Devendra Kumar

List of Publications by Year
in descending order

290 papers	7,907 citations	41258 49 h-index	71532 76 g-index
297 all docs	297 docs citations	297 times ranked	2947 citing authors

#	Article	IF	Citations
1	Estimation of the Location and Scale Parameters of Generalized Pareto Distribution Based on Progressively Type-II Censored Order Statistics. Annals of Data Science, 2023, 10, 349-383.	1.7	6
2	On time fractional pseudo‐parabolic equations with non‐local in time condition. Mathematical Methods in the Applied Sciences, 2023, 46, 7779-7797.	1.2	7
3	New models of fractional blood ethanol and two‐cell cubic autocatalator reaction equations. Mathematical Methods in the Applied Sciences, 2023, 46, 7767-7778.	1.2	12
4	Exact solutions of local fractional longitudinal wave equation in a magneto-electro-elastic circular rod in fractal media. Indian Journal of Physics, 2022, 96, 787-794.	0.9	12
5	A uniformly convergent scheme for two-parameter problems having layer behaviour. International Journal of Computer Mathematics, 2022, 99, 553-574.	1.0	4
6	On estimation procedures of constant stress accelerated life test for generalized inverse lindley distribution. Quality and Reliability Engineering International, 2022, 38, 211-228.	1.4	7
7	Inverse Lindley power series distributions: a new compounding family and regression model with censored data. Journal of Applied Statistics, 2022, 49, 3451-3476.	0.6	2
8	Comparative characterisation of ghee from Indian camel breeds using GC‐MS and FTIR techniques. International Journal of Dairy Technology, 2022, 75, 182-193.	1.3	7
9	Facile access to template-shape-replicated nitrogen-rich mesoporous carbon nanospheres for highly efficient CO_2 capture and contaminant removal. Materials Advances, 2022, 3, 665-671.	2.6	8
10	Ultrafast and green ionic liquid-mediated controlled cationic polymerization towards amphiphilic diblock copolymers. Polymer Chemistry, 2022, 13, 517-526.	1.9	3
11	An efficient analytical scheme with convergence analysis for computational study of local fractional Schrödinger equations. Mathematics and Computers in Simulation, 2022, 196, 296-318.	2.4	13
12	Analyte recovery in LC-MS/MS bioanalysis: An old issue revisited. Analytica Chimica Acta, 2022, 1198, 339512.	2.6	1
13	Analysis of local fractional coupled Helmholtz and coupled Burgers' equations in fractal media. AIMS Mathematics, 2022, 7, 8080-8111.	0.7	12
14	New approach on controllability of Hilfer fractional derivatives with nondense domain. AIMS Mathematics, 2022, 7, 10079-10095.	0.7	17
15	Straightforward synthesis of multifunctional porous polymer nanomaterials for CO_2 capture and removal of contaminants. Polymer Chemistry, 2022, 13, 2165-2172.	1.9	3
16	An amino acid-derived ABCBA-type antifouling biohybrid with multi-stimuli responsivity and contaminant removal capability. Polymer Chemistry, 2022, 13, 1960-1969.	1.9	4
17	Stability of fractional order of time nonlinear fractional diffusion equation with Riemann–Liouville derivative. Mathematical Methods in the Applied Sciences, 2022, 45, 6194-6216.	1.2	7
18	A second-order numerical scheme for the time-fractional partial differential equations with a time delay. Computational and Applied Mathematics, 2022, 41, 1.	1.0	6

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19	Urinary BA Indices as Prognostic Biomarkers for Complications Associated with Liver Diseases. International Journal of Hepatology, 2022, 2022, 1-17.	0.4	0
20	Certain Unified Integrals Associated with Product of the General Class of Polynomials and Incomplete I-Functions. International Journal of Applied and Computational Mathematics, 2022, 8, 1.	0.9	5
21	Numerical investigation of fractional model of phytoplankton–toxic phytoplankton–zooplankton system with convergence analysis. International Journal of Biomathematics, 2022, 15, .	1.5	16
22	Computational Study of a Local Fractional Tricomi Equation Occurring in Fractal Transonic Flow. Journal of Computational and Nonlinear Dynamics, 2022, 17, .	0.7	9
