Dinesh Kumar

List of Publications by Year
in descending order

69 papers	506 citations	11 h-index

840776

839539

18 g-index

69 all docs	69 docs citations	69 times ranked

218 citing authors

#	Article	IF	Citations
1	Solutions of Fractional Kinetic Equation Associated with the Generalized Multiindex Bessel Function via Laplace Transform. Differential Equations and Dynamical Systems, 2023, 31, 357-370.	1.0	9
2	On Transformation Involving Basic Analogue to the Aleph-Function of Two Variables. Fractal and Fractional, 2022, 6, 71.	3.3	1
3	Approximate Analytical Solution for Non-Linear Fitzhugh–Nagumo Equation of Time Fractional Order Through Fractional Reduced Differential Transform Method. International Journal of Applied and Computational Mathematics, 2022, 8, 1.	1.6	8
4	Numerical solution of unsteady state fractional advection–dispersion equation. Arab Journal of Basic and Applied Sciences, 2022, 29, 77-85.	2.1	5
5	Time-fractional partial differential equations: a novel technique for analytical and numerical solutions. Arab Journal of Basic and Applied Sciences, 2022, 29, 86-98.	2.1	10
6	Dirichlet Averages of Generalized Mittag-Leffler Type Function. Fractal and Fractional, 2022, 6, 297.	3.3	4
7	Boros integral involving the generalized multi-index Mittag-Leffler function and incomplete *I*-functions. , 2022, 9, .		2
8	The Impact on Raise of Environmental Pollution and Occurrence in Biological Populations Pertaining to Incomplete H-function. The National Academy of Sciences, India, 2021, 44, 263-266.	1.3	16
9	Impacts of Environmental Pollution on the Growth and Conception of Biological Populations Involving Incomplete I-Function. Lecture Notes on Data Engineering and Communications Technologies, 2021, , 567-575.	0.7	3
10	Certain integral involving the product of Srivastava polynomials and special functions. Afrika Matematika, 2021, 32, 1111-1119.	0.8	0
11	Application of Jacobi Polynomial and Multivariable Aleph- Function in Heat Conduction in Non-Homogeneous Moving Rectangular Parallelepiped. Kragujevac Journal of Mathematics, 2021, 45, 439-448.	0.6	3
12	Certain Classes of Analytic Functions Bound with Kober Operators in q-Calculus. Journal of Mathematics, 2021, 2021, 1-8.	1.0	4
13	Application of Green Synthesized Metal Nanoparticles in the Photocatalytic Degradation of Dyes and Its Mathematical Modelling Using the Caputo–Fabrizio Fractional Derivative without the Singular Kernel. Journal of Mathematics, 2021, 2021, 1-8.	1.0	9
14	Entropy generation in a micropolar fluid past an inclined channel with velocity slip and heat flux conditions: Variation parameter method. Heat Transfer, 2021, 50, 7425.	3.0	10
15	Computational Behavior of Second Law Poiseuille Flow of Micropolar Fluids in a Channel: Analytical Treatment. Journal of Mathematics, 2021, 2021, 1-13.	1.0	3
16	Certain Class of Analytic Functions with respect to Symmetric Points Defined by Q-Calculus. Journal of Mathematics, 2021, 2021, 1-9.	1.0	10
17	A Numerical Simulation on the Effect of Vaccination and Treatments for the Fractional Hepatitis B Model. Journal of Computational and Nonlinear Dynamics, 2021, 16, .	1.2	19
18	On Multi-Index Mittag–Leffler Function of Several Variables and Fractional Differential Equations. Journal of Mathematics, 2021, 2021, 1-8.	1.0	3

