

Kamal Shah

List of Publications by Year in descending order

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441
papers

11,627
citations

28190

55
h-index

54797

84
g-index

444
all docs

444
docs citations

444
times ranked

2963
citing authors

#	ARTICLE	IF	CITATIONS
1	On Riemann and Caputo fractional differences. Computers and Mathematics With Applications, 2011, 62, 1602-1611.	1.4	475
2	On a new class of fractional operators. Advances in Difference Equations, 2017, 2017, .	3.5	266
3	On a class of ordinary differential equations in the frame of Atangana-Baleanu fractional derivative. Chaos, Solitons and Fractals, 2018, 117, 16-20.	2.5	262
4	Caputo-type modification of the Hadamard fractional derivatives. Advances in Difference Equations, 2012, 2012, .	3.5	237
5	Integration by parts and its applications of a new nonlocal fractional derivative with Mittag-Leffler nonsingular kernel. Journal of Nonlinear Science and Applications, 2017, 10, 1098-1107.	0.4	228
6	On the generalized fractional derivatives and their Caputo modification. Journal of Nonlinear Science and Applications, 2017, 10, 2607-2619.	0.4	192
7	On Fractional Derivatives with Exponential Kernel and their Discrete Versions. Reports on Mathematical Physics, 2017, 80, 11-27.	0.4	191
8	Generalized fractional derivatives and Laplace transform. Discrete and Continuous Dynamical Systems - Series S, 2020, 13, 709-722.	0.6	154
9	Discrete fractional differences with nonsingular discrete Mittag-Leffler kernels. Advances in Difference Equations, 2016, 2016, .	3.5	150
10	On a comprehensive model of the novel coronavirus (COVID-19) under Mittag-Leffler derivative. Chaos, Solitons and Fractals, 2020, 135, 109867.	2.5	149
11	Solutions of the Nonlinear Integral Equation and Fractional Differential Equation Using the Technique of a Fixed Point with a Numerical Experiment in Extended b-Metric Space. Symmetry, 2019, 11, 686.	1.1	141
12	Existence and Hyers-Ulam stability for a nonlinear singular fractional differential equations with Mittag-Leffler kernel. Chaos, Solitons and Fractals, 2019, 127, 422-427.	2.5	138
13	On Caputo modification of the Hadamard fractional derivatives. Advances in Difference Equations, 2014, 2014, .	3.5	133
14	Statistical analysis of forecasting COVID-19 for upcoming month in Pakistan. Chaos, Solitons and Fractals, 2020, 138, 109926.	2.5	130
15	Fractional order mathematical modeling of COVID-19 transmission. Chaos, Solitons and Fractals, 2020, 139, 110256.	2.5	129
16	Controlled Metric Type Spaces and the Related Contraction Principle. Mathematics, 2018, 6, 194.	1.1	128
17	Semi-analytical study of Pine Wilt Disease model with convex rate under Caputo-Febrizio fractional order derivative. Chaos, Solitons and Fractals, 2020, 135, 109754.	2.5	125
18	Fractional logistic models in the frame of fractional operators generated by conformable derivatives. Chaos, Solitons and Fractals, 2019, 119, 94-101.	2.5	109