23	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
24	Three-dimensional Haar wavelet method for singularly perturbed elliptic boundary value problems on non-uniform meshes. Journal of Mathematical Chemistry, 2022, 60, 1314-1336.	0.7	1
25	Trigonometric B-spline based ϵ-uniform scheme for singularly perturbed problems with Robin boundary conditions. Journal of Difference Equations and Applications, 2022, 28, 924-945.	0.7	3
26	Inference on generalized inverted exponential distribution based on record values and inter-record times. Afrika Matematika, 2022, 33, .	0.4	0
27	Parameter Estimation for the Exponentiated Kumaraswamy-Power Function Distribution Based on Order Statistics with Application. Annals of Data Science, 2021, 8, 785-811.	1.7	0
28	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
29	Physio-biochemical insights into sugarcane genotypes under water stress. Biological Rhythm Research, 2021, 52, 92-115.	0.4	12
30	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
31	Trigonometric quintic B-spline collocation method for singularly perturbed turning point boundary value problems. International Journal of Computer Mathematics, 2021, 98, 1029-1048.	1.0	16
32	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
33	Analysis of fractional model of guava for biological pest control with memory effect. Journal of Advanced Research, 2021, 32, 99-108.	4.4	62
34	A uniformly convergent quadratic B-spline collocation method for singularly perturbed parabolic partial differential equations with two small parameters. Journal of Mathematical Chemistry, 2021, 59, 186-215.	0.7	12
35	Haar–wavelet based approximation for pricing American options under linear complementarity formulations. Numerical Methods for Partial Differential Equations, 2021, 37, 1091-1111.	2.0	5
36	Bounded Weighted Exponential Distribution with Applications. American Journal of Mathematical and Management Sciences, 2021, 40, 68-87.	0.6	4

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37	A computational study of fractional model of atmospheric dynamics of carbon dioxide gas. Chaos, Solitons and Fractals, 2021, 142, 110375.	2.5	27
38	A hybrid method for differentially expressed genes identification and ranking from RNA-Seq data. International Journal of Bioinformatics Research and Applications, 2021, 17, 38.	0.1	0
39	Analytical study of fractional nonlinear Schrödinger equation with harmonic oscillator. Discrete and Continuous Dynamical Systems - Series S, 2021, 14, 3589.	0.6	8
40	Ultrafast, green and recyclable photoRDRP in an ionic liquid towards multi-stimuli responsive amphiphilic copolymers. Polymer Chemistry, 2021, 12, 4954-4960.	1.9	6
41	Mathematical modelling of cytosolic calcium concentration distribution using non-local fractional operator. Discrete and Continuous Dynamical Systems - Series S, 2021, 14, 3387.	0.6	4
42	A Review of Transmuted Distributions. Journal of the Indian Society for Probability and Statistics, 2021, 22, 47-111.	0.3	2
43	Quadratic B-spline collocation method for two-parameter singularly perturbed problem on exponentially graded mesh. International Journal of Computer Mathematics, 2021, 98, 2461-2481.	1.0	6
44	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
45	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
46	On the integral transform of Mittag-Leffler-type functions with applications. Analysis (Germany), 2021, 41, 155-162.	0.2	0
47	Fibroblast growth factorÂand kidney disease: Updates for emerging novel therapeutics. Journal of Cellular Physiology, 2021, 236, 7909.	2.0	1
48	Final Value Problem for Parabolic Equation with Fractional Laplacian and Kirchhoffâ€™s Term. Journal of Function Spaces, 2021, 2021, 1-12.	0.4	1
49	Inferences for generalized Topp-Leone distribution under dual generalized order statistics with applications to Engineering and COVID-19 data. Model Assisted Statistics and Applications, 2021, 16, 125-141.	0.2	0
50	The Complementary Exponentiated Lomax-Poisson Distribution with Applications to Bladder Cancer and Failure Data. Austrian Journal of Statistics, 2021, 50, 77-105.	0.2	1
