Devendra Kumar

List of Publications by Year
in descending order

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290	7,907	41258	71532
papers	citations	49 h-index	76 g-index

297	297	297	2947
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A fractional epidemiological model for computer viruses pertaining to a new fractional derivative. Applied Mathematics and Computation, 2018, 316, 504-515.	1.4	382
2	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
3	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
4	An efficient analytical technique for fractional model of vibration equation. Applied Mathematical Modelling, 2017, 45, 192-204.	2.2	180
5	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
6	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
7	Numerical solution of time- and space-fractional coupled Burgersâ€™ equations via homotopy algorithm. AEJ - Alexandria Engineering Journal, 2016, 55, 1753-1763.	3.4	148
8	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
9	An Efficient Numerical Method for Fractional SIR Epidemic Model of Infectious Disease by Using Bernstein Wavelets. Mathematics, 2020, 8, 558.	1.1	145
10	An efficient numerical algorithm for the fractional Drinfeldâ€“Sokolovâ€“Wilson equation. Applied Mathematics and Computation, 2018, 335, 12-24.	1.4	132
11	A new fractional model for giving up smoking dynamics. Advances in Difference Equations, 2017, 2017, .	3.5	125
12	A new numerical algorithm for fractional Fitzhughâ€“Nagumo equation arising in transmission of nerve impulses. Nonlinear Dynamics, 2018, 91, 307-317.	2.7	121
13	New aspects of fractional Biswasâ€“Milovic model with Mittag-Leffler law. Mathematical Modelling of Natural Phenomena, 2019, 14, 303.	0.9	121
14	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
15	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
16	On the analysis of fractional diabetes model with exponential law. Advances in Difference Equations, 2018, 2018, .	3.5	105
17	A hybrid computational approach for Kleinâ€“Gordon equations on Cantor sets. Nonlinear Dynamics, 2017, 87, 511-517.	2.7	101
18	On the analysis of chemical kinetics system pertaining to a fractional derivative with Mittag-Leffler type kernel. Chaos, 2017, 27, 103113.	1.0	99

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19	A new analysis of fractional fish farm model associated with Mittag-Leffler-type kernel. International Journal of Biomathematics, 2020, 13, 2050010.	1.5	97
20	A new analysis for fractional model of regularized longâ€wave equation arising in ion acoustic plasma waves. Mathematical Methods in the Applied Sciences, 2017, 40, 5642-5653.	1.2	94
21	Analysis of a fractional model of the Ambartsumian equation. European Physical Journal Plus, 2018, 133, 1.	1.2	93
22	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
23	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
24	A hybrid analytical algorithm for nonlinear fractional wave-like equations. Mathematical Modelling of Natural Phenomena, 2019, 14, 304.	0.9	86
25	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:mn>4</mml:mn></mml:mrow><mml:mrow><mml:mo>+</mml:mo></mml:mrow></mml:msup></mml:mrow></mml:math> T-cells with the effect of antiviral drug therapy. AEJ - Alexandria Engineering Journal, 2020, 59, 2053-2064.	3.4	86
26	On the local fractional wave equation in fractal strings. Mathematical Methods in the Applied Sciences, 2019, 42, 1588-1595.	1.2	84
27	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
28	Enzymatic hydrolysis of camel milk casein and its antioxidant properties. Dairy Science and Technology, 2016, 96, 391-404.	2.2	75
29	Numerical computation of fractional Blackâ€“Scholes equation arising in financial market. Egyptian Journal of Basic and Applied Sciences, 2014, 1, 177-183.	0.2	74
30	Antioxidant and antimicrobial activity of camel milk casein hydrolysates and its fractions. Small Ruminant Research, 2016, 139, 20-25.	0.6	74
31	A reliable numerical algorithm for the fractional vibration equation. Chaos, Solitons and Fractals, 2017, 103, 131-138.	2.5	74
32	Camel Milk: An Important Natural Adjuvant. Agricultural Research, 2017, 6, 327-340.	0.9	73
33	An Efficient Computational Technique for Fractal Vehicular Traffic Flow. Entropy, 2018, 20, 259.	1.1	73
34	A Reliable Algorithm for a Local Fractional Tricomi Equation Arising in Fractal Transonic Flow. Entropy, 2016, 18, 206.	1.1	71
35	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
36	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

