

# Jagdev Singh

## List of Publications by Year in descending order

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178  
papers

6,969  
citations

61687

45  
h-index

84171

75  
g-index

181  
all docs

181  
docs citations

181  
times ranked

2409  
citing authors

#	ARTICLE	IF	CITATIONS
1	Adaptation of kernel functionsâ€based approach with Atanganaâ€Baleanuâ€Caputo distributed order derivative for solutions of fuzzy fractional Volterra and Fredholm integrodifferential equations. <i>Mathematical Methods in the Applied Sciences</i> , 2023, 46, 7807-7834.	1.2	68
2	New models of fractional blood ethanol and twoâ€cell cubic autocatalator reaction equations. <i>Mathematical Methods in the Applied Sciences</i> , 2023, 46, 7767-7778.	1.2	12
3	Reproducing kernel approach for numerical solutions of fuzzy fractional initial value problems under the Mittagâ€Leffler kernel differential operator. <i>Mathematical Methods in the Applied Sciences</i> , 2023, 46, 7965-7986.	1.2	61
4	A fractionalâ€order model of coronavirus disease 2019 (COVIDâ€19) with governmental action and individual reaction. <i>Mathematical Methods in the Applied Sciences</i> , 2023, 46, 8275-8288.	1.2	32
5	On a fractional Rayleighâ€Stokes equation driven by fractional Brownian motion. <i>Mathematical Methods in the Applied Sciences</i> , 2023, 46, 7725-7740.	1.2	2
6	Exact solutions of local fractional longitudinal wave equation in a magneto-electro-elastic circular rod in fractal media. <i>Indian Journal of Physics</i> , 2022, 96, 787-794.	0.9	12
7	On the analysis of an analytical approach for fractional Caudrey-Dodd-Gibbon equations. <i>AEJ - Alexandria Engineering Journal</i> , 2022, 61, 5073-5082.	3.4	21
8	Solving fractional PDEs by using Daftardar-Jafari method. <i>AIP Conference Proceedings</i> , 2022, , .	0.3	5
9	Solving multi-objective linear fractional transportation problem under neutrosophic environment. <i>Journal of Interdisciplinary Mathematics</i> , 2022, 25, 123-136.	0.4	5
10	The local well-posed results of Kirchhoff parabolic equation with nonlocal condition. <i>Journal of Interdisciplinary Mathematics</i> , 2022, 25, 1-14.	0.4	0
11	An efficient computational approach for nonlinear variable order fuzzy fractional partial differential equations. <i>Computational and Applied Mathematics</i> , 2022, 41, 1.	1.0	11
12	Alternate solution approach for ML-MOLFPP problems. <i>Journal of Interdisciplinary Mathematics</i> , 2022, 25, 183-194.	0.4	0
13	An efficient analytical scheme with convergence analysis for computational study of local fractional SchrÃdinger equations. <i>Mathematics and Computers in Simulation</i> , 2022, 196, 296-318.	2.4	13
14	An efficient numerical scheme for fractional model of telegraph equation. <i>AEJ - Alexandria Engineering Journal</i> , 2022, 61, 6383-6393.	3.4	11
15	Analysis of local fractional coupled Helmholtz and coupled Burgers' equations in fractal media. <i>AIMS Mathematics</i> , 2022, 7, 8080-8111.	0.7	12
16	Novel analysis of nonlinear dynamics of a fractional model for tuberculosis disease via the generalized Caputo fractional derivative operator (case study of Nigeria). <i>AIMS Mathematics</i> , 2022, 7, 10096-10121.	0.7	6
17	On Solving a MFL Paradox in Linear Plus Linear Fractional Multi- Objective Transportation Problem Using Fuzzy Approach. <i>International Journal of Applied and Computational Mathematics</i> , 2022, 8, 1.	0.9	1
18	Certain Unified Integrals Associated with Product of the General Class of Polynomials and Incomplete I-Functions. <i>International Journal of Applied and Computational Mathematics</i> , 2022, 8, 1.	0.9	5