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19	Certain Finite Integrals Related to the Products of Special Functions. Symmetry, 2021, 13, 2013.	2.2	1
20	Solution of Fractional Kinetic Equations Associated with the (p, q)-Series. Discrete Dynamics in Nature and Society, 2020, 2020, 1-7.	0.9	15
21	On Transformation Involving Basic Analogue of Multivariable H-Function. Journal of Function Spaces, 2020, 2020, 1-7.	0.9	2
22	New classes of bi-univalent functions. Journal of Interdisciplinary Mathematics, 2020, 23, 583-590.	0.7	4
23	Fractional calculus operators with Appell function kernels applied to Srivastava polynomials and extended Mittag-Leffler function. Advances in Difference Equations, 2020, 2020, .	3.5	12
24	Solution of fractional kinetic equations involving class of functions and Sumudu transform. Advances in Difference Equations, 2020, 2020, .	3.5	12
25	Some new results for the Srivastava-Luo-Raina $\mathbb{M}$-transform pertaining to the incomplete <i>H</i>-functions. AIMS Mathematics, 2020, 5, 717-722.	1.6	6
26	A New Class of Integrals Involving Generalized Hypergeometric Function and Multivariable Aleph-Function. Kragujevac Journal of Mathematics, 2020, 44, 539-550.	0.6	5
27	FINITE INTEGRAL FORMULA INVOLVING ALEPH–FUNCTION AND GENERALIZED MITTAG–LEFFLER FUNCTION. Problemy Analiza, 2020, 27, 96-109.	0.3	2
28	<i>S</i>-function associated with fractional derivative and double Dirichlet average. AIMS Mathematics, 2020, 5, 1372-1382.	1.6	2
29	Application of Fractional Operators in Modelling for Charge Carrier Transport in Amorphous Semiconductor with Multiple Trapping. International Journal of Applied and Computational Mathematics, 2019, 5, 1.	1.6	12
30	Applications to give an analytical solution to the Black Scholes equation. Integral Transforms and Special Functions, 2019, 30, 205-230.	1.2	5
31	Fractional Order Integration and Certain Integrals of Generalized Multiindex Bessel Function. Springer Proceedings in Mathematics and Statistics, 2019, , 155-167.	0.2	2
32	Fractional calculus pertaining to multivariable <i>I</i>-function defined by Prathima. Journal of Applied Mathematics, Statistics and Informatics, 2019, 15, 61-73.	0.2	1
33	A Note on $$K_4$$ K 4 Fractional Integral Operator. International Journal of Applied and Computational Mathematics, 2018, 4, 1.	1.6	0
34	Integral Inequalities Associated with Gauss Hypergeometric Function Fractional Integral Operators. Proceedings of the National Academy of Sciences India Section A - Physical Sciences, 2018, 88, 27-31.	1.2	11
35	Finite integral formulas involving aleph function. Boletim Da Sociedade Paranaense De Matematica, 2018, 36, 177.	0.4	4
36	Generating relations and multivariable Aleph-function. Analysis (Germany), 2018, 38, 137-143.	0.4	6

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37	Automation of boiler process at thermal power plant using sensors and IoT. Journal of Statistics and Management Systems, 2018, 21, 675-683.	0.6	3
38	Fredholm type integral equation with special functions. Acta Universitatis Sapientiae, Mathematica, 2018, 10, 5-17.	0.2	3
39	Class of Integrals Involving Generalized Hypergeometric Function and Srivastavaâ€™s Polynomials. International Journal of Applied and Computational Mathematics, 2017, 3, 1197-1203.	1.6	4
40	Marichev-Saigo-Maeda fractional calculus operators, Srivastava polynomials and generalized Mittag-Leffler function. Cogent Mathematics, 2017, 4, 1320830.	0.4	17
41	Pathway fractional integral operators of generalized k-wright function and k4-function. Boletim Da Sociedade Paranaense De Matematica, 2017, 35, 235.	0.4	3
42	Generalized fractional calculus of the multiindex Bessel function. , 2017, 01, 26-32.		12
43	GENERALIZED FRACTIONAL DIFFERINTEGRAL OPERATORS OF THE K-SERIES. Honam Mathematical Journal, 2017, 39, 61-71.	0.1	1
44	An Extension of the ï„ -Gauss Hypergeometric Functions and its Properties. Mathematical Sciences and Applications E-Notes, 2017, 5, 57-63.	0.8	0
45	Generalized fractional integrals of product of two *H*-functions and a general class of polynomials. International Journal of Computer Mathematics, 2016, 93, 1320-1329.	1.8	21
46	A unified study of Fourier series involving the Aleph-function and the KampÃ© de FÃ©riet's function. International Journal of Mathematics Trends and Technology, 2016, 35, 40-48.	0.1	4
47	Certain finite double integrals involving the hypergeometric function and Aleph-function. International Journal of Mathematics Trends and Technology, 2016, 35, 49-55.	0.1	6
48	Generalized Fractional Integrals Involving Product of Multivariable H-function and a General Class of Polynomials. Journal of Nonlinear Science and Applications, 2016, 09, 8-21.	1.0	19
49	The multivariable H-function and the general class of Srivastava polynomials involving the generalized Mellin-Barnes contour integrals. Filomat, 2016, 30, 1457-1464.	0.5	13
50	FRACTIONAL DIFFERENTIATION OF THE PRODUCT OF APPELL FUNCTION F_3 AND MULTIVARIABLE H-FUNCTIONS. Communications of the Korean Mathematical Society, 2016, 31, 115-129.	0.2	6
51	FRACTIONAL CALCULUS FORMULAS INVOLVING <TEX>$\bar{H}$</TEX>-FUNCTION AND SRIVASTAVA POLYNOMIALS. Communications of the Korean Mathematical Society, 2016, 31, 827-844.	0.2	2
52	Integral Formulas Involving a Product of Generalized Bessel Functions of the First Kind. Kyungpook Mathematical Journal, 2016, 56, 131-136.	0.3	2
53	CERTAIN RESULTS ON EXTENDED GENERALIZED ï„-GAUSS HYPERGEOMETRIC FUNCTION. Honam Mathematical Journal, 2016, 38, 739-752.	0.1	2
54	Certain generalized integral formulas involving Chebyshev Hermite polynomials, generalized M-series and Aleph-function, and their application in heat conduction. International Journal of Mathematical Analysis, 2015, 9, 1795-1803.	0.3	4

