

Hossein Jafari

List of Publications by Year in descending order

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191
papers

5,815
citations

76322

40
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98792

67
g-index

194
all docs

194
docs citations

194
times ranked

2135
citing authors

#	ARTICLE	IF	CITATIONS
1	An iterative method for solving nonlinear functional equations. Journal of Mathematical Analysis and Applications, 2006, 316, 753-763.	1.0	370
2	Adomian decomposition: a tool for solving a system of fractional differential equations. Journal of Mathematical Analysis and Applications, 2005, 301, 508-518.	1.0	256
3	Solving a multi-order fractional differential equation using adomian decomposition. Applied Mathematics and Computation, 2007, 189, 541-548.	2.2	186
4	Solving a system of nonlinear fractional differential equations using Adomian decomposition. Journal of Computational and Applied Mathematics, 2006, 196, 644-651.	2.0	154
5	Application of Legendre wavelets for solving fractional differential equations. Computers and Mathematics With Applications, 2011, 62, 1038-1045.	2.7	149
6	Homotopy analysis method for solving linear and nonlinear fractional diffusion-wave equation. Communications in Nonlinear Science and Numerical Simulation, 2009, 14, 2006-2012.	3.3	134
7	A new approach for solving multi variable orders differential equations with Mittag-Leffler kernel. Chaos, Solitons and Fractals, 2020, 130, 109405.	5.1	125
8	Solving linear and nonlinear fractional diffusion and wave equations by Adomian decomposition. Applied Mathematics and Computation, 2006, 180, 488-497.	2.2	124
9	Solving fractional diffusion and wave equations by modified homotopy perturbation method. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 370, 388-396.	2.1	124
10	Analysis of a system of nonautonomous fractional differential equations involving Caputo derivatives. Journal of Mathematical Analysis and Applications, 2007, 328, 1026-1033.	1.0	117
11	A new approach for solving a system of fractional partial differential equations. Computers and Mathematics With Applications, 2013, 66, 838-843.	2.7	114
12	Solving a system of nonlinear fractional partial differential equations using homotopy analysis method. Communications in Nonlinear Science and Numerical Simulation, 2009, 14, 1962-1969.	3.3	109
13	Positive solutions of nonlinear fractional boundary value problems using Adomian decomposition method. Applied Mathematics and Computation, 2006, 180, 700-706.	2.2	102
14	Application of the Laplace decomposition method for solving linear and nonlinear fractional diffusion-wave equations. Applied Mathematics Letters, 2011, 24, 1799-1805.	2.7	97
15	Revised Adomian decomposition method for solving a system of nonlinear equations. Applied Mathematics and Computation, 2006, 175, 1-7.	2.2	90
16	Optical Solitons in Photonic Nano Waveguides with an Improved Nonlinear Schrödinger's Equation. Journal of Computational and Theoretical Nanoscience, 2013, 10, 1182-1191.	0.4	89
17	Analytical solutions of the Gerdjikov-Ivanov equation by using $\exp(\hat{t}^{1/4})$ -expansion method. Optik, 2017, 139, 72-76.	2.9	85
18	A numerical study of fractional rheological models and fractional Newell-Whitehead-Segel equation with non-local and non-singular kernel. Chinese Journal of Physics, 2020, 68, 308-320.	3.9	85