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37	An efficient computational technique for local fractional Fokker Planck equation. Physica A: Statistical Mechanics and Its Applications, 2020, 555, 124525.	1.2	71
38	Analysis of an El Nino-Southern Oscillation model with a new fractional derivative. Chaos, Solitons and Fractals, 2017, 99, 109-115.	2.5	69
39	Analysis of fractional model of guava for biological pest control with memory effect. Journal of Advanced Research, 2021, 32, 99-108.	4.4	62
40	Homotopy Perturbation Method for Fractional Gas Dynamics Equation Using Sumudu Transform. Abstract and Applied Analysis, 2013, 2013, 1-8.	0.3	59
41	Exponentiated Chen distribution: Properties and estimation. Communications in Statistics Part B: Simulation and Computation, 2017, 46, 8118-8139.	0.6	59
42	A New Extension of Generalized Exponential Distribution with Application to Ozone Data. Ozone: Science and Engineering, 2017, 39, 273-285.	1.4	58
43	Numerical simulation of fifth order KdV equations occurring in magneto-acoustic waves. Ain Shams Engineering Journal, 2018, 9, 2265-2273.	3.5	55
44	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
45	Numerical Computation of a Fractional Model of Differential-Difference Equation. Journal of Computational and Nonlinear Dynamics, 2016, 11, .	0.7	53
46	Effects of incorporation of ground mustard on quality attributes of chicken nuggets. Journal of Food Science and Technology, 2011, 48, 759-762.	1.4	52
47	Fractional modified Kawahara equation with Mittagâ€“Leffler law. Chaos, Solitons and Fractals, 2020, 131, 109508.	2.5	52
48	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
49	The Marshallâ€“Olkin alpha power family of distributions with applications. Journal of Computational and Applied Mathematics, 2019, 351, 41-53.	1.1	51
50	New treatment of fractional Fornbergâ€“Whitham equation via Laplace transform. Ain Shams Engineering Journal, 2013, 4, 557-562.	3.5	50
51	A Novel Numerical Approach for a Nonlinear Fractional Dynamical Model of Interpersonal and Romantic Relationships. Entropy, 2017, 19, 375.	1.1	49
52	Editorial: Fractional Calculus and Its Applications in Physics. Frontiers in Physics, 2019, 7, .	1.0	49
53	An efficient computational method for local fractional transport equation occurring in fractal porous media. Computational and Applied Mathematics, 2020, 39, 1.	1.0	48
54	An efficient computational approach for time-fractional Rosenauâ€“Hyman equation. Neural Computing and Applications, 2018, 30, 3063-3070.	3.2	47

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55	Numerical computation of Kleinâ€“Gordon equations arising in quantum field theory by using homotopy analysis transform method. AEJ - Alexandria Engineering Journal, 2014, 53, 469-474.	3.4	46
56	Analytical study for MHD flow of Williamson nanofluid with the effects of variable thickness, nonlinear thermal radiation and improved Fourierâ€™s and Fickâ€™s Laws. SN Applied Sciences, 2020, 2, 1.	1.5	46
57	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
58	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
59	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
60	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
61	New homotopy analysis transform algorithm to solve volterra integral equation. Ain Shams Engineering Journal, 2014, 5, 243-246.	3.5	40
62	Analysis of logistic equation pertaining to a new fractional derivative with non-singular kernel. Advances in Mechanical Engineering, 2017, 9, 168781401769006.	0.8	40
63	Fractional Klein-Gordon-SchrÃ¶dinger equations with Mittag-Leffler memory. Chinese Journal of Physics, 2020, 68, 65-78.	2.0	40
64	A modified homotopy analysis method for solution of fractional wave equations. Advances in Mechanical Engineering, 2015, 7, 168781401562033.	0.8	38
65	Analytical solutions of convectionâ€“diffusion problems by combining Laplace transform method and homotopy perturbation method. AEJ - Alexandria Engineering Journal, 2015, 54, 645-651.	3.4	38
66	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
67	An efficient technique for nonlinear time-fractional Kleinâ€“Fockâ€“Gordon equation. Applied Mathematics and Computation, 2020, 364, 124637.	1.4	36
68	Numerical computation of nonlinear shock wave equation of fractional order. Ain Shams Engineering Journal, 2015, 6, 605-611.	3.5	35
69	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
70	Numerical computation of nonlinear fractional Zakharovâ€“Kuznetsov equation arising in ion-acoustic waves. Journal of the Egyptian Mathematical Society, 2014, 22, 373-378.	0.6	34
71	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
72	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

