Hasib Khan

List of Publications by Year in descending order

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		136950	214800
75	2,496	32	47
papers	citations	h-index	g-index

75	75	75	899
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	On the Stochastic Modeling of COVID-19 under the Environmental White Noise. Journal of Function Spaces, 2022, 2022, 1-9.	0.9	19
2	On fractal-fractional Covid-19 mathematical model. Chaos, Solitons and Fractals, 2022, 157, 111937.	5.1	43
3	A case study of fractal-fractional tuberculosis model in China: Existence and stability theories along with numerical simulations. Mathematics and Computers in Simulation, 2022, 198, 455-473.	4.4	54
4	A fractionalâ€order hybrid system of differential equations: Existence theory and numerical solutions. Mathematical Methods in the Applied Sciences, 2022, 45, 4024-4034.	2.3	8
5	A study on the fractal-fractional tobacco smoking model. AIMS Mathematics, 2022, 7, 13887-13909.	1.6	21
6	A new study on the existence and stability to a system of coupled higher-order nonlinear BVP of hybrid FDEs under the $ p $-Laplacian operator. AIMS Mathematics, 2022, 7, 14187-14207.	1.6	5
7	A NUMERICAL SCHEME FOR THE GENERALIZED ABC FRACTIONAL DERIVATIVE BASED ON LAGRANGE INTERPOLATION POLYNOMIAL. Fractals, 2022, 30, .	3.7	7
8	Optimal control problems with Atanganaâ€Baleanu fractional derivative. Optimal Control Applications and Methods, 2021, 42, 96-109.	2.1	39
9	Investigation of a system of nonlinear fractional order hybrid differential equations under usual boundary conditions for existence of solution. Mathematical Methods in the Applied Sciences, 2021, 44, 1628-1638.	2.3	26
10	A fractional order HIV/AIDS epidemic model with Mittag-Leffler kernel. Advances in Difference Equations, 2021, 2021, .	3.5	29
11	Nonlinear discrete fractional sum inequalities related to the theory of discrete fractional calculus with applications. Advances in Difference Equations, 2021, 2021, .	3.5	3
12	Study of a nonlinear multi-terms boundary value problem of fractional pantograph differential equations. Advances in Difference Equations, 2021, 2021, .	3.5	6
13	Stability analysis of fractional nabla difference COVID-19 model. Results in Physics, 2021, 22, 103888.	4.1	67
14	Exact solutions of conformable fractional differential equations. Results in Physics, 2021, 22, 103916.	4.1	34
15	A fractional order Zika virus model with Mittagâ€“Leffler kernel. Chaos, Solitons and Fractals, 2021, 146, 110898.	5.1	42
16	Existence results for a general class of sequential hybrid fractional differential equations. Advances in Difference Equations, 2021, 2021, .	3.5	10
17	A numerical and analytical study of SE(Is)(Ih)AR epidemic fractional order COVID-19 model. Advances in Difference Equations, 2021, 2021, 293.	3.5	11
18	A Fractional-Order Sequential Hybrid System with an Application to a Biological System. Complexity, 2021, 2021, 1-9.	1.6	3