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19	A new general integral transform for solving integral equations. Journal of Advanced Research, 2021, 32, 133-138.	9.5	74
20	A modified variational iteration method for solving fractional Riccati differential equation by Adomian polynomials. Fractional Calculus and Applied Analysis, 2013, 16, 109-122.	2.2	61
21	Numerical solutions of time-fractional Klein-Gordon equations by clique polynomials. AEJ - Alexandria Engineering Journal, 2021, 60, 4563-4571.	6.4	60
22	Fractional variational iteration method via modified Riemannâ€“Liouville derivative. Journal of King Saud University - Science, 2011, 23, 413-417.	3.5	59
23	Local Fractional Adomian Decomposition and Function Decomposition Methods for Laplace Equation within Local Fractional Operators. Advances in Mathematical Physics, 2014, 2014, 1-7.	0.8	59
24	Numerical approach of Fokkerâ€“Planck equation with Caputoâ€“Fabrizio fractional derivative using Ritz approximation. Journal of Computational and Applied Mathematics, 2018, 339, 367-373.	2.0	59
25	Homotopy analysis method for solving multi-term linear and nonlinear diffusionâ€“wave equations of fractional order. Computers and Mathematics With Applications, 2010, 59, 1337-1344.	2.7	58
26	Fractional Lie group method of the time-fractional Boussinesq equation. Nonlinear Dynamics, 2015, 81, 1569-1574.	5.2	58
27	Reduced differential transform method for partial differential equations within local fractional derivative operators. Advances in Mechanical Engineering, 2016, 8, 168781401663301.	1.6	56
28	A fractional order HIV/AIDS model based on the effect of screening of unaware infectives. Mathematical Methods in the Applied Sciences, 2019, 42, 2334-2343.	2.3	56
29	Numerical solution of variable order fractional nonlinear quadratic integro-differential equations based on the sixth-kind Chebyshev collocation method. Journal of Computational and Applied Mathematics, 2020, 377, 112908.	2.0	56
30	Application of a Homogeneous Balance Method to Exact Solutions of Nonlinear Fractional Evolution Equations. Journal of Computational and Nonlinear Dynamics, 2014, 9, .	1.2	55
31	A mathematical model and numerical solution for brain tumor derived using fractional operator. Results in Physics, 2021, 28, 104671.	4.1	50
32	Operational matrix for Atanganaâ€“Baleanu derivative based on Genocchi polynomials for solving FDEs. Chaos, Solitons and Fractals, 2020, 135, 109736.	5.1	49
33	On existence results for solutions of a coupled system of hybrid boundary value problems with hybrid conditions. Advances in Difference Equations, 2015, 2015, .	3.5	48
34	A numerical study of fractional order population dynamics model. Results in Physics, 2021, 27, 104456.	4.1	48
35	Stability of a finite volume element method for the timeâ€“fractional advectionâ€“diffusion equation. Numerical Methods for Partial Differential Equations, 2018, 34, 1459-1471.	3.6	46
36	A new approach for solving integro-differential equations of variable order. Journal of Computational and Applied Mathematics, 2020, 379, 112946.	2.0	46

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37	Solving FDEs with Caputo-Fabrizio derivative by operational matrix based on Genocchi polynomials. <i>Mathematical Methods in the Applied Sciences</i> , 2018, 41, 9134-9141.	2.3	44
38	Numerical analysis of the fractional evolution model for heat flow in materials with memory. <i>Alexandria Engineering Journal</i> , 2020, 59, 2627-2637.	6.4	44
39	Fractional complex transform method for wave equations on Cantor sets within local fractional differential operator. <i>Advances in Difference Equations</i> , 2013, 2013, .	3.5	43
40	He's Variational Iteration Method for Solving Fractional Riccati Differential Equation. <i>International Journal of Differential Equations</i> , 2010, 2010, 1-8.	0.8	42
41	Fractional Subequation Method for Cahn-Hilliard and Klein-Gordon Equations. <i>Abstract and Applied Analysis</i> , 2013, 2013, 1-5.	0.7	41
42	Existence criterion for the solutions of fractional order p-Laplacian boundary value problems. <i>Boundary Value Problems</i> , 2015, 2015, .	0.7	40
43	Solving a fourth-order fractional diffusion-wave equation in a bounded domain by decomposition method. <i>Numerical Methods for Partial Differential Equations</i> , 2008, 24, 1115-1126.	3.6	39
44	Damped wave equation and dissipative wave equation in fractal strings within the local fractional variational iteration method. <i>Fixed Point Theory and Applications</i> , 2013, 2013, .	1.1	39
45	Dark solitons of the Biswas-Milovic equation by the first integral method. <i>Optik</i> , 2013, 124, 3929-3932.	2.9	39
46	Laplace homotopy perturbation method for Burgers equation with space- and time-fractional order. <i>Open Physics</i> , 2016, 14, 247-252.	1.7	39
47	Revised Adomian decomposition method for solving systems of ordinary and fractional differential equations. <i>Applied Mathematics and Computation</i> , 2006, 181, 598-608.	2.2	38
48	A new numerical scheme for solving pantograph type nonlinear fractional integro-differential equations. <i>Journal of King Saud University - Science</i> , 2021, 33, 101185.	3.5	38
49	The first integral method and traveling wave solutions to Davey-Stewartson equation. <i>Nonlinear Analysis: Modelling and Control</i> , 2012, 17, 182-193.	1.6	38
50	Solving a multi-order fractional differential equation using homotopy analysis method. <i>Journal of King Saud University - Science</i> , 2011, 23, 151-155.	3.5	36
51	Helmholtz and Diffusion Equations Associated with Local Fractional Derivative Operators Involving the Cantorian and Cantor-Type Cylindrical Coordinates. <i>Advances in Mathematical Physics</i> , 2013, 2013, 1-5.	0.8	36
52	Mathematical models of HIV/AIDS and drug addiction in prisons. <i>European Physical Journal Plus</i> , 2020, 135, 1.	2.6	36
53	A Novel Approach for Solving an Inverse Reaction-Diffusion-Convection Problem. <i>Journal of Optimization Theory and Applications</i> , 2019, 183, 688-704.	1.5	34
54	A mathematical model to examine the effect of quarantine on the spread of coronavirus. <i>Chaos, Solitons and Fractals</i> , 2021, 142, 110418.	5.1	34