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73	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
74	Modified Kawahara equation within a fractional derivative with non-singular kernel. Thermal Science, 2018, 22, 789-796.	0.5	34
75	Fractional modelling arising in unidirectional propagation of long waves in dispersive media. Advances in Nonlinear Analysis, 2016, 5, 383-394.	1.3	33
76	Efficacy of Sweet Potato Powder and Added Water as Fat Replacer on the Quality Attributes of Low-fat Pork Patties. Asian-Australasian Journal of Animal Sciences, 2015, 28, 252-259.	2.4	33
77	Numerical Solutions of Nonlinear Fractional Partial Differential Equations Arising in Spatial Diffusion of Biological Populations. Abstract and Applied Analysis, 2014, 2014, 1-12.	0.3	32
78	A fractional model of Navierâ€“Stokes equation arising in unsteady flow of a viscous fluid. Journal of the Association of Arab Universities for Basic and Applied Sciences, 2015, 17, 14-19.	1.0	32
79	A reliable treatment of residual power series method for time-fractional Blackâ€“Scholes European option pricing equations. Physica A: Statistical Mechanics and Its Applications, 2019, 533, 122040.	1.2	32
80	Numerical study for systems of fractional differential equations via Laplace transform. Journal of the Egyptian Mathematical Society, 2015, 23, 256-262.	0.6	31
81	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
82	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
83	A reliable analytical approach for a fractional model of advection-dispersion equation. Nonlinear Engineering, 2019, 8, 107-116.	1.4	30
84	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
85	A reliable algorithm for KdV equations arising in warm plasma. Nonlinear Engineering, 2016, 5, .	1.4	29
86	Effect of Hall current on the magnetohydrodynamic free convective flow between vertical walls with induced magnetic field. European Physical Journal Plus, 2018, 133, 1.	1.2	29
87	A hybrid computational approach for Jefferyâ€“Hamel flow in non-parallel walls. Neural Computing and Applications, 2019, 31, 2407-2413.	3.2	29
88	Numerical study for fractional model of non-linear predator-prey biological population dynamical system. Thermal Science, 2019, 23, 2017-2025.	0.5	28
89	A computational study of fractional model of atmospheric dynamics of carbon dioxide gas. Chaos, Solitons and Fractals, 2021, 142, 110375.	2.5	27
90	An Efficient Approach for Fractional Harry Dym Equation by Using Sumudu Transform. Abstract and Applied Analysis, 2013, 2013, 1-8.	0.3	26

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91	The Weibull Marshallâ€“Olkin Lindley distribution: properties and estimation. Journal of Taibah University for Science, 2020, 14, 192-204.	1.1	26
92	Development and Evaluation of Silver-Impregnated Amniotic Membrane as an Antimicrobial Burn Dressing. Journal of Burn Care and Research, 2008, 29, 64-72.	0.2	24
93	Analytical solution of Abel integral equation arising in astrophysics via Laplace transform. Journal of the Egyptian Mathematical Society, 2015, 23, 102-107.	0.6	24
94	Extended exponential distribution based on order statistics. Communications in Statistics - Theory and Methods, 2017, 46, 9166-9184.	0.6	24
95	Analytic study for fractional coupled Burgerâ€™s equations via Sumudu transform method. Nonlinear Engineering, 2018, 7, 323-332.	1.4	24
96	Effect of sericin supplementation on heat shock protein 70 (HSP70) expression, redox status and post thaw semen quality in goat. Cryobiology, 2018, 84, 33-39.	0.3	24
97	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
98	A new fractional model for convective straight fins with temperature-dependent thermal conductivity. Thermal Science, 2018, 22, 2791-2802.	0.5	24
99	Analysis of a New Fractional Model for Damped Bergersâ€™ Equation. Open Physics, 2017, 15, 35-41.	0.8	23
100	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
101	A fractional model of a dynamical Brusselator reaction-diffusion system arising in triple collision and enzymatic reactions. Nonlinear Engineering, 2016, 5, .	1.4	22
102	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
103	Analytical approach for fractional extended Fisherâ€“Kolmogorov equation with Mittag-Leffler kernel. Advances in Difference Equations, 2020, 2020, .	3.5	22
104	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
105	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
106	Certain fractional calculus and integral transform results of incomplete â„µâ€functions with applications. Mathematical Methods in the Applied Sciences, 2020, 43, 5602-5614.	1.2	20
107	Fractional modelling for BBM-Burger equation by using new homotopy analysis transform method. Journal of the Association of Arab Universities for Basic and Applied Sciences, 2014, 16, 16-20.	1.0	18
108	Numerical approximation of Newell-Whitehead-Segel equation of fractional order. Nonlinear Engineering, 2016, 5, .	1.4	18