51	Different Classical Methods of Estimation and Chi-squared Goodness-of-fit Test for Unit Generalized Inverse Weibull Distribution. Austrian Journal of Statistics, 2021, 50, 77-100.	0.2	1
52	<scp>l</scp>-Histidine-Derived Smart Antifouling Biohybrid with Multistimuli Responsivity. Biomacromolecules, 2021, 22, 3941-3949.	2.6	9
53	Modeling engineering data using extended power-Lindley distribution: Properties and estimation methods. Journal of King Saud University - Science, 2021, 33, 101582.	1.6	4
54	A computational study of transmission dynamics for dengue fever with a fractional approach. Mathematical Modelling of Natural Phenomena, 2021, 16, 48.	0.9	2

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55	Facile access to functional polyacrylates with dual stimuli response and tunable surface hydrophobicity. Polymer Chemistry, 2021, 12, 3042-3051.	1.9	9
56	On a family of the incomplete H-functions and associated integral transforms. Journal of Applied Analysis, 2021, 27, 143-152.	0.2	1
57	Analytical Solution of Exothermic Reactions Model with Constant Heat Source and Porous Medium. Proceedings of the National Academy of Sciences India Section A - Physical Sciences, 2020, 90, 239-243.	0.8	3
58	A new analysis of fractional Drinfeldâ€"Sokolovâ€"Wilson model with exponential memory. Physica A: Statistical Mechanics and Its Applications, 2020, 537, 122578.	1.2	92
59	On the analysis of vibration equation involving a fractional derivative with Mittagâ€‑Leffler law. Mathematical Methods in the Applied Sciences, 2020, 43, 443-457.	1.2	177
60	An efficient technique for nonlinear time-fractional Kleinâ€"Fockâ€"Gordon equation. Applied Mathematics and Computation, 2020, 364, 124637.	1.4	36
61	Statistical inference based on generalized Lindley record values. Journal of Applied Statistics, 2020, 47, 1543-1561.	0.6	5
62	A parameterâ€‘uniform scheme for singularly perturbed partial differential equations with a time lag. Numerical Methods for Partial Differential Equations, 2020, 36, 868-886.	2.0	24
63	Fractional modified Kawahara equation with Mittagâ€"Leffler law. Chaos, Solitons and Fractals, 2020, 131, 109508.	2.5	52
64	Numerical solution of time-fractional three-species food chain model arising in the realm of mathematical ecology. International Journal of Biomathematics, 2020, 13, 2050011.	1.5	11
65	A new model of fractional Casson fluid based on generalized Fickâ€™s and Fourierâ€™s laws together with heat and mass transfer. AEJ - Alexandria Engineering Journal, 2020, 59, 2865-2876.	3.4	71
66	Solution of nonlinear differential equation and special functions. Mathematical Methods in the Applied Sciences, 2020, 43, 2106-2116.	1.2	5
67	Influence of heat source/sink on MHD flow between vertical alternate conducting walls with Hall effect. Physica A: Statistical Mechanics and Its Applications, 2020, 544, 123562.	1.2	34
68	Inference for the unit-Gompertz model based on record values and inter-record times with an application. Rendiconti Del Circolo Matematico Di Palermo, 2020, 69, 1295-1319.	0.6	7
69	An Efficient Computational Method for the Time-Space Fractional Klein-Gordon Equation. Frontiers in Physics, 2020, 8, .	1.0	13
70	Analytical Study for Fractional Order Mathematical Model of Concentration of Ca^{2+} in Astrocytes Cell with a Composite Fractional Derivative. Journal of Multiscale Modeling, 2020, 11, .	1.0	6
71	Inference for the Two Parameter Reduced Kies Distribution under Progressive Type-II Censoring. Mathematics, 2020, 8, 1997.	1.1	4
72	Fractional differential equation pertaining to an integral operator involving incomplete H â€‘function in the kernel. Mathematical Methods in the Applied Sciences, 2020, , .	1.2	12

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73	On the Volterra-Type Fractional Integro-Differential Equations Pertaining to Special Functions. Fractal and Fractional, 2020, 4, 33.	1.6	2
74	Fractional Klein-Gordon-Schrödinger equations with Mittag-Leffler memory. Chinese Journal of Physics, 2020, 68, 65-78.	2.0	40