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55	ON THE APPROXIMATE SOLUTIONS FOR A SYSTEM OF COUPLED KORTEWEGâ€“DE VRIES EQUATIONS WITH LOCAL FRACTIONAL DERIVATIVE. <i>Fractals</i> , 2021, 29, 2140012.	3.7	34
56	Mathematical analysis of a stochastic model for spread of Coronavirus. <i>Chaos, Solitons and Fractals</i> , 2021, 145, 110788.	5.1	34
57	A numerical approach for solving fractional optimal control problems with mittag-leffler kernel. <i>JVC/Journal of Vibration and Control</i> , 2022, 28, 2596-2606.	2.6	34
58	Numerical evaluation of fractional Tricomi-type model arising from physical problems of gas dynamics. <i>Journal of Advanced Research</i> , 2020, 25, 205-216.	9.5	33
59	A novel numerical manner for twoâ€“dimensional space fractional diffusion equation arising in transport phenomena. <i>Numerical Methods for Partial Differential Equations</i> , 2021, 37, 1397-1406.	3.6	33
60	The Yang-Laplace Transform for Solving the IVPs with Local Fractional Derivative. <i>Abstract and Applied Analysis</i> , 2014, 2014, 1-5.	0.7	32
61	Travelling wave solutions of nonlinear evolution equations using the simplest equation method. <i>Computers and Mathematics With Applications</i> , 2012, 64, 2084-2088.	2.7	30
62	Numerical computation of the time non-linear fractional generalized equal width model arising in shallow water channel. <i>Thermal Science</i> , 2020, 24, 49-58.	1.1	30
63	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> , 2013, 66, 785-794.	2.7	29
64	A Numerical Approach for Fractional Order Riccati Differential Equation Using B-Spline Operational Matrix. <i>Fractional Calculus and Applied Analysis</i> , 2015, 18, 387-399.	2.2	29
65	Derivation of a fractional Boussinesq equation for modelling unconfined groundwater. <i>European Physical Journal: Special Topics</i> , 2013, 222, 1805-1812.	2.6	28
66	Numerical Solution of Nonlinear Reactionâ€“Advectionâ€“Diffusion Equation. <i>Journal of Computational and Nonlinear Dynamics</i> , 2019, 14, .	1.2	28
67	The variational iteration method for solving n-th order fuzzy differential equations. <i>Open Physics</i> , 2012, 10, .	1.7	27
68	An analytical approach to obtain exact solutions of some space-time conformable fractional differential equations. <i>Advances in Difference Equations</i> , 2019, 2019, .	3.5	27
69	New solitary wave solutions for the bad Boussinesq and good Boussinesq equations. <i>Numerical Methods for Partial Differential Equations</i> , 2009, 25, 1231-1237.	3.6	26
70	Results for Mild solution of fractional coupled hybrid boundary value problems. <i>Open Mathematics</i> , 2015, 13, .	1.0	26
71	Study of fractional order Van der Pol equation. <i>Journal of King Saud University - Science</i> , 2016, 28, 55-60.	3.5	26
72	A Numerical Approach for Multi-variable Orders Differential Equations Using Jacobi Polynomials. <i>International Journal of Applied and Computational Mathematics</i> , 2019, 5, 1.	1.6	26