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19	Numerical investigation of fractional model of phytoplanktonâ€“toxic phytoplanktonâ€“zooplankton system with convergence analysis. International Journal of Biomathematics, 2022, 15, .	1.5	16
20	Computational Study of a Local Fractional Tricomi Equation Occurring in Fractal Transonic Flow. Journal of Computational and Nonlinear Dynamics, 2022, 17, .	0.7	9
21	On Certain New Results of Fractional Calculus Involving Product of Generalized Special Functions. International Journal of Applied and Computational Mathematics, 2022, 8, .	0.9	5
22	An efficient computational technique for time-fractional modified Degasperis-Procesi equation arising in propagation of nonlinear dispersive waves. Journal of Ocean Engineering and Science, 2021, 6, 30-39.	1.7	30
23	An efficient computational approach for local fractional Poisson equation in fractal media. Numerical Methods for Partial Differential Equations, 2021, 37, 1439-1448.	2.0	52
24	Numerical solution of two-dimensional fractional-order reaction advection sub-diffusion equation with finite-difference Fibonacci collocation method. Mathematics and Computers in Simulation, 2021, 181, 38-50.	2.4	19
25	Computational study of fractional order smoking model. Chaos, Solitons and Fractals, 2021, 142, 110440.	2.5	29
26	Computable generalization of fractional kinetic equation with special functions. Journal of King Saud University - Science, 2021, 33, 101221.	1.6	10
27	A hybrid analytical algorithm for thin film flow problem occurring in non-Newtonian fluid mechanics. Ain Shams Engineering Journal, 2021, 12, 2297-2302.	3.5	18
28	An efficient numerical approach for fractional multidimensional diffusion equations with exponential memory. Numerical Methods for Partial Differential Equations, 2021, 37, 1631-1651.	2.0	42
29	Analysis of fractional model of guava for biological pest control with memory effect. Journal of Advanced Research, 2021, 32, 99-108.	4.4	62
30	A computational study of fractional model of atmospheric dynamics of carbon dioxide gas. Chaos, Solitons and Fractals, 2021, 142, 110375.	2.5	27
31	Well-posedness results and blow-up for a semi-linear time fractional diffusion equation with variable coefficients. Electronic Research Archive, 2021, 29, 3581-3607.	0.4	9
32	Analytical study of fractional nonlinear Schrödinger equation with harmonic oscillator. Discrete and Continuous Dynamical Systems - Series S, 2021, 14, 3589.	0.6	8
33	Class of integrals and applications of fractional kinetic equation with the generalized multi-index Bessel function. Discrete and Continuous Dynamical Systems - Series S, 2021, 14, 3803.	0.6	2
34	New aspects of fractional Bloch model associated with composite fractional derivative. Mathematical Modelling of Natural Phenomena, 2021, 16, 10.	0.9	12
35	An efficient numerical method for fractional model of allelopathic stimulatory phytoplankton species with Mittag-Leffler law. Discrete and Continuous Dynamical Systems - Series S, 2021, 14, 3577.	0.6	8
36	An efficient computational approach for fractional Bratu's equation arising in electrospinning process. Mathematical Methods in the Applied Sciences, 2021, 44, 10225-10238.	1.2	12

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37	A unifying computational framework for novel estimates involving discrete fractional calculus approaches. AEJ - Alexandria Engineering Journal, 2021, 60, 2677-2685.	3.4	24
38	New Extension of Fractional-Calculus Results Associated with Product of Certain Special Functions. International Journal of Applied and Computational Mathematics, 2021, 7, 1.	0.9	1
39	On the integral transform of Mittag-Leffler-type functions with applications. Analysis (Germany), 2021, 41, 155-162.	0.2	0
40	Analysis and dynamics of fractional order Covid-19 model with memory effect. Results in Physics, 2021, 24, 104017.	2.0	39
41	Certain New Results Involving Multivariable Aleph $\left(\aleph\right)$ -Function, Srivastava Polynomials, Hypergeometric Functions and $\text{H}$ -Function. International Journal of Applied and Computational Mathematics, 2021, 7, 1.	0.9	1
42	Modeling assumptions, optimal control strategies and mitigation through vaccination to Zika virus. Chaos, Solitons and Fractals, 2021, 150, 111137.	2.5	12
43	Application of S-Function and the Aleph Function in the Electric Circuit Theory. International Journal of Applied and Computational Mathematics, 2021, 7, 1.	0.9	1
44	A computational study of transmission dynamics for dengue fever with a fractional approach. Mathematical Modelling of Natural Phenomena, 2021, 16, 48.	0.9	2
45	Modelling Cultural Hereditary Transmission: Insight Through Optimal Control. Ecological Complexity, 2021, 45, 100890.	1.4	4
46	Novel Numerical Investigations of Fuzzy Cauchy Reaction-Diffusion Models via Generalized Fuzzy Fractional Derivative Operators. Fractal and Fractional, 2021, 5, 151.	1.6	21
47	A new analysis of fractional Drinfeld-Sokolov-Wilson model with exponential memory. Physica A: Statistical Mechanics and Its Applications, 2020, 537, 122578.	1.2	92
48	On the analysis of vibration equation involving a fractional derivative with Mittag-Leffler law. Mathematical Methods in the Applied Sciences, 2020, 43, 443-457.	1.2	177
49	Fractional modified Kawahara equation with Mittag-Leffler law. Chaos, Solitons and Fractals, 2020, 131, 109508.	2.5	52
50	Solution of nonlinear differential equation and special functions. Mathematical Methods in the Applied Sciences, 2020, 43, 2106-2116.	1.2	5
51	An Efficient Numerical Technique for Solving Time-Fractional Generalized Fisher's Equation. Frontiers in Physics, 2020, 8, .	1.0	22
52	Analytical Study for Fractional Order Mathematical Model of Concentration of $\text{Ca}^{2+}$ in Astrocytes Cell with a Composite Fractional Derivative. Journal of Multiscale Modeling, 2020, 11, .	1.0	6
53	A novel approach for nonlinear equations occurs in ion acoustic waves in plasma with Mittag-Leffler law. Engineering Computations, 2020, 37, 1865-1897.	0.7	17
54	Analysis of fractional blood alcohol model with composite fractional derivative. Chaos, Solitons and Fractals, 2020, 140, 110127.	2.5	96