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19	FRACTIONAL ORDER VOLTERRA INTEGRO-DIFFERENTIAL EQUATION WITH MITTAG-LEFFLER KERNEL. Fractals, 2021, 29, 2150154.	3.7	17
20	A fractional order Covid-19 epidemic model with Mittag-Leffler kernel. Chaos, Solitons and Fractals, 2021, 148, 111030.	5.1	14
21	Existence and Numerical Analysis of Imperfect Testing Infectious Disease Model in the Sense of Fractional-Order Operator. Journal of Function Spaces, 2021, 2021, 1-11.	0.9	2
22	Investigation of the Stochastic Modeling of COVID-19 with Environmental Noise from the Analytical and Numerical Point of View. Mathematics, 2021, 9, 3122.	2.2	19
23	On Iterative Solutions and Error Estimations of a Coupled System of Fractional Order Differential-Integral Equations with Initial and Boundary Conditions. Differential Equations and Dynamical Systems, 2020, 28, 1059-1071.	1.0	4
24	Existence and data dependence theorems for solutions of an ABC-fractional order impulsive system. Chaos, Solitons and Fractals, 2020, 131, 109477.	5.1	58
25	Stability and numerical simulation of a fractional order plant-nectar-pollinator model. AEJ - Alexandria Engineering Journal, 2020, 59, 49-59.	6.4	61
26	Fractional order mathematical modeling of COVID-19 transmission. Chaos, Solitons and Fractals, 2020, 139, 110256.	5.1	129
27	Computational and theoretical modeling of the transmission dynamics of novel COVID-19 under Mittag-Leffler Power Law. AEJ - Alexandria Engineering Journal, 2020, 59, 3133-3147.	6.4	56
28	On existence and stability results to a class of boundary value problems under Mittag-Leffler power law. Advances in Difference Equations, 2020, 2020, .	3.5	8
29	Haar wavelet collocation approach for the solution of fractional order COVID-19 model using Caputo derivative. AEJ - Alexandria Engineering Journal, 2020, 59, 3221-3231.	6.4	49
30	EXISTENCE RESULTS AND STABILITY CRITERIA FOR ABC-FUZZY-VOLTERRA INTEGRO-DIFFERENTIAL EQUATION. Fractals, 2020, 28, 2040048.	3.7	36
31	ANALYSIS OF FRACTALâ€“FRACTIONAL MALARIA TRANSMISSION MODEL. Fractals, 2020, 28, 2040041.	3.7	54
32	Dynamical study of fractional order mutualism parasitism food web module. Chaos, Solitons and Fractals, 2020, 134, 109685.	5.1	76
33	A fractional order HIVâ€TB coinfection model with nonsingular Mittagâ€Leffler Law. Mathematical Methods in the Applied Sciences, 2020, 43, 3786-3806.	2.3	99
34	Near-coincidence point results in metric interval space and hyperspace via simulation functions. Advances in Difference Equations, 2020, 2020, .	3.5	3
35	On new fractional integral inequalities for p-convexity within interval-valued functions. Advances in Difference Equations, 2020, 2020, .	3.5	30
36	Existence and data-dependence theorems for fractional impulsive integro-differential system. Advances in Difference Equations, 2020, 2020, .	3.5	10

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37	Stability analysis of a dynamical model of tuberculosis with incomplete treatment. Advances in Difference Equations, 2020, 2020, .	3.5	39
38	Study of fractional order pantograph type impulsive antiperiodic boundary value problem. Advances in Difference Equations, 2020, 2020, .	3.5	8
39	STABILITY RESULTS AND EXISTENCE THEOREMS FOR NONLINEAR DELAY-FRACTIONAL DIFFERENTIAL EQUATIONS WITH <inline-formula><tex-math id="M1">$ varphi^*_P $</tex-math></inline-formula>-OPERATOR. Journal of Applied Analysis and Computation, 2020, 10, 584-597.	0.5	11
40	Fixed point theorems for quadruple self-mappings satisfying integral type inequalities. Filomat, 2020, 34, 905-917.	0.5	2
41	Green function's properties and existence theorems for nonlinear singular-delay-fractional differential equations. Discrete and Continuous Dynamical Systems - Series S, 2020, 13, 2475-2487.	1.1	21
42	Derivation of dynamical integral inequalities based on two-dimensional time scales theory. Journal of Inequalities and Applications, 2020, 2020, .	1.1	0
43	Existence results in Banach space for a nonlinear impulsive system. Advances in Difference Equations, 2019, 2019, .	3.5	34
44	Existence and Hyers-Ulam stability for a nonlinear singular fractional differential equations with Mittag-Leffler kernel. Chaos, Solitons and Fractals, 2019, 127, 422-427.	5.1	138
45	Minkowskiâ€™s inequality for the AB-fractional integral operator. Journal of Inequalities and Applications, 2019, 2019, .	1.1	29
46	Existence of positive solution and Hyersâ€“Ulam stability for a nonlinear singular-delay-fractional differential equation. Advances in Difference Equations, 2019, 2019, .	3.5	48
47	A singular ABC-fractional differential equation with p-Laplacian operator. Chaos, Solitons and Fractals, 2019, 129, 56-61.	5.1	66
48	Stability analysis for fractional order advectionâ€“reaction diffusion system. Physica A: Statistical Mechanics and Its Applications, 2019, 521, 737-751.	2.6	66
49	Inequalities for n-class of functions using the Saigo fractional integral operator. Revista De La Real Academia De Ciencias Exactas, Fisicas Y Naturales - Serie A: Matematicas, 2019, 113, 2407-2420.	1.2	18
50	Analytical solutions of time-fractional wave equation by double Laplace transform method. European Physical Journal Plus, 2019, 134, 1.	2.6	49
51	Existence of solution for a fractionalâ€order Lotkaâ€Volterra reactionâ€diffusion model with Mittagâ€Leffler kernel. Mathematical Methods in the Applied Sciences, 2019, 42, 3377-3387.	2.3	73
52	Stability analysis and numerical solutions of fractional order HIV/AIDS model. Chaos, Solitons and Fractals, 2019, 122, 119-128.	5.1	126
53	Stability analysis and a numerical scheme for fractional Kleinâ€Gordon equations. Mathematical Methods in the Applied Sciences, 2019, 42, 723-732.	2.3	46
54	Analysis of positive solution and Hyersâ€Ulam stability for a class of singular fractional differential equations with pâ€Laplacian in Banach space. Mathematical Methods in the Applied Sciences, 2018, 41, 3430-3440.	2.3	42