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73	Reduced differential transform and variational iteration methods for 3-D diffusion model in fractal heat transfer within local fractional operators. <i>Thermal Science</i> , 2018, 22, 301-307.	1.1	26
74	On the Approximate Solutions of Local Fractional Differential Equations with Local Fractional Operators. <i>Entropy</i> , 2016, 18, 150.	2.2	25
75	A new numerical method to solve pantograph delay differential equations with convergence analysis. <i>Advances in Difference Equations</i> , 2021, 2021, .	3.5	24
76	On the Exact Solution of Wave Equations on Cantor Sets. <i>Entropy</i> , 2015, 17, 6229-6237.	2.2	23
77	A numerical approach for solving variable order differential equations based on Bernstein polynomials. <i>Computational and Mathematical Methods</i> , 2019, 1, e1055.	0.8	22
78	A decomposition method for solving diffusion equations via local fractional time derivative. <i>Thermal Science</i> , 2015, 19, 123-129.	1.1	22
79	A numerical scheme to solve variable order diffusion-wave equations. <i>Thermal Science</i> , 2019, 23, 2063-2071.	1.1	22
80	Numerical method for the wave and nonlinear diffusion equations with the homotopy perturbation method. <i>Computers and Mathematics With Applications</i> , 2009, 57, 1226-1231.	2.7	21
81	Fractional sub-equation method for the fractional generalized reaction Duffing model and nonlinear fractional Sharma-Tasso-Olver equation. <i>Open Physics</i> , 2013, 11, .	1.7	21
82	A comparison between the variational iteration method and the successive approximations method. <i>Applied Mathematics Letters</i> , 2014, 32, 1-5.	2.7	21
83	On the Existence and Uniqueness of Solutions for Local Fractional Differential Equations. <i>Entropy</i> , 2016, 18, 420.	2.2	21
84	Numerical solutions of multi-order fractional differential equations by Boubaker polynomials. <i>Open Physics</i> , 2016, 14, 226-230.	1.7	21
85	Numerical Solution of Time-Fractional Kleinâ€“Gordon Equation by Using the Decomposition Methods. <i>Journal of Computational and Nonlinear Dynamics</i> , 2016, 11, .	1.2	21
86	A new method for calculating general lagrange multiplier in the variational iteration method. <i>Numerical Methods for Partial Differential Equations</i> , 2011, 27, 996-1001.	3.6	20
87	An algorithm for the numerical solution of nonlinear fractional-order Van der Pol oscillator equation. <i>Mathematical and Computer Modelling</i> , 2012, 55, 1782-1786.	2.0	19
88	On the existence of solution for fractional differential equations of order $3 < \hat{1} \hat{\%} 4$ $\$3\<\delta_{1}\leq4\$$. <i>Advances in Difference Equations</i> , 2015, 2015, .	3.5	19
89	Numerical solution of multi-variable order fractional integro-differential equations using the Bernstein polynomials. <i>Engineering With Computers</i> , 2020, , 1.	6.1	19
90	Local fractional system for economic order quantity using entropy solution. <i>Advances in Difference Equations</i> , 2019, 2019, .	3.5	18