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19	Numerical solution of fractional order smoking model via laplace Adomian decomposition method. AEJ - Alexandria Engineering Journal, 2018, 57, 1061-1069.	3.4	108
20	A Lyapunov type inequality for fractional operators with nonsingular Mittag-Leffler kernel. Journal of Inequalities and Applications, 2017, 2017, 130.	0.5	105
21	Hybrid nanofluid flow within the conical gap between the cone and the surface of a rotating disk. Scientific Reports, 2021, 11, 1180.	1.6	95
22	Double Controlled Metric Type Spaces and Some Fixed Point Results. Mathematics, 2018, 6, 320.	1.1	94
23	Monotonicity results for fractional difference operators with discrete exponential kernels. Advances in Difference Equations, 2017, 2017, .	3.5	91
24	Investigating a nonlinear dynamical model of COVID-19 disease under fuzzy caputo, random and ABC fractional order derivative. Chaos, Solitons and Fractals, 2020, 140, 110232.	2.5	90
25	Evaluation of one dimensional fuzzy fractional partial differential equations. AEJ - Alexandria Engineering Journal, 2020, 59, 3347-3353.	3.4	90
26	Investigation of positive solution to a coupled system of impulsive boundary value problems for nonlinear fractional order differential equations. Chaos, Solitons and Fractals, 2015, 77, 240-246.	2.5	89
27	On a nonlinear fractional order model of dengue fever disease under Caputo-Fabrizio derivative. AEJ - Alexandria Engineering Journal, 2020, 59, 2305-2313.	3.4	86
28	Fractional operators with exponential kernels and a Lyapunov type inequality. Advances in Difference Equations, 2017, 2017, .	3.5	84
29	On Ulam's Stability for a Coupled Systems of Nonlinear Implicit Fractional Differential Equations. Bulletin of the Malaysian Mathematical Sciences Society, 2019, 42, 2681-2699.	0.4	83
30	Qualitative Analysis of a Mathematical Model in the Time of COVID-19. BioMed Research International, 2020, 2020, 1-11.	0.9	81
31	Dynamical study of fractional order mutualism parasitism food web module. Chaos, Solitons and Fractals, 2020, 134, 109685.	2.5	76
32	Discrete Mittag-Leffler kernel type fractional difference initial value problems and Gronwall's inequality. Journal of Computational and Applied Mathematics, 2018, 339, 218-230.	1.1	75
33	A complex valued approach to the solutions of Riemann-Liouville integral, Atangana-Baleanu integral operator and non-linear Telegraph equation via fixed point method. Chaos, Solitons and Fractals, 2020, 130, 109439.	2.5	73
34	Analysis of the fractional diffusion equations with fractional derivative of non-singular kernel. Advances in Difference Equations, 2017, 2017, .	3.5	72
35	Existence theory and numerical solutions to smoking model under Caputo-Fabrizio fractional derivative. Chaos, 2019, 29, 013128.	1.0	72
36	Existence and Hyers-Ulam stability of fractional nonlinear impulsive switched coupled evolution equations. Mathematical Methods in the Applied Sciences, 2018, 41, 2392-2402.	1.2	70

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37	Mathematical analysis of SIRD model of COVID-19 with Caputo fractional derivative based on real data. Results in Physics, 2021, 21, 103772.	2.0	70
38	Monotonicity analysis of a nabla discrete fractional operator with discrete Mittag-Leffler kernel. Chaos, Solitons and Fractals, 2017, 102, 106-110.	2.5	69
39	Fractional operators with generalized Mittag-Leffler kernels and their iterated differintegrals. Chaos, 2019, 29, 023102.	1.0	67
40	Study of transmission dynamics of COVID-19 mathematical model under ABC fractional order derivative. Results in Physics, 2020, 19, 103507.	2.0	67
41	Stability analysis of fractional nabla difference COVID-19 model. Results in Physics, 2021, 22, 103888.	2.0	67
42	Existence Theory to a Coupled System of Higher Order Fractional Hybrid Differential Equations by Topological Degree Theory. International Journal of Applied and Computational Mathematics, 2018, 4, 1.	0.9	66
43	A singular ABC-fractional differential equation with p-Laplacian operator. Chaos, Solitons and Fractals, 2019, 129, 56-61.	2.5	66
44	Analytical Solutions of Fractional Order Diffusion Equations by Natural Transform Method. Iranian Journal of Science and Technology, Transaction A: Science, 2018, 42, 1479-1490.	0.7	65
45	Fractional economic models based on market equilibrium in the frame of different type kernels. Chaos, Solitons and Fractals, 2020, 130, 109438.	2.5	65
46	Nonlinear regularized long-wave models with a new integral transformation applied to the fractional derivative with power and Mittag-Leffler kernel. Advances in Difference Equations, 2020, .	3.5	65
47	Fractional difference operators with discrete generalized Mittag-Leffler kernels. Chaos, Solitons and Fractals, 2019, 126, 315-324.	2.5	64
48	The Schrödinger-KdV equation of fractional order with Mittag-Leffler nonsingular kernel. AEJ - Alexandria Engineering Journal, 2021, 60, 2715-2724.	3.4	64
49	Fundamental Results of Conformable Sturm-Liouville Eigenvalue Problems. Complexity, 2017, 2017, 1-7.	0.9	63
50	Applying new fixed point theorems on fractional and ordinary differential equations. Advances in Difference Equations, 2019, 2019, .	3.5	62
51	Computational study on the dynamics of fractional order differential equations with applications. Chaos, Solitons and Fractals, 2022, 157, 111955.	2.5	62
52	Stability and numerical simulation of a fractional order plant-nectar-pollinator model. AEJ - Alexandria Engineering Journal, 2020, 59, 49-59.	3.4	61
53	ON THE WEIGHTED FRACTIONAL OPERATORS OF A FUNCTION WITH RESPECT TO ANOTHER FUNCTION. Fractals, 2020, 28, 2040011.	1.8	60
54	A generalized Lyapunov-type inequality in the frame of conformable derivatives. Advances in Difference Equations, 2017, 2017, .	3.5	57