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55	Hyersâ€“Ulam stability and existence criteria for coupled fractional differential equations involving p-Laplacian operator. Advances in Difference Equations, 2018, 2018, .	3.5	28
56	Stability and existence results for a class of nonlinear fractional differential equations with singularity. Mathematical Methods in the Applied Sciences, 2018, 41, 9321-9334.	2.3	36
57	A generalization of Minkowskiâ€™s inequality by Hahn integral operator. Journal of Taibah University for Science, 2018, 12, 506-513.	2.5	15
58	Stability analysis of nonlinear fractional differential equations with Caputo and Riemann-Liouville derivatives. European Physical Journal Plus, 2018, 133, 1.	2.6	44
59	EXISTENCE THEOREMS AND HYERS-ULAM STABILITY FOR A CLASS OF HYBRID FRACTIONAL DIFFERENTIAL EQUATIONS WITH P -LAPLACIAN OPERATOR. Journal of Applied Analysis and Computation, 2018, 8, 1211-1226.	0.5	21
60	New method for investigating the density-dependent diffusion Nagumo equation. Thermal Science, 2018, 22, 143-152.	1.1	9
61	A modification fractional variational iteration method for solving nonlinear gas dynamic and coupled KdV equations involving local fractional operators. Thermal Science, 2018, 22, 165-175.	1.1	44
62	Modified variational iteration method for straight fins with temperature dependent thermal conductivity. Thermal Science, 2018, 22, 229-236.	1.1	15
63	Existence theorems and Hyers-Ulam stability for a coupled system of fractional differential equations with p-Laplacian operator. Boundary Value Problems, 2017, 2017, .	0.7	44
64	Chaos in a Cancer Model via Fractional Derivatives with Exponential Decay and Mittag-Leffler Law. Entropy, 2017, 19, 681.	2.2	70
65	A fixed point theorem on multiplicative metric space with integral-type inequality. Journal of Mathematics and Computer Science, 2017, 18, 18-28.	1.0	1
66	Existence of solution and Hyers-Ulam stability for a coupled system of fractional differential equations with p-Laplacian operator. Journal of Nonlinear Science and Applications, 2017, 10, 5219-5229.	1.0	11
67	Inequalities for new class of fractional integral operators. Journal of Nonlinear Science and Applications, 2017, 10, 6166-6176.	1.0	5
68	Approximate Analytical Solution of a Coupled System of Fractional Partial Differential Equations by Bernstein Polynomials. International Journal of Applied and Computational Mathematics, 2016, 2, 85-96.	1.6	12
69	Existence criterion for the solutions of fractional order p-Laplacian boundary value problems. Boundary Value Problems, 2015, 2015, .	0.7	40
70	On the Exact Solution of Wave Equations on Cantor Sets. Entropy, 2015, 17, 6229-6237.	2.2	23
71	On the existence of solution for fractional differential equations of order 3 < Î´ 1 â‰¤ 4 $3<delta_{1}leq4$. Advances in Difference Equations, 2015, 2015, .	3.5	19
72	On existence results for solutions of a coupled system of hybrid boundary value problems with hybrid conditions. Advances in Difference Equations, 2015, 2015, .	3.5	48

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73	Results for Mild solution of fractional coupled hybrid boundary value problems. Open Mathematics, 2015, 13, .	1.0	26
74	On Approximate Solution Of Fractional Order Logistic Equations By Operational Matrices Of Bernstein Polynomials. Journal of Mathematics and Computer Science, 2015, 14, 222-232.	1.0	9
75	Numerical Solutions of the Nonlinear Fractional-Order Brusselator System by Bernstein Polynomials. Scientific World Journal, The, 2014, 2014, 1-7.	2.1	8