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91	A Collocation Approach for Solving Time-Fractional Stochastic Heat Equation Driven by an Additive Noise. <i>Symmetry</i> , 2020, 12, 904.	2.2	18
92	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> , 2021, 14, 3685.	1.1	17
93	A new approach for solving nonlinear Volterra integro-differential equations with Mittag-Leffler kernel. <i>Proceedings of the Institute of Mathematics and Mechanics</i> , 2020, 46, 144-158.	0.2	17
94	The homotopy analysis method for solving higher dimensional initial boundary value problems of variable coefficients. <i>Numerical Methods for Partial Differential Equations</i> , 2010, 26, 1021-1032.	3.6	16
95	Homotopy Perturbation Pade Technique for Solving Fractional Riccati Differential Equations. <i>International Journal of Nonlinear Sciences and Numerical Simulation</i> , 2010, 11, .	1.0	16
96	The G^2/G -expansion method for solutions of evolution equations from isothermal magnetostatic atmospheres. <i>Journal of King Saud University - Science</i> , 2013, 25, 57-62.	3.5	16
97	SOLUTION OF THE LOCAL FRACTIONAL GENERALIZED KDV EQUATION USING HOMOTOPY ANALYSIS METHOD. <i>Fractals</i> , 2021, 29, 2140014.	3.7	16
98	New general integral transform via Atangana-Baleanu derivatives. <i>Advances in Difference Equations</i> , 2021, 2021, .	3.5	16
99	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> , 2016, 40, 1467-1476.	4.2	15
100	New solitary wave solutions for generalized regularized long-wave equation. <i>International Journal of Computer Mathematics</i> , 2010, 87, 509-514.	1.8	14
101	Variational Iteration Method for a Fractional-Order Brusselator System. <i>Abstract and Applied Analysis</i> , 2014, 2014, 1-6.	0.7	14
102	On comparison between iterative methods for solving nonlinear optimal control problems. <i>JVC/Journal of Vibration and Control</i> , 2016, 22, 2281-2287.	2.6	14
103	Computational method based on Bernstein operational matrices for multi-order fractional differential equations. <i>Filomat</i> , 2014, 28, 591-601.	0.5	14
104	Group classification of the time-fractional Kaup-Kupershmidt equation. <i>Scientia Iranica</i> , 2017, 24, 302-307.	0.4	14
105	Towards new general double integral transform and its applications to differential equations. <i>Mathematical Methods in the Applied Sciences</i> , 2022, 45, 1916-1933.	2.3	14
106	Exact solutions of two nonlinear partial differential equations by using the first integral method. <i>Boundary Value Problems</i> , 2013, 2013, .	0.7	13
107	The Bernstein Operational Matrices for Solving the Fractional Quadratic Riccati Differential Equations with the Riemann-Liouville Derivative. <i>Abstract and Applied Analysis</i> , 2013, 2013, 1-7.	0.7	13
108	On a final value problem for a nonlinear fractional pseudo-parabolic equation. <i>Electronic Research Archive</i> , 2021, 29, 1709-1734.	0.9	13

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109	New method for solving a class of fractional partial differential equations with applications. <i>Thermal Science</i> , 2018, 22, 277-286.	1.1	13
110	On a Numerical Approach to Solve Multi-Order Fractional Differential Equations With Initial/Boundary Conditions. <i>Journal of Computational and Nonlinear Dynamics</i> , 2015, 10, .	1.2	12
111	Solution of Higher Order Nonlinear Time-Fractional Reaction Diffusion Equation. <i>Entropy</i> , 2016, 18, 329.	2.2	12
112	Approximate Analytical Solution of a Coupled System of Fractional Partial Differential Equations by Bernstein Polynomials. <i>International Journal of Applied and Computational Mathematics</i> , 2016, 2, 85-96.	1.6	12
113	A new algorithm for solving dynamic equations on a time scale. <i>Journal of Computational and Applied Mathematics</i> , 2017, 312, 167-173.	2.0	12
114	Error estimate of the MQ-RBF collocation method for fractional differential equations with Caputo's derivative. <i>Mathematical Sciences</i> , 2017, 11, 297-305.	1.7	12
115	A semi-analytical approach for fractional order Boussinesq equation in a gradient unconfined aquifers. <i>Mathematical Methods in the Applied Sciences</i> , 0, , .	2.3	12
116	A stable collocation approach to solve a neutral delay stochastic differential equation of fractional order. <i>Journal of Computational and Applied Mathematics</i> , 2022, 403, 113845.	2.0	12
117	Numerical treatment of a fractional order system of nonlinear stochastic delay differential equations using a computational scheme. <i>Chaos, Solitons and Fractals</i> , 2021, 149, 111018.	5.1	11
118	More efficient estimates via $\hat{\alpha}$ -discrete fractional calculus theory and applications. <i>Chaos, Solitons and Fractals</i> , 2021, 147, 110981.	5.1	10
119	Complex B-spline Collocation method for solving weakly singular Volterra integral equations of the second kind. <i>Miskolc Mathematical Notes</i> , 2015, 16, 1091-1103.	0.6	10
120	Homotopy analysis method for solving Abel differential equation of fractional order. <i>Open Physics</i> , 2013, 11, .	1.7	8
121	Numerical solution of fractional differential equations by using fractional B-spline. <i>Open Physics</i> , 2013, 11, .	1.7	8
122	Analytical Solutions of the One-Dimensional Heat Equations Arising in Fractal Transient Conduction with Local Fractional Derivative. <i>Abstract and Applied Analysis</i> , 2013, 2013, 1-5.	0.7	8
123	Numerical Solutions of the Nonlinear Fractional-Order Brusselator System by Bernstein Polynomials. <i>Scientific World Journal</i> , The, 2014, 2014, 1-7.	2.1	8
124	Stability of Dirac Equation in Four-Dimensional Gravity. <i>Chinese Physics Letters</i> , 2017, 34, 060301.	3.3	8
125	Solution of time-fractional Cahn-Hilliard equation with reaction term using homotopy analysis method. <i>Advances in Mechanical Engineering</i> , 2017, 9, 168781401774077.	1.6	8
126	Fractional calculus in data fitting. <i>AEJ - Alexandria Engineering Journal</i> , 2020, 59, 3269-3274.	6.4	8