75	Inference on Exponentiated Power Lindley Distribution Based on Order Statistics with Application. Complexity, 2020, 2020, 1-14.	0.9	1
76	An efficient computational method for local fractional transport equation occurring in fractal porous media. Computational and Applied Mathematics, 2020, 39, 1.	1.0	48
77	Inference for generalized inverse Lindley distribution based on generalized order statistics. Afrika Matematika, 2020, 31, 1207-1235.	0.4	5
78	Analytical investigation of polar fluid flow with induced magnetic field in concentric annular region. Heat Transfer, 2020, 49, 3943-3957.	1.7	9
79	Fractional Kinetic Equations Associated with Incomplete I-Functions. Fractal and Fractional, 2020, 4, 19.	1.6	12
80	On the Solutions of a Class of Integral Equations Pertaining to Incomplete H-Function and Incomplete H-Function. Mathematics, 2020, 8, 819.	1.1	11
81	Weighted inverted Weibull distribution: Properties and estimation. Journal of Statistics and Management Systems, 2020, 23, 843-885.	0.3	5
82	A new analysis of fractional fish farm model associated with Mittag-Leffler-type kernel. International Journal of Biomathematics, 2020, 13, 2050010.	1.5	97
83	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. SN Applied Sciences, 2020, 2, 1.	1.5	46
84	A hybrid analytical scheme for the numerical computation of time fractional computer virus propagation model and its stability analysis. Chaos, Solitons and Fractals, 2020, 133, 109626.	2.5	23
85	Certain fractional calculus and integral transform results of incomplete ℵ‚µ€functions with applications. Mathematical Methods in the Applied Sciences, 2020, 43, 5602-5614.	1.2	20
86	Analysis of genetic divergence and population structure through microsatellite markers in normal and quality protein maize genotypes from NW Himalayan region of India. Vegetos, 2020, 33, 194-202.	0.8	2
87	An efficient numerical scheme for fractional model of HIV-1 infection of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si40.svg"><mml:mrow><mml:mi mathvariant="italic">CD</mml:mi><mml:msup><mml:mrow><mml:mrow><mml:mo>+</mml:m... T-cells with the effect of antiviral drug therapy. AEJ - Alexandria Engineering Journal, 2020, 59, 2053-2064.	3.4	86
88	The Weibull Marshall–Olkin Lindley distribution: properties and estimation. Journal of Taibah University for Science, 2020, 14, 192-204.	1.1	26
89	A New Extension of Extended Exponential Distribution with Applications. Annals of Data Science, 2020, 7, 139-162.	1.7	6
90	Estimation with Modified Power Function Distribution Based on Order Statistics with Application to Evaporation Data. Annals of Data Science, 2020, , 1.	1.7	3

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91	A parameter-uniform collocation scheme for singularly perturbed delay problems with integral boundary condition. Journal of Applied Mathematics and Computing, 2020, 63, 813-828.	1.2	10
92	In vitro evaluation to intensify the differential morphogenetic response through plant growth regulators and antibiotic supplementation in sugarcane. Plant Physiology Reports, 2020, 25, 335-346.	0.7	3
93	An Efficient Numerical Method for Fractional SIR Epidemic Model of Infectious Disease by Using Bernstein Wavelets. Mathematics, 2020, 8, 558.	1.1	145
94	Higher order Bâ€spline differential quadrature rule to approximate generalized Rosenauâ€RLW equation. Mathematical Methods in the Applied Sciences, 2020, 43, 6812-6822.	1.2	5
95	An efficient computational technique for local fractional Fokker Planck equation. Physica A: Statistical Mechanics and Its Applications, 2020, 555, 124525.	1.2	71
96	New Aspects of Fractional Epidemiological Model for Computer Viruses with Mittagâ€"Leffler Law. Forum for Interdisciplinary Mathematics, 2020, , 283-301.	0.8	3
97	An Efficient Computational Technique for Fractional Model of Generalized Hirotaâ€"Satsuma-Coupled Kortewegâ€"de Vries and Coupled Modified Kortewegâ€"de Vries Equations. Journal of Computational and Nonlinear Dynamics, 2020, 15, .	0.7	38
