied and Computational Mathematics</i> , <b>2016</b> , 2, 85-96	1.3	7
73	Solution of time-fractional Cahn-Hilliard equation with reaction term using homotopy analysis method. <i>Advances in Mechanical Engineering</i> , <b>2017</b> , 9, 168781401774077	1.2	7
72	Homotopy Perturbation Pade Technique for Solving Fractional Riccati Differential Equations. <i>International Journal of Nonlinear Sciences and Numerical Simulation</i> , <b>2010</b> , 11,	1.8	7
71	SOLUTION OF THE LOCAL FRACTIONAL GENERALIZED KDV EQUATION USING HOMOTOPY ANALYSIS METHOD. <i>Fractals</i> , <b>2021</b> , 29, 2140014	3.2	7
70	A novel numerical manner for two-dimensional space fractional diffusion equation arising in transport phenomena. <i>Numerical Methods for Partial Differential Equations</i> , <b>2021</b> , 37, 1397-1406	2.5	7
69	On a final value problem for a nonlinear fractional pseudo-parabolic equation. <i>Electronic Research Archive</i> , <b>2021</b> , 29, 1709-1734	1.9	7
68	Numerical solution of fractional differential equations by using fractional B-spline. <i>Open Physics</i> , <b>2013</b> , 11,	1.3	6
67	Fractional derivative generalization of Noether's theorem. <i>Open Mathematics</i> , <b>2015</b> , 13,	0.8	6
66	Mathematical Models Arising in the Fractal Forest Gap via Local Fractional Calculus. <i>Abstract and Applied Analysis</i> , <b>2014</b> , 2014, 1-6	0.7	6
65	Variational Iteration Method for a Fractional-Order Brusselator System. <i>Abstract and Applied Analysis</i> , <b>2014</b> , 2014, 1-6	0.7	6
64	Stability of Dirac Equation in Four-Dimensional Gravity. <i>Chinese Physics Letters</i> , <b>2017</b> , 34, 060301	1.8	5
63	Partial Fractional Equations and Their Applications. <i>Mathematical Problems in Engineering</i> , <b>2015</b> , 2015, 1-1	1.1	5
62	Numerical solutions of the nonlinear fractional-order brusselator system by Bernstein polynomials. <i>Scientific World Journal, The</i> , <b>2014</b> , 2014, 257484	2.2	5
61	Analytical Solutions of the One-Dimensional Heat Equations Arising in Fractal Transient Conduction with Local Fractional Derivative. <i>Abstract and Applied Analysis</i> , <b>2013</b> , 2013, 1-5	0.7	5
60	Homotopy analysis method for solving a couple of evolution equations and comparison with Adomian's decomposition method. <i>Waves in Random and Complex Media</i> , <b>2011</b> , 21, 657-667	1.9	5
59	Differential Transform Method: A Tool for Solving Fuzzy Differential Equations. <i>International Journal of Applied and Computational Mathematics</i> , <b>2018</b> , 4, 1	1.3	5



58	Analysis of Riccati Differential Equations within a New Fractional Derivative without Singular Kernel. <i>Fundamenta Informaticae</i> , <b>2017</b> , 151, 161-171	1	4
57	Fractional calculus in data fitting. <i>AEJ - Alexandria Engineering Journal</i> , <b>2020</b> , 59, 3269-3274	6.1	4
56	Fractional calculus: theory and numerical methods. <i>Open Physics</i> , <b>2013</b> , 11,	1.3	4
55	Picard Successive Approximation Method for Solving Differential Equations Arising in Fractal Heat Transfer with Local Fractional Derivative. <i>Abstract and Applied Analysis</i> , <b>2014</b> , 2014, 1-5	0.7	4
54	A Comparison between Adomian's Polynomials and He's Polynomials for Nonlinear Functional Equations. <i>Mathematical Problems in Engineering</i> , <b>2013</b> , 2013, 1-4	1.1	4
53	Application of variational iteration method for modified Camassa-Holm and Degasperis-Procesi equations. <i>Numerical Methods for Partial Differential Equations</i> , <b>2010</b> , 26, 1033-1039	2.5	4
52	Lie symmetry reductions and conservation laws for fractional order coupled KdV system. <i>Advances in Difference Equations</i> , <b>2020</b> , 2020,	3.6	4
51	OPTIMAL SYSTEM AND SYMMETRY REDUCTION OF THE (1+1) DIMENSIONAL SAWADA-KOTERA EQUATION. <i>International Journal of Pure and Applied Mathematics</i> , <b>2016</b> , 108,		4
50	An effective approach to solve a system fractional differential equations. <i>AEJ - Alexandria Engineering Journal</i> , <b>2020</b> , 59, 3213-3219	6.1	4
49	Numerical treatment of a fractional order system of nonlinear stochastic delay differential equations using a computational scheme. <i>Chaos, Solitons and Fractals</i> , <b>2021</b> , 149, 111018	9.3	4
48	A Decomposition Method for Solving the Fractional Davey-Stewartson Equations. <i>International Journal of Applied and Computational Mathematics</i> , <b>2015</b> , 1, 559-568	1.3	3
47	LOCAL FRACTIONAL VARIATIONAL ITERATION METHOD FOR SOLVING VOLTERRA INTEGRO-DIFFERENTIAL EQUATIONS WITHIN LOCAL FRACTIONAL OPERATORS. <i>Journal of Mathematics and Statistics</i> , <b>2014</b> , 10, 401-407	0.3	3
46	Exact Solutions of Equation Using Lie Symmetry Approach along with the Simplest Equation and Exp-Function Methods. <i>Abstract and Applied Analysis</i> , <b>2012</b> , 2012, 1-7	0.7	3
45	Analysis of nonlinear oscillation systems using He's variational approach. <i>Journal of Physics: Conference Series</i> , <b>2008</b> , 96, 012077	0.3	3
44	Towards new general double integral transform and its applications to differential equations. <i>Mathematical Methods in the Applied Sciences</i> , <b>2021</b> ,	2.3	3
43	An operational matrix for solving time-fractional order Cahn-Hilliard equation. <i>Thermal Science</i> , <b>2019</b> , 23, 2045-2052	1.2	3
42	Fractional calculus for modeling unconfined groundwater <b>2019</b> , 119-138		3
41	The Numerical Strategy of Tempered Fractional Derivative in European Double Barrier Option. <i>Fractals</i> , <b>2021</b> ,	3.2	3

40	Numerical simulation of the nonlinear fractional regularized long-wave model arising in ion acoustic plasma waves. <i>Discrete and Continuous Dynamical Systems - Series S</i> , <b>2021</b> , 14, 3685	2.8	3
39	Reductions and conservation laws for BBM and modified BBM equations. <i>Open Mathematics</i> , <b>2016</b> , 14, 1138-1148	0.8	2
38	An Adaptive Collocation Method for Solving Delay Fractional Differential Equations. <i>International Journal of Applied and Computational Mathematics</i> , <b>2019</b> , 5, 1	1.3	2
37	Homotopy analysis method for solving Abel differential equation of fractional order. <i>Open Physics</i> , <b>2013</b> , 11,	1.3	2
36	Application of Homotopy Perturbation Method for Heat and Mass Transfer in the Two-Dimensional Unsteady Flow Between Parallel Plates. <i>International Journal of Applied and Computational Mathematics</i> , <b>2017</b> , 3, 1677-1688	1.3	2
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