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127	THE NUMERICAL STRATEGY OF TEMPERED FRACTIONAL DERIVATIVE IN EUROPEAN DOUBLE BARRIER OPTION. <i>Fractals</i> , 2022, 30, .	3.7	8
128	Analytical method to solve the local fractional vehicular traffic flow model. <i>Mathematical Methods in the Applied Sciences</i> , 2022, 45, 3983-4001.	2.3	8
129	Partial Fractional Equations and Their Applications. <i>Mathematical Problems in Engineering</i> , 2015, 2015, 1-1.	1.1	7
130	Fractional derivative generalization of Noether's theorem. <i>Open Mathematics</i> , 2015, 13, .	1.0	7
131	Analysis of Riccati Differential Equations within a New Fractional Derivative without Singular Kernel. <i>Fundamenta Informaticae</i> , 2017, 151, 161-171.	0.4	7
132	Differential Transform Method: A Tool for Solving Fuzzy Differential Equations. <i>International Journal of Applied and Computational Mathematics</i> , 2018, 4, 1.	1.6	7
133	Picard Successive Approximation Method for Solving Differential Equations Arising in Fractal Heat Transfer with Local Fractional Derivative. <i>Abstract and Applied Analysis</i> , 2014, 2014, 1-5.	0.7	6
134	Local Fractional Variational Iteration Method for Local Fractional Poisson Equations in Two Independent Variables. <i>Abstract and Applied Analysis</i> , 2014, 2014, 1-7.	0.7	6
135	Mathematical Models Arising in the Fractal Forest Gap via Local Fractional Calculus. <i>Abstract and Applied Analysis</i> , 2014, 2014, 1-6.	0.7	6
136	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> , 2017, 3, 1677-1688.	1.6	6
137	On an initial value problem for time fractional pseudo-parabolic equation with Caputo derivative. <i>Mathematical Methods in the Applied Sciences</i> , 0, , .	2.3	6
138	Lie symmetry reductions and conservation laws for fractional order coupled KdV system. <i>Advances in Difference Equations</i> , 2020, 2020, .	3.5	6
139	OPTIMAL SYSTEM AND SYMMETRY REDUCTION OF THE (1+1) DIMENSIONAL SAWADA-KOTERA EQUATION. <i>International Journal of Pure and Applied Mathematics</i> , 2016, 108, .	0.2	6
140	An operational matrix for solving time-fractional order Cahn-Hilliard equation. <i>Thermal Science</i> , 2019, 23, 2045-2052.	1.1	6
141	Operational matrices based on the shifted fifth-kind Chebyshev polynomials for solving nonlinear variable order integro-differential equations. <i>Advances in Difference Equations</i> , 2021, 2021, 435.	3.5	6
142	Application of variational iteration method for modified Camassa-Holm and Degasperis-Procesi equations. <i>Numerical Methods for Partial Differential Equations</i> , 2010, 26, 1033-1039.	3.6	5
143	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> , 2011, 21, 657-667.	2.7	5
144	Revised Variational Iteration Method for Solving Systems of Nonlinear Fractional-Order Differential Equations. <i>Abstract and Applied Analysis</i> , 2013, 2013, 1-7.	0.7	5