98	Analytical approach for fractional extended Fisherâ€"Kolmogorov equation with Mittag-Leffler kernel. Advances in Difference Equations, 2020, 2020, .	3.5	22
99	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
100	The Reflected-Shifted-Truncated Lindley Distribution with Applications. Stochastics and Quality Control, 2020, .	0.2	1
101	A reliable numerical approach for nonlinear fractional optimal control problems. International Journal of Nonlinear Sciences and Numerical Simulation, 2020, .	0.4	9
102	Simultaneous Analysis of Vanillin and Coumarin in Mangrove Plants and Commercial Food Products Using UPLC-ESI-MS/MS. Current Analytical Chemistry, 2020, 16, 768-777.	0.6	2
103	On the integral operators pertaining to a family of incomplete <i>I</i>-functions. AIMS Mathematics, 2020, 5, 1247-1259.	0.7	17
104	Numerical solutions of 2D Fredholm integral equation of first kind by discretization technique. AIMS Mathematics, 2020, 5, 2295-2306.	0.7	3
105	Numerical computation of fractional Kersten-Krasilâ€™shchik coupled KdV-mKdV system occurring in multi-component plasmas. AIMS Mathematics, 2020, 5, 2346-2368.	0.7	41
106	A New Class of Integrals Involving Generalized Hypergeometric Function and Multivariable Aleph-Function. Kragujevac Journal of Mathematics, 2020, 44, 539-550.	0.3	5
107	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
108	Inferences for the Type-II Exponentiated Log-Logistic Distribution Based on Order Statistics with Application. Journal of Statistical Theory and Applications, 2020, 19, 352.	0.4	2

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109	Marshall–Olkin Power Generalized Weibull Distribution with Applications in Engineering and Medicine. Journal of Statistical Theory and Applications, 2020, 19, 223.	0.4	12
110	Effect of heat treatments on antioxidant properties and insulin content of camel milk. Journal of Camel Practice and Research, 2020, 27, 105.	0.0	1
111	Enzymatic and antioxidant activity of camel milk fermented with different strains of lactic acid bacteria. Journal of Camel Practice and Research, 2020, 27, 193-200.	0.0	0
112	A reliable analytical approach for a fractional model of advection-dispersion equation. Nonlinear Engineering, 2019, 8, 107-116.	1.4	30
113	Alpha-Power Transformed Lindley Distribution: Properties and Associated Inference with Application to Earthquake Data. Annals of Data Science, 2019, 6, 623-650.	1.7	31
114	An integral operator involving generalized Mittag-Leffler function and associated fractional calculus results. Journal of Analysis, 2019, 27, 727-740.	0.3	13
115	Alpha power transformed inverse Lindley distribution: A distribution with an upside-down bathtub-shaped hazard function. Journal of Computational and Applied Mathematics, 2019, 348, 130-145.	1.1	44
116	A reliable treatment of residual power series method for time-fractional Black–Scholes European option pricing equations. Physica A: Statistical Mechanics and Its Applications, 2019, 533, 122040.	1.2	32
117	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
118	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
119	Approximate analytical solution of fractional order biochemical reaction model and its stability analysis. International Journal of Biomathematics, 2019, 12, 1950059.	1.5	12
120	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
121	Analytical study of fractional Bratu-type equation arising in electro-spun organic nanofibers elaboration. Physica A: Statistical Mechanics and Its Applications, 2019, 521, 762-772.	1.2	22
122	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
123	Numerical solution of predator-prey model with Beddington-DeAngelis functional response and fractional derivatives with Mittag-Leffler kernel. Chaos, 2019, 29, 063103.	1.0	77
124	Interrelationships Between Marichev–Saigo–Maeda Fractional Integral Operators, the Laplace Transform and the $$\overline{H}$$-Function. International Journal of Applied and Computational Mathematics, 2019, 5, 1.	0.9	12