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55	On fractional derivatives with generalized Mittag-Leffler kernels. <i>Advances in Difference Equations</i> , 2018, 2018, .	3.5	56
56	Computational and theoretical modeling of the transmission dynamics of novel COVID-19 under Mittag-Leffler Power Law. <i>AEJ - Alexandria Engineering Journal</i> , 2020, 59, 3133-3147.	3.4	56
57	On more general forms of proportional fractional operators. <i>Open Mathematics</i> , 2020, 18, 167-176.	0.5	56
58	Hyers-Ulam stability analysis to implicit Cauchy problem of fractional differential equations with impulsive conditions. <i>Mathematical Methods in the Applied Sciences</i> , 2018, 41, 8329-8343.	1.2	55
59	An efficient algorithm for numerical solution of fractional integro-differential equations via Haar wavelet. <i>Journal of Computational and Applied Mathematics</i> , 2021, 381, 113028.	1.1	55
60	ANALYSIS OF FRACTAL-FRACTIONAL MALARIA TRANSMISSION MODEL. <i>Fractals</i> , 2020, 28, 2040041.	1.8	54
61	Efficient sustainable algorithm for numerical solutions of systems of fractional order differential equations by Haar wavelet collocation method. <i>AEJ - Alexandria Engineering Journal</i> , 2020, 59, 2391-2400.	3.4	52
62	Qualitative analysis of fractal-fractional order COVID-19 mathematical model with case study of Wuhan. <i>AEJ - Alexandria Engineering Journal</i> , 2021, 60, 477-489.	3.4	51
63	Fractal-fractional mathematical modeling and forecasting of new cases and deaths of COVID-19 epidemic outbreaks in India. <i>Results in Physics</i> , 2021, 20, 103702.	2.0	51
64	Fractal-Fractional Mathematical Model Addressing the Situation of Corona Virus in Pakistan. <i>Results in Physics</i> , 2020, 19, 103560.	2.0	49
65	Haar wavelet collocation approach for the solution of fractional order COVID-19 model using Caputo derivative. <i>AEJ - Alexandria Engineering Journal</i> , 2020, 59, 3221-3231.	3.4	49
66	Analysis of some generalized $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si12.svg"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi mathvariant="italic"} \rangle \text{ABC} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ Fractional logistic models. <i>AEJ - Alexandria Engineering Journal</i> , 2020, 59, 2141-2148.	3.4	49
67	Existence of positive solution and Hyers-Ulam stability for a nonlinear singular-delay-fractional differential equation. <i>Advances in Difference Equations</i> , 2019, 2019, .	3.5	48
68	On generalized fractional operators and a Gronwall type inequality with applications. <i>Filomat</i> , 2017, 31, 5457-5473.	0.2	47
69	Stability analysis and a numerical scheme for fractional Klein-Gordon equations. <i>Mathematical Methods in the Applied Sciences</i> , 2019, 42, 723-732.	1.2	46
70	Fractional order mathematical modeling of typhoid fever disease. <i>Results in Physics</i> , 2022, 32, 105044.	2.0	45
71	Numerical treatment for traveling wave solutions of fractional Whitham-Broer-Kaup equations. <i