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55	Fractional differential equation pertaining to an integral operator involving incomplete H-function in the kernel. <i>Mathematical Methods in the Applied Sciences</i> , 2020, , .	1.2	12
56	On the Volterra-Type Fractional Integro-Differential Equations Pertaining to Special Functions. <i>Fractal and Fractional</i> , 2020, 4, 33.	1.6	2
57	Fractional Klein-Gordon-Schrödinger equations with Mittag-Leffler memory. <i>Chinese Journal of Physics</i> , 2020, 68, 65-78.	2.0	40
58	An efficient computational method for local fractional transport equation occurring in fractal porous media. <i>Computational and Applied Mathematics</i> , 2020, 39, 1.	1.0	48
59	An efficient computational approach for a fractional-order biological population model with carrying capacity. <i>Chaos, Solitons and Fractals</i> , 2020, 138, 109880.	2.5	90
60	MHD flow of a generalized Casson fluid with Newtonian heating: A fractional model with Mittag-Leffler memory. <i>AEJ - Alexandria Engineering Journal</i> , 2020, 59, 3049-3059.	3.4	35
61	An Efficient Analytical Technique for Time-Fractional Parabolic Partial Differential Equations. <i>Frontiers in Physics</i> , 2020, 8, .	1.0	7
62	Fractional Kinetic Equations Associated with Incomplete I-Functions. <i>Fractal and Fractional</i> , 2020, 4, 19.	1.6	12
63	On the Solutions of a Class of Integral Equations Pertaining to Incomplete H-Function and Incomplete H-Function. <i>Mathematics</i> , 2020, 8, 819.	1.1	11
64	A new analysis of fractional fish farm model associated with Mittag-Leffler-type kernel. <i>International Journal of Biomathematics</i> , 2020, 13, 2050010.	1.5	97
65	An efficient numerical approach for space fractional partial differential equations. <i>AEJ - Alexandria Engineering Journal</i> , 2020, 59, 2911-2919.	3.4	8
66	A computational approach for solving time fractional differential equation via spline functions. <i>AEJ - Alexandria Engineering Journal</i> , 2020, 59, 3061-3078.	3.4	43
67	Analytical study for MHD flow of Williamson nanofluid with the effects of variable thickness, nonlinear thermal radiation and improved Fourier's and Fick's Laws. <i>SN Applied Sciences</i> , 2020, 2, 1.	1.5	46
68	Certain fractional calculus and integral transform results of incomplete $\hat{a}, \mu$ -functions with applications. <i>Mathematical Methods in the Applied Sciences</i> , 2020, 43, 5602-5614.	1.2	20
69	An efficient numerical scheme for fractional model of HIV-1 infection of $CD_4$ T-cells with the effect of antiviral drug therapy. <i>AEJ - Alexandria Engineering Journal</i> , 2020, 59, 2053-2064.	3.4	8
70	Representation theorems for the Mexican hat wavelet transform. <i>Mathematical Methods in the Applied Sciences</i> , 2020, 43, 3914.	1.2	5
71	An Efficient Numerical Method for Fractional SIR Epidemic Model of Infectious Disease by Using Bernstein Wavelets. <i>Mathematics</i> , 2020, 8, 558.	1.1	145
72	Higher order B-spline differential quadrature rule to approximate generalized Rosenau-RLW equation. <i>Mathematical Methods in the Applied Sciences</i> , 2020, 43, 6812-6822.	1.2	5