125	A new fractional exothermic reactions model having constant heat source in porous media with power, exponential and Mittag-Leffler laws. International Journal of Heat and Mass Transfer, 2019, 138, 1222-1227.	2.5	193
126	Editorial: Fractional Calculus and Its Applications in Physics. Frontiers in Physics, 2019, 7, .	1.0	49

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127	An efficient analytical approach for fractional equal width equations describing hydro-magnetic waves in cold plasma. Physica A: Statistical Mechanics and Its Applications, 2019, 524, 563-575.	1.2	159
128	Bounded M-O Extended Exponential Distribution with Applications. Stochastics and Quality Control, 2019, 34, 35-51.	0.2	8
129	Generalized Lindley Distribution Based on Order Statistics and Associated Inference with Application. Annals of Data Science, 2019, 6, 707-736.	1.7	7
130	A hybrid analytical algorithm for nonlinear fractional wave-like equations. Mathematical Modelling of Natural Phenomena, 2019, 14, 304.	0.9	86
131	New aspects of fractional Biswasâ€"Milovic model with Mittag-Leffler law. Mathematical Modelling of Natural Phenomena, 2019, 14, 303.	0.9	121
132	An efficient computational method for solving system of nonlinear generalized Abel integral equations arising in astrophysics. Physica A: Statistical Mechanics and Its Applications, 2019, 525, 1440-1448.	1.2	16
133	Order Statistics from the Power Lindley Distribution and Associated Inference with Application. Annals of Data Science, 2019, 6, 153-177.	1.7	10
134	Impact of generalized Fourierâ€™s law and Fickâ€™s law for MHD flow of Agâ€"H_2O and TiO_2â€"H_2O nanomaterials. Multidiscipline Modeling in Materials and Structures, 2019, 15, 1075-1099.	0.6	11
135	Mathematical modelling of internal blood pressure involving incomplete H_λ-functions. Journal of Interdisciplinary Mathematics, 2019, 22, 1213-1221.	0.4	2
136	Application of incomplete Hâ€"functions in determination of Lambertâ€™s law. Journal of Interdisciplinary Mathematics, 2019, 22, 1205-1212.	0.4	7
137	Certain Unified Integrals Associated with Product of M-Series and Incomplete H-functions. Mathematics, 2019, 7, 1191.	1.1	11
138	The Marshallâ€"Olkin alpha power family of distributions with applications. Journal of Computational and Applied Mathematics, 2019, 351, 41-53.	1.1	51
139	On the local fractional wave equation in fractal strings. Mathematical Methods in the Applied Sciences, 2019, 42, 1588-1595.	1.2	84
140	A New Generalization of the Extended Exponential Distribution with an Application. Annals of Data Science, 2019, 6, 441-462.	1.7	4
141	ADMP: A Maple Package for Symbolic Computation and Error Estimating to Singular Two-Point Boundary Value Problems with Initial Conditions. Proceedings of the National Academy of Sciences India Section A - Physical Sciences, 2019, 89, 405-414.	0.8	9
142	A hybrid computational approach for Jefferyâ€"Hamel flow in non-parallel walls. Neural Computing and Applications, 2019, 31, 2407-2413.	3.2	29
143	A parameter-uniform method for singularly perturbed turning point problems exhibiting interior or twin boundary layers. International Journal of Computer Mathematics, 2019, 96, 865-882.	1.0	17
144	A parameter-uniform numerical scheme for the parabolic singularly perturbed initial boundary value problems with large time delay. Journal of Applied Mathematics and Computing, 2019, 59, 179-206.	1.2	31

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145	Logarithm Transformed FrÂ´echet Distribution : Properties and Estimation. Austrian Journal of Statistics, 2019, 48, 70-93.	0.2	4
146	Numerical Simulation for System of Time-Fractional Linear and Nonlinear Differential Equations. Progress in Fractional Differentiation and Applications, 2019, 5, 65-77.	1.1	34
147	Evaluation of Sterilant Effect on In-vitro Culture Establishment in Sugarcane Variety Co 0118. International Journal of Current Microbiology and Applied Sciences, 2019, 8, 1226-1233.	0.0	3
148	GENERALIZED PARETO DISTRIBUTION BASED ON GENERALIZED ORDER STATISTICS AND ASSOCIATED INFERENCE. Statistics in Transition, 2019, 20, 57-79.	0.1	3