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145	A Decomposition Method for Solving the Fractional Davey-Stewartson Equations. International Journal of Applied and Computational Mathematics, 2015, 1, 559-568.	1.6	5
146	An effective approach to solve a system fractional differential equations. AEJ - Alexandria Engineering Journal, 2020, 59, 3213-3219.	6.4	5
147	Numerical investigation of space fractional order diffusion equation by the Chebyshev collocation method of the fourth kind and compact finite difference scheme. Discrete and Continuous Dynamical Systems - Series S, 2021, 14, 2025.	1.1	5
148	Variational Iteration Method A Tools For Solving Partial Differential Equations. Journal of Mathematics and Computer Science, 2011, 02, 388-393.	1.0	5
149	Fractional calculus for modeling unconfined groundwater. , 2019, , 119-138.		5
150	Analysis of nonlinear oscillation systems using He's variational approach. Journal of Physics: Conference Series, 2008, 96, 012077.	0.4	4
151	Fractional calculus: theory and numerical methods. Open Physics, 2013, 11, .	1.7	4
152	A Comparison between Adomian's Polynomials and He's Polynomials for Nonlinear Functional Equations. Mathematical Problems in Engineering, 2013, 2013, 1-4.	1.1	4
153	LOCAL FRACTIONAL VARIATIONAL ITERATION METHOD FOR SOLVING VOLTERRA INTEGRO-DIFFERENTIAL EQUATIONS WITHIN LOCAL FRACTIONAL OPERATORS. Journal of Mathematics and Statistics, 2014, 10, 401-407.	0.2	4
154	Reductions and conservation laws for BBM and modified BBM equations. Open Mathematics, 2016, 14, 1138-1148.	1.0	4
155	Fuzzy Malliavin derivative and linear Skorohod fuzzy stochastic differential equation. Journal of Intelligent and Fuzzy Systems, 2018, 35, 2447-2458.	1.4	4
156	On Iterative Solutions and Error Estimations of a Coupled System of Fractional Order Differential-Integral Equations with Initial and Boundary Conditions. Differential Equations and Dynamical Systems, 2020, 28, 1059-1071.	1.0	4
157	Approximate technique for solving fractional variational problems. Pramana - Journal of Physics, 2020, 94, 1.	1.8	4
158	Existence and uniqueness of the solutions of the nonlinear impulse differential equations with nonlocal boundary conditions. Quaestiones Mathematicae, 2022, 45, 1399-1412.	0.6	4
159	Lie symmetry and $\hat{1}/4$ -symmetry methods for nonlinear generalized Camassa-Holm equation. Advances in Difference Equations, 2021, 2021, .	3.5	4
160	Lie Group Theory for Nonlinear Fractional $K(m, n)$ Type Equation with Variable Coefficients. Studies in Systems, Decision and Control, 2022, , 207-227.	1.0	4
161	Numerical approach to simulate diffusion model of a fluid-flow in a porous media. Thermal Science, 2021, 25, 255-261.	1.1	4
162	Exact Solutions of $\hat{1}/4$ Equation Using Lie Symmetry Approach along with the Simplest Equation and Exp-Function Methods. Abstract and Applied Analysis, 2012, 2012, 1-7.	0.7	3

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163	Exact Travelling Wave Solutions for Isothermal Magnetostatic Atmospheres by Fan Subequation Method. <i>Abstract and Applied Analysis</i> , 2012, 2012, 1-11.	0.7	3
164	An Adaptive Collocation Method for Solving Delay Fractional Differential Equations. <i>International Journal of Applied and Computational Mathematics</i> , 2019, 5, 1.	1.6	3
165	A Decomposition Method for Solving Quaternion Differential Equations. <i>International Journal of Applied and Computational Mathematics</i> , 2020, 6, 1.	1.6	3
166	Solving fractional Advection-diffusion equation using Genocchi operational matrix based on Atangana-Baleanu derivative. <i>Discrete and Continuous Dynamical Systems - Series S</i> , 2021, 14, 3747.	1.1	3
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