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73	An efficient computational technique for local fractional Fokker Planck equation. Physica A: Statistical Mechanics and Its Applications, 2020, 555, 124525.	1.2	71
74	New Aspects of Fractional Epidemiological Model for Computer Viruses with Mittag-Leffler Law. Forum for Interdisciplinary Mathematics, 2020, , 283-301.	0.8	3
75	Fractional order continuity of a time semi-linear fractional diffusion-wave system. AEJ - Alexandria Engineering Journal, 2020, 59, 4959-4968.	3.4	23
76	An Efficient Computational Technique for Fractional Model of Generalized Hirota-Satsuma-Coupled Korteweg-de Vries and Coupled Modified Korteweg-de Vries Equations. Journal of Computational and Nonlinear Dynamics, 2020, 15, .	0.7	38
77	Analytical approach for fractional extended Fisher-Kolmogorov equation with Mittag-Leffler kernel. Advances in Difference Equations, 2020, 2020, .	3.5	22
78	An efficient computational scheme for nonlinear time fractional systems of partial differential equations arising in physical sciences. Advances in Difference Equations, 2020, 2020, .	3.5	35
79	Solution for fractional forced KdV equation using fractional natural decomposition method. AIMS Mathematics, 2020, 5, 798-810.	0.7	43
80	Numerical computation of fractional Kersten-Krasilshchik coupled KdV-mKdV system occurring in multi-component plasmas. AIMS Mathematics, 2020, 5, 2346-2368.	0.7	41
81	Heat and mass transfer of fractional second grade fluid with slippage and ramped wall temperature using Caputo-Fabrizio fractional derivative approach. AIMS Mathematics, 2020, 5, 3056-3088.	0.7	28
82	A comparative study for fractional chemical kinetics and carbon dioxide $\text{CO}_2$ absorbed into phenyl glycidyl ether problems. AIMS Mathematics, 2020, 5, 3201-3222.	0.7	11
83	Some new results for the Srivastava-Luo-Raina $\mathbb{M}$ -transform pertaining to the incomplete $\mathbb{H}$ -functions. AIMS Mathematics, 2020, 5, 717-722.	0.7	6
84	An Efficient Computational Technique for Nonlinear Emden-Fowler Equations Arising in Astrophysics and Space Science. Advances in Intelligent Systems and Computing, 2020, , 76-98.	0.5	1
85	A reliable analytical approach for a fractional model of advection-dispersion equation. Nonlinear Engineering, 2019, 8, 107-116.	1.4	30
86	A new fractional SIRS-SI malaria disease model with application of vaccines, antimalarial drugs, and spraying. Advances in Difference Equations, 2019, 2019, .	3.5	110
87	Magnetohydrodynamic three-dimensional boundary layer flow and heat transfer of water-driven copper and alumina nanoparticles induced by convective conditions. International Journal of Modern Physics B, 2019, 33, 1950307.	1.0	21
88	An efficient analytical technique for fractional partial differential equations occurring in ion acoustic waves in plasma. Journal of Ocean Engineering and Science, 2019, 4, 85-99.	1.7	71
89	A new analysis for fractional rumor spreading dynamical model in a social network with Mittag-Leffler law. Chaos, 2019, 29, 013137.	1.0	60
90	Numerical study of fractional model of multi-dimensional dispersive partial differential equation. Journal of Ocean Engineering and Science, 2019, 4, 338-351.	1.7	14