149	Numerical study for fractional model of non-linear predator-prey biological population dynamical system. Thermal Science, 2019, 23, 2017-2025.	0.5	28
150	On the Elzaki transform and its applications in fractional free electron laser equation. Acta Universitatis Sapientiae, Mathematica, 2019, 11, 419-429.	0.0	8
151	Recurrence Relations for Moments and Estimation of Parameters of Extended Exponential Distribution Based on Progressive Type-II Right-Censored Order Statistics. Journal of Statistical Theory and Applications, 2019, 18, 171.	0.4	10
152	Numerical Study of Effects of Adrenal Hormones on Lymphocytes. Springer Proceedings in Mathematics and Statistics, 2019, , 261-273.	0.1	0
153	A Reliable Analytical Algorithm for Cubic Isothermal Auto-Catalytic Chemical System. Springer Proceedings in Mathematics and Statistics, 2019, , 243-260.	0.1	0
154	A new analysis of the Fornberg-Whitham equation pertaining to a fractional derivative with Mittag-Leffler-type kernel. European Physical Journal Plus, 2018, 133, 1.	1.2	90
155	Record values from exponentiated Pareto type I distribution and associated inference. Model Assisted Statistics and Applications, 2018, 13, 19-43.	0.2	0
156	A New Generalization of the Exponentiated Pareto Distribution With an Application. American Journal of Mathematical and Management Sciences, 2018, 37, 217-242.	0.6	6
157	A reliable algorithm for the approximate solution of the nonlinear Laneâ€Emden type equations arising in astrophysics. Numerical Methods for Partial Differential Equations, 2018, 34, 1524-1555.	2.0	44
158	A computational approach for fractional convection-diffusion equation via integral transforms. Ain Shams Engineering Journal, 2018, 9, 1019-1028.	3.5	15
159	An efficient computational approach for time-fractional Rosenauâ€"Hyman equation. Neural Computing and Applications, 2018, 30, 3063-3070.	3.2	47
160	A modified numerical scheme and convergence analysis for fractional model of Lienardâ€™s equation. Journal of Computational and Applied Mathematics, 2018, 339, 405-413.	1.1	146
161	Numerical simulation of fifth order KdV equations occurring in magneto-acoustic waves. Ain Shams Engineering Journal, 2018, 9, 2265-2273.	3.5	55
162	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

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163	A new numerical algorithm for fractional Fitzhughâ€"Nagumo equation arising in transmission of nerve impulses. Nonlinear Dynamics, 2018, 91, 307-317.	2.7	121
164	A fractional epidemiological model for computer viruses pertaining to a new fractional derivative. Applied Mathematics and Computation, 2018, 316, 504-515.	1.4	382
165	A new extension of Weibull distribution: Properties and different methods of estimation. Journal of Computational and Applied Mathematics, 2018, 336, 439-457.	1.1	55
166	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
167	Logarithm Transformed Lomax Distribution with Applications. Calcutta Statistical Association Bulletin, 2018, 70, 122-135.	0.1	3
168	On the analysis of fractional diabetes model with exponential law. Advances in Difference Equations, 2018, 2018, .	3.5	105
169	A collocation method for singularly perturbed differential-difference turning point problems exhibiting boundary/interior layers. Journal of Difference Equations and Applications, 2018, 24, 1847-1870.	0.7	6
170	Analytic study for fractional coupled Burgerâ€™s equations via Sumudu transform method. Nonlinear Engineering, 2018, 7, 323-332.	1.4	24
171	An implicit scheme for singularly perturbed parabolic problem with retarded terms arising in computational neuroscience. Numerical Methods for Partial Differential Equations, 2018, 34, 1933-1952.	2.0	20
172	Statistical properties and different methods of estimation of Gompertz distribution with application. Journal of Statistics and Management Systems, 2018, 21, 839-876.	0.3	34
173	An Efficient Computational Technique for Fractal Vehicular Traffic Flow. Entropy, 2018, 20, 259.	1.1	73
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