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55	On Generalized Fractional Kinetic Equations Involving Generalized Bessel Function of the First Kind. Mathematical Problems in Engineering, 2015, 2015, 1-7.	1.1	28
56	Generalized fractional calculus of the Aleph-function involving a general class of polynomials. Acta Mathematica Scientia, 2015, 35, 1095-1110.	1.0	8
57	A Note on Generating Functions Involving the Generalized Gauss Hypergeometric Functions. The National Academy of Sciences, India, 2014, 37, 457-459.	1.3	17
58	Fractional Calculus of the Generalized Mittag-Leffler Type Function. International Scholarly Research Notices, 2014, 2014, 1-5.	0.9	6
59	Chebyshev Type Integral Inequalities Involving the Fractional Hypergeometric Operators. Abstract and Applied Analysis, 2014, 2014, 1-10.	0.7	12
60	Certain unified fractional integrals and derivatives for a product of Aleph function and a general class of multivariable polynomials. Journal of Inequalities and Applications, 2014, 2014, .	1.1	2
61	Generalized fractional calculus of the product of two N-functions associated with the Appell function F3. Tamkang Journal of Mathematics, 2014, 45, 137.	0.3	0
62	Certain Fractional Integral Formulas Involving the Product of Generalized Bessel Functions. Scientific World Journal, The, 2013, 2013, 1-9.	2.1	8
63	Solutions of Fractional Partial Differential Equations of Quantum Mechanics. Advances in Applied Mathematics and Mechanics, 2013, 5, 639-651.	1.2	40
64	On fractional partial differential equations related to quantum mechanics. Journal of Physics A: Mathematical and Theoretical, 2011, 44, 045202.	2.1	40
65	Certain integral equation of fredholm type with special functions. Sao Paulo Journal of Mathematical Sciences, 0, , 1.	0.4	0
66	Certain generalized fractional differentiation of the product of two aleph-functions associated with the Appell function F_3. Applied Mathematical Sciences, 0, 10, 187-196.	0.1	2
67	Fractional integration formula for the overline H-function. International Journal of Mathematical Analysis, 0, 11, 1-10.	0.3	0
68	INTEGRAL INVOLVING ALEPH-FUNCTION AND THE GENERALIZED INCOMPLETE HYPERGEOMETRIC FUNCTION. Turkish World Mathematical Society Journal of Applied and Engineering Mathematics, 0, , 1-7.	0.0	0
69	Fractional calculus pertaining to multivariable Aleph-function. Boletim Da Sociedade Paranaense De Matematica, 0, 40, 1-10.	0.4	0