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91	A reliable numerical algorithm for fractional advection–dispersion equation arising in contaminant transport through porous media. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 527, 121077.	1.2	22
92	A new fractional exothermic reactions model having constant heat source in porous media with power, exponential and Mittag-Leffler laws. <i>International Journal of Heat and Mass Transfer</i> , 2019, 138, 1222-1227.	2.5	193
93	An efficient analytical approach for fractional equal width equations describing hydro-magnetic waves in cold plasma. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 524, 563-575.	1.2	159
94	A hybrid analytical algorithm for nonlinear fractional wave-like equations. <i>Mathematical Modelling of Natural Phenomena</i> , 2019, 14, 304.	0.9	86
95	New aspects of fractional Biswas–Milovic model with Mittag-Leffler law. <i>Mathematical Modelling of Natural Phenomena</i> , 2019, 14, 303.	0.9	121
96	Analytical Solution of Generalized Space-Time Fractional Advection-Dispersion Equation via Coupling of Sumudu and Fourier Transforms. <i>Frontiers in Physics</i> , 2019, 6, .	1.0	17
97	Impact of generalized Fourier’s law and Fick’s law for MHD flow of $Ag_2O$ and $TiO_2$ nanomaterials. <i>Multidiscipline Modeling in Materials and Structures</i> , 2019, 15, 1075-1099.	0.6	11
98	Fractional Approach for Equation Describing the Water Transport in Unsaturated Porous Media With Mittag-Leffler Kernel. <i>Frontiers in Physics</i> , 2019, 7, .	1.0	26
99	Mathematical modelling of internal blood pressure involving incomplete $H$ -functions. <i>Journal of Interdisciplinary Mathematics</i> , 2019, 22, 1213-1221.	0.4	2
100	Application of incomplete $H$ -functions in determination of Lambert’s law. <i>Journal of Interdisciplinary Mathematics</i> , 2019, 22, 1205-1212.	0.4	7
101	Certain Unified Integrals Associated with Product of M-Series and Incomplete H-functions. <i>Mathematics</i> , 2019, 7, 1191.	1.1	11
102	On the local fractional wave equation in fractal strings. <i>Mathematical Methods in the Applied Sciences</i> , 2019, 42, 1588-1595.	1.2	84
103	ADMP: A Maple Package for Symbolic Computation and Error Estimating to Singular Two-Point Boundary Value Problems with Initial Conditions. <i>Proceedings of the National Academy of Sciences India Section A - Physical Sciences</i> , 2019, 89, 405-414.	0.8	9
104	A hybrid computational approach for Jeffery–Hamel flow in non-parallel walls. <i>Neural Computing and Applications</i> , 2019, 31, 2407-2413.	3.2	29
105	Fractional Order Integration and Certain Integrals of Generalized Multiindex Bessel Function. <i>Springer Proceedings in Mathematics and Statistics</i> , 2019, , 155-167.	0.1	2
106	Numerical Simulation for System of Time-Fractional Linear and Nonlinear Differential Equations. <i>Progress in Fractional Differentiation and Applications</i> , 2019, 5, 65-77.	1.1	34
107	Numerical study for fractional model of non-linear predator-prey biological population dynamical system. <i>Thermal Science</i> , 2019, 23, 2017-2025.	0.5	28
108	A new analysis of the Fornberg-Whitham equation pertaining to a fractional derivative with Mittag-Leffler-type kernel. <i>European Physical Journal Plus</i> , 2018, 133, 1.	1.2	90