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109	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
110	On the integral operators pertaining to a family of incomplete <i>I</i>-functions. AIMS Mathematics, 2020, 5, 1247-1259.	0.7	17
111	New approach on controllability of Hilfer fractional derivatives with nondense domain. AIMS Mathematics, 2022, 7, 10079-10095.	0.7	17
112	Expectation identities of lower generalized order statistics from generalized exponential distribution and a characterization. Mathematical Methods of Statistics, 2011, 20, 150-157.	0.1	16
113	A fractional model of fluid flow through porous media with mean capillary pressure. Journal of the Association of Arab Universities for Basic and Applied Sciences, 2016, 21, 59-63.	1.0	16
114	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
115	Trigonometric quinticB-spline collocation method for singularly perturbed turning point boundary value problems. International Journal of Computer Mathematics, 2021, 98, 1029-1048.	1.0	16
116	Numerical investigation of fractional model of phytoplanktonâ€“toxic phytoplanktonâ€“zooplankton system with convergence analysis. International Journal of Biomathematics, 2022, 15, .	1.5	16
117	A New Fractional Model of Nonlinear Shock Wave Equation Arising in Flow of Gases. Nonlinear Engineering, 2014, 3, 43-50.	1.4	15
118	Numerical computation of fractional multi-dimensional diffusion equations by using a modified homotopy perturbation method. Journal of the Association of Arab Universities for Basic and Applied Sciences, 2015, 17, 20-26.	1.0	15
119	A computational approach for fractional convection-diffusion equation via integral transforms. Ain Shams Engineering Journal, 2018, 9, 1019-1028.	3.5	15
120	Effects of incorporation of camel milk casein hydrolysate on quality, oxidative and microbial stability of goat meat emulsion during refrigerated (4 Â± 1 Â°C) storage. Small Ruminant Research, 2016, 144, 149-157.	0.6	14
121	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
122	A comparative analysis of two computational schemes for solving local fractional Laplace equations. Mathematical Methods in the Applied Sciences, 0, , .	1.2	14
123	Homotopy Perturbation Algorithm Using Laplace Transform for Gas Dynamics Equation. Journal of Applied Mathematics, Statistics and Informatics, 2012, 8, 55-61.	0.1	13
124	$$alpha $$ Î± Logarithmic Transformed Family of Distributions with Application. Annals of Data Science, 2017, 4, 457-482.	1.7	13
125	An integral operator involving generalized Mittag-Leffler function and associated fractional calculus results. Journal of Analysis, 2019, 27, 727-740.	0.3	13
126	An Efficient Computational Method for the Time-Space Fractional Klein-Gordon Equation. Frontiers in Physics, 2020, 8, .	1.0	13

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127	Power generalized Weibull distribution based on order statistics. , 2017, 51, 61-78.		13
128	An efficient analytical scheme with convergence analysis for computational study of local fractional SchrÃ¶dinger equations. Mathematics and Computers in Simulation, 2022, 196, 296-318.	2.4	13
129	Explicit expressions and statistical inference of generalized rayleigh distribution based on lower record values. Mathematical Methods of Statistics, 2015, 24, 225-241.	0.1	12
130	Approximate analytical solution of fractional order biochemical reaction model and its stability analysis. International Journal of Biomathematics, 2019, 12, 1950059.	1.5	12
131	Interrelationships Between Marichevâ€“Saigoâ€“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
132	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
133	Fractional Kinetic Equations Associated with Incomplete I-Functions. Fractal and Fractional, 2020, 4, 19.	1.6	12
134	Physio-biochemical insights into sugarcane genotypes under water stress. Biological Rhythm Research, 2021, 52, 92-115.	0.4	12
135	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
136	New models of fractional blood ethanol and twoâ€cell cubic autocatalator reaction equations. Mathematical Methods in the Applied Sciences, 2023, 46, 7767-7778.	1.2	12
137	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
138	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
139	Marshallâ€“Olkin Power Generalized Weibull Distribution with Applications in Engineering and Medicine. Journal of Statistical Theory and Applications, 2020, 19, 223.	0.4	12
140	Analysis of local fractional coupled Helmholtz and coupled Burgers' equations in fractal media. AIMS Mathematics, 2022, 7, 8080-8111.	0.7	12
141	Gamma radiation synthesis of colloidal AgNPs for its potential application in antimicrobial fabrics. Radiation Physics and Chemistry, 2015, 115, 62-67.	1.4	11
142	Numerical simulation of a fractional model of temperature distribution and heat flux in the semi infinite solid. AEJ - Alexandria Engineering Journal, 2016, 55, 87-91.	3.4	11
143	Impact of generalized Fourierâ€™s law and Fickâ€™s law for MHD flow of Agâ€™H₂O and TiO₂â€™H₂O nanomaterials. Multidiscipline Modeling in Materials and Structures, 2019, 15, 1075-1099.	0.6	11
144	Certain Unified Integrals Associated with Product of M-Series and Incomplete H-functions. Mathematics, 2019, 7, 1191.	1.1	11

