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	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
2	Fractional order mathematical modeling of COVID-19 transmission. Chaos, Solitons and Fractals, 2020, 139, 110256.	5.1	129
3	Stability analysis and numerical solutions of fractional order HIV/AIDS model. Chaos, Solitons and Fractals, 2019, 122, 119-128.	5.1	126
4	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
5	Dynamical study of fractional order mutualism parasitism food web module. Chaos, Solitons and Fractals, 2020, 134, 109685.	5.1	76
6	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
7	Chaos in a Cancer Model via Fractional Derivatives with Exponential Decay and Mittag-Leffler Law. Entropy, 2017, 19, 681.	2.2	70
8	Stability analysis of fractional nabla difference COVID-19 model. Results in Physics, 2021, 22, 103888.	4.1	67
9	A singular ABC-fractional differential equation with p-Laplacian operator. Chaos, Solitons and Fractals, 2019, 129, 56-61.	5.1	66
10	Stability analysis for fractional order advectionâ€“reaction diffusion system. Physica A: Statistical Mechanics and Its Applications, 2019, 521, 737-751.	2.6	66
11	Stability and numerical simulation of a fractional order plant-nectar-pollinator model. AEJ - Alexandria Engineering Journal, 2020, 59, 49-59.	6.4	61
12	Existence and data dependence theorems for solutions of an ABC-fractional order impulsive system. Chaos, Solitons and Fractals, 2020, 131, 109477.	5.1	58
13	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
14	ANALYSIS OF FRACTALâ€“FRACTIONAL MALARIA TRANSMISSION MODEL. Fractals, 2020, 28, 2040041.	3.7	54
15	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
16	Analytical solutions of time-fractional wave equation by double Laplace transform method. European Physical Journal Plus, 2019, 134, 1.	2.6	49
17	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
18	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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19	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
20	Stability analysis and a numerical scheme for fractional Kleinâ€Gordon equations. Mathematical Methods in the Applied Sciences, 2019, 42, 723-732.	2.3	46
21	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
22	Stability analysis of nonlinear fractional differential equations with Caputo and Riemann-Liouville derivatives. European Physical Journal Plus, 2018, 133, 1.	2.6	44
23	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
24	On fractal-fractional Covid-19 mathematical model. Chaos, Solitons and Fractals, 2022, 157, 111937.	5.1	43
25	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
26	A fractional order Zika virus model with Mittagâ€“Leffler kernel. Chaos, Solitons and Fractals, 2021, 146, 110898.	5.1	42
27	Existence criterion for the solutions of fractional order p-Laplacian boundary value problems. Boundary Value Problems, 2015, 2015, .	0.7	40
28	Optimal control problems with Atanganaâ€Baleanu fractional derivative. Optimal Control Applications and Methods, 2021, 42, 96-109.	2.1	39
29	Stability analysis of a dynamical model of tuberculosis with incomplete treatment. Advances in Difference Equations, 2020, 2020, .	3.5	39
30	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
31	EXISTENCE RESULTS AND STABILITY CRITERIA FOR ABC-FUZZY-VOLTERRA INTEGRO-DIFFERENTIAL EQUATION. Fractals, 2020, 28, 2040048.	3.7	36
32	Existence results in Banach space for a nonlinear impulsive system. Advances in Difference Equations, 2019, 2019, .	3.5	34
33	Exact solutions of conformable fractional differential equations. Results in Physics, 2021, 22, 103916.	4.1	34
34	On new fractional integral inequalities for p-convexity within interval-valued functions. Advances in Difference Equations, 2020, 2020, .	3.5	30
35	Minkowskiâ€™s inequality for the AB-fractional integral operator. Journal of Inequalities and Applications, 2019, 2019, .	1.1	29
36	A fractional order HIV/AIDS epidemic model with Mittag-Leffler kernel. Advances in Difference Equations, 2021, 2021, .	3.5	29

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37	Hyersâ€“Ulam stability and existence criteria for coupled fractional differential equations involving p-Laplacian operator. Advances in Difference Equations, 2018, 2018, .	3.5	28
38	Results for Mild solution of fractional coupled hybrid boundary value problems. Open Mathematics, 2015, 13, .	1.0	26
39	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
40	On the Exact Solution of Wave Equations on Cantor Sets. Entropy, 2015, 17, 6229-6237.	2.2	23
41	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
42	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
43	A study on the fractal-fractional tobacco smoking model. AIMS Mathematics, 2022, 7, 13887-13909.	1.6	21
44	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
45	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
46	On the Stochastic Modeling of COVID-19 under the Environmental White Noise. Journal of Function Spaces, 2022, 2022, 1-9.	0.9	19
47	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
48	FRACTIONAL ORDER VOLTERRA INTEGRO-DIFFERENTIAL EQUATION WITH MITTAG-LEFFLER KERNEL. Fractals, 2021, 29, 2150154.	3.7	17
49	A generalization of Minkowskiâ€™s inequality by Hahn integral operator. Journal of Taibah University for Science, 2018, 12, 506-513.	2.5	15
50	Modified variational iteration method for straight fins with temperature dependent thermal conductivity. Thermal Science, 2018, 22, 229-236.	1.1	15
51	A fractional order Covid-19 epidemic model with Mittag-Leffler kernel. Chaos, Solitons and Fractals, 2021, 148, 111030.	5.1	14
52	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
53	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
54	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

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55	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
56	Existence results for a general class of sequential hybrid fractional differential equations. Advances in Difference Equations, 2021, 2021, .	3.5	10
57	Existence and data-dependence theorems for fractional impulsive integro-differential system. Advances in Difference Equations, 2020, 2020, .	3.5	10
58	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
59	New method for investigating the density-dependent diffusion Nagumo equation. Thermal Science, 2018, 22, 143-152.	1.1	9
60	Numerical Solutions of the Nonlinear Fractional-Order Brusselator System by Bernstein Polynomials. Scientific World Journal, The, 2014, 2014, 1-7.	2.1	8
61	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
62	Study of fractional order pantograph type impulsive antiperiodic boundary value problem. Advances in Difference Equations, 2020, 2020, .	3.5	8
63	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
64	A NUMERICAL SCHEME FOR THE GENERALIZED ABC FRACTIONAL DERIVATIVE BASED ON LAGRANGE INTERPOLATION POLYNOMIAL. Fractals, 2022, 30, .	3.7	7
65	Study of a nonlinear multi-terms boundary value problem of fractional pantograph differential equations. Advances in Difference Equations, 2021, 2021, .	3.5	6
66	Inequalities for new class of fractional integral operators. Journal of Nonlinear Science and Applications, 2017, 10, 6166-6176.	1.0	5
67	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
68	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
69	Nonlinear discrete fractional sum inequalities related to the theory of discrete fractional calculus with applications. Advances in Difference Equations, 2021, 2021, .	3.5	3
70	A Fractional-Order Sequential Hybrid System with an Application to a Biological System. Complexity, 2021, 2021, 1-9.	1.6	3
71	Near-coincidence point results in metric interval space and hyperspace via simulation functions. Advances in Difference Equations, 2020, 2020, .	3.5	3
72	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

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73	Fixed point theorems for quadruple self-mappings satisfying integral type inequalities. Filomat, 2020, 34, 905-917.	0.5	2
74	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
75	Derivation of dynamical integral inequalities based on two-dimensional time scales theory. Journal of Inequalities and Applications, 2020, 2020, .	1.1	0