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109	A computational approach for fractional convection-diffusion equation via integral transforms. Ain Shams Engineering Journal, 2018, 9, 1019-1028.	3.5	15
110	An efficient computational approach for time-fractional Rosenau-Hyman equation. Neural Computing and Applications, 2018, 30, 3063-3070.	3.2	47
111	A modified numerical scheme and convergence analysis for fractional model of Lienard's equation. Journal of Computational and Applied Mathematics, 2018, 339, 405-413.	1.1	146
112	Numerical simulation of fifth order KdV equations occurring in magneto-acoustic waves. Ain Shams Engineering Journal, 2018, 9, 2265-2273.	3.5	55
113	Analysis of regularized long-wave equation associated with a new fractional operator with Mittag-Leffler type kernel. Physica A: Statistical Mechanics and Its Applications, 2018, 492, 155-167.	1.2	187
114	A new numerical algorithm for fractional Fitzhugh-Nagumo equation arising in transmission of nerve impulses. Nonlinear Dynamics, 2018, 91, 307-317.	2.7	121
115	A fractional epidemiological model for computer viruses pertaining to a new fractional derivative. Applied Mathematics and Computation, 2018, 316, 504-515.	1.4	382
116	MHD mixed convective stagnation point flow and heat transfer of an incompressible nanofluid over an inclined stretching sheet with chemical reaction and radiation. International Journal of Heat and Mass Transfer, 2018, 118, 378-387.	2.5	105
117	On the analysis of fractional diabetes model with exponential law. Advances in Difference Equations, 2018, 2018, .	3.5	105
118	Analytic study for fractional coupled Burger's equations via Sumudu transform method. Nonlinear Engineering, 2018, 7, 323-332.	1.4	24
119	An Efficient Computational Technique for Fractal Vehicular Traffic Flow. Entropy, 2018, 20, 259.	1.1	73
120	Analysis of a fractional model of the Ambartsumian equation. European Physical Journal Plus, 2018, 133, 1.	1.2	93
121	An efficient numerical algorithm for the fractional Drinfeld-Sokolov-Wilson equation. Applied Mathematics and Computation, 2018, 335, 12-24.	1.4	132
122	Analytic study for a fractional model of HIV infection of CD4 + T lymphocyte cells. International Journal of Modern Languages and Applied Linguistics, 2018, 02, 33-43.	0.1	63
123	Modified Kawahara equation within a fractional derivative with non-singular kernel. Thermal Science, 2018, 22, 789-796.	0.5	34
124	A new fractional model for convective straight fins with temperature-dependent thermal conductivity. Thermal Science, 2018, 22, 2791-2802.	0.5	24
125	Analysis of logistic equation pertaining to a new fractional derivative with non-singular kernel. Advances in Mechanical Engineering, 2017, 9, 168781401769006.	0.8	40
126	Analysis of a New Fractional Model for Damped Bergers' Equation. Open Physics, 2017, 15, 35-41.	0.8	23



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127	An efficient computational approach for linear and nonlinear fractional differential equations. <i>Waves Wavelets and Fractals</i> , 2017, 3, 1-13.	0.4	2
128	An efficient computational approach for generalized Hirota-Satsuma coupled KdV equations arising in shallow water waves. <i>Waves Wavelets and Fractals</i> , 2017, 3, 14-30.	0.4	4
129	A new analysis for fractional model of regularized long-wave equation arising in ion acoustic plasma waves. <i>Mathematical Methods in the Applied Sciences</i> , 2017, 40, 5642-5653.	1.2	94
130	Analysis of an El Nino-Southern Oscillation model with a new fractional derivative. <i>Chaos, Solitons and Fractals</i> , 2017, 99, 109-115.	2.5	69
131	A new fractional model for giving up smoking dynamics. <i>Advances in Difference Equations</i> , 2017, 2017, .	3.5	125
132	An efficient analytical technique for fractional model of vibration equation. <i>Applied Mathematical Modelling</i> , 2017, 45, 192-204.	2.2	180
133	On the analysis of chemical kinetics system pertaining to a fractional derivative with Mittag-Leffler type kernel. <i>Chaos</i> , 2017, 27, 103113.	1.0	99
134	Some Fractional Calculus Results Pertaining To Mittag-Leffler Type Functions. <i>Journal of Applied Mathematics, Statistics and Informatics</i> , 2017, 13, 31-48.	0.1	1
135	A hybrid computational approach for Klein-Gordon equations on Cantor sets. <i>Nonlinear Dynamics</i> , 2017, 87, 511-517.	2.7	101
136	A Novel Numerical Approach for a Nonlinear Fractional Dynamical Model of Interpersonal and Romantic Relationships. <i>Entropy</i> , 2017, 19, 375.	1.1	49
137	An efficient computational technique for local fractional heat conduction equations in fractal media. <i>Journal of Nonlinear Science and Applications</i> , 2017, 10, 1478-1486.	0.4	35
138	A Reliable Algorithm for a Local Fractional Tricomi Equation Arising in Fractal Transonic Flow. <i>Entropy</i> , 2016, 18, 206.	1.1	71
139	A fractional model of a dynamical Brusselator reaction-diffusion system arising in triple collision and enzymatic reactions. <i>Nonlinear Engineering</i> , 2016, 5, .	1.4	22
140	Numerical Computation of a Fractional Model of Differential-Difference Equation. <i>Journal of Computational and Nonlinear Dynamics</i> , 2016, 11, .	0.7	53
141	Numerical simulation of a fractional model of temperature distribution and heat flux in the semi infinite solid. <i>AEJ - Alexandria Engineering Journal</i> , 2016, 55, 87-91.	3.4	11
142	Numerical solution of time- and space-fractional coupled Burgers equations via homotopy algorithm. <i>AEJ - Alexandria Engineering Journal</i> , 2016, 55, 1753-1763.	3.4	148
143	A reliable algorithm for KdV equations arising in warm plasma. <i>Nonlinear Engineering</i> , 2016, 5, .	1.4	29
144	Fractional modelling arising in unidirectional propagation of long waves in dispersive media. <i>Advances in Nonlinear Analysis</i> , 2016, 5, 383-394.	1.3	33