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145	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
146	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
147	On Moments of Lower Generalized Order Statistics from Exponentiated Lomax Distribution. American Journal of Mathematical and Management Sciences, 2013, 32, 238-256.	0.6	10
148	The Type I Generalized Half-Logistic Distribution Based on Upper Record Values. Journal of Probability and Statistics, 2015, 2015, 1-11.	0.3	10
149	Relations for Moments of Generalized Order Statistics from Extended Exponential Distribution. American Journal of Mathematical and Management Sciences, 2017, 36, 378-400.	0.6	10
150	Order Statistics from the Power Lindley Distribution and Associated Inference with Application. Annals of Data Science, 2019, 6, 153-177.	1.7	10
151	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
152	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
153	Analytical modeling for fractional multi-dimensional diffusion equations by using Laplace transform. Communications in Numerical Analysis, 2015, 2015, 16-29.	0.1	10
154	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
155	Analytical investigation of polar fluid flow with induced magnetic field in concentric annular region. Heat Transfer, 2020, 49, 3943-3957.	1.7	9
156	The Burr Type Xii Distribution with Some Statistical Properties. Journal of Data Science, 2017, 15, 509-534.	0.5	9
157	<scp>l</scp>-Histidine-Derived Smart Antifouling Biohybrid with Multistimuli Responsivity. Biomacromolecules, 2021, 22, 3941-3949.	2.6	9
158	Facile access to functional polyacrylates with dual stimuli response and tunable surface hydrophobicity. Polymer Chemistry, 2021, 12, 3042-3051.	1.9	9
159	A reliable numerical approach for nonlinear fractional optimal control problems. International Journal of Nonlinear Sciences and Numerical Simulation, 2020, .	0.4	9
160	Computational Study of a Local Fractional Tricomi Equation Occurring in Fractal Transonic Flow. Journal of Computational and Nonlinear Dynamics, 2022, 17, .	0.7	9
161	Bounded M-O Extended Exponential Distribution with Applications. Stochastics and Quality Control, 2019, 34, 35-51.	0.2	8
162	Analytical study of fractional nonlinear SchrÃ¶dinger equation with harmonic oscillator. Discrete and Continuous Dynamical Systems - Series S, 2021, 14, 3589.	0.6	8

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163	On the Elzaki transform and its applications in fractional free electron laser equation. Acta Universitatis Sapientiae, Mathematica, 2019, 11, 419-429.	0.0	8
164	Facile access to template-shape-replicated nitrogen-rich mesoporous carbon nanospheres for highly efficient CO₂ capture and contaminant removal. Materials Advances, 2022, 3, 665-671.	2.6	8
165	Analytical Solution of Fractional Differential Equations arising in Fluid Mechanics by using Sumudu transform method. Nonlinear Engineering, 2014, 3, .	1.4	7
166	Variability in permeability and integrity of cell membrane and depletion of food reserves in neem (Azadirachta indica) seeds from trees of different age classes. Journal of Forestry Research, 2014, 25, 147-153.	1.7	7
167	Numerical computation of fractional Lotka-Volterra equation arising in biological systems. Nonlinear Engineering, 2015, 4, .	1.4	7
168	The Singhâ€“Maddala distribution: properties and estimation. International Journal of Systems Assurance Engineering and Management, 2017, 8, 1297-1311.	1.5	7
169	Generalized Lindley Distribution Based on Order Statistics and Associated Inference with Application. Annals of Data Science, 2019, 6, 707-736.	1.7	7
170	Application of incomplete Hâ€“functions in determination of Lambertâ€™s law. Journal of Interdisciplinary Mathematics, 2019, 22, 1205-1212.	0.4	7
171	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
172	On time fractional pseudoâ€parabolic equations with nonâ€local in time condition. Mathematical Methods in the Applied Sciences, 2023, 46, 7779-7797.	1.2	7
173	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
174	Transient Free Convection MHD Flow of a Nanofluid Past a Vertical Plate with Radiation in the Presence of Heat Generation. Journal of Nanofluids, 2017, 6, 80-86.	1.4	7
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