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145	Numerical computation of fractional Lotka-Volterra equation arising in biological systems. <i>Nonlinear Engineering</i> , 2015, 4, .	1.4	7
146	Numerical computation of nonlinear shock wave equation of fractional order. <i>Ain Shams Engineering Journal</i> , 2015, 6, 605-611.	3.5	35
147	Analytical solutions of convection-diffusion problems by combining Laplace transform method and homotopy perturbation method. <i>AEJ - Alexandria Engineering Journal</i> , 2015, 54, 645-651.	3.4	38
148	Numerical computation of fractional multi-dimensional diffusion equations by using a modified homotopy perturbation method. <i>Journal of the Association of Arab Universities for Basic and Applied Sciences</i> , 2015, 17, 20-26.	1.0	15
149	Numerical study for systems of fractional differential equations via Laplace transform. <i>Journal of the Egyptian Mathematical Society</i> , 2015, 23, 256-262.	0.6	31
150	A fractional model of Navier-Stokes equation arising in unsteady flow of a viscous fluid. <i>Journal of the Association of Arab Universities for Basic and Applied Sciences</i> , 2015, 17, 14-19.	1.0	32
151	Analytical solution of Abel integral equation arising in astrophysics via Laplace transform. <i>Journal of the Egyptian Mathematical Society</i> , 2015, 23, 102-107.	0.6	24
152	Analytical modeling for fractional multi-dimensional diffusion equations by using Laplace transform. <i>Communications in Numerical Analysis</i> , 2015, 2015, 16-29.	0.1	10
153	Numerical Solutions of Nonlinear Fractional Partial Differential Equations Arising in Spatial Diffusion of Biological Populations. <i>Abstract and Applied Analysis</i> , 2014, 2014, 1-12.	0.3	32
154	Numerical computation of fractional Black-Scholes equation arising in financial market. <i>Egyptian Journal of Basic and Applied Sciences</i> , 2014, 1, 177-183.	0.2	74
155	A New Fractional Model of Nonlinear Shock Wave Equation Arising in Flow of Gases. <i>Nonlinear Engineering</i> , 2014, 3, 43-50.	1.4	15
156	Analytical Solution of Fractional Differential Equations arising in Fluid Mechanics by using Sumudu transform method. <i>Nonlinear Engineering</i> , 2014, 3, .	1.4	7
157	A reliable approach for two-dimensional viscous flow between slowly expanding or contracting walls with weak permeability using sumudu transform. <i>Ain Shams Engineering Journal</i> , 2014, 5, 237-242.	3.5	7
158	New Reliable Algorithm for Fractional Harry Dym Equation. <i>Advances in Intelligent Systems and Computing</i> , 2014, , 251-257.	0.5	1
159	A modified analytical technique for Jeffery-Hamel flow using sumudu transform. <i>Journal of the Association of Arab Universities for Basic and Applied Sciences</i> , 2014, 16, 11-15.	1.0	9
160	New homotopy analysis transform algorithm to solve volterra integral equation. <i>Ain Shams Engineering Journal</i> , 2014, 5, 243-246.	3.5	40
161	Analytical study for singular system of transistor circuits. <i>AEJ - Alexandria Engineering Journal</i> , 2014, 53, 445-448.	3.4	5
162	Numerical computation of nonlinear fractional Zakharov-Kuznetsov equation arising in ion-acoustic waves. <i>Journal of the Egyptian Mathematical Society</i> , 2014, 22, 373-378.	0.6	34

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163	Numerical computation of Klein-Gordon equations arising in quantum field theory by using homotopy analysis transform method. AEJ - Alexandria Engineering Journal, 2014, 53, 469-474.	3.4	46
164	On The Distribution Of Mixed Sum Of Independent Random Variables One Of Them Associated With Srivastava's Polynomials And $H$ -Function. Journal of Applied Mathematics, Statistics and Informatics, 2014, 10, 53-62.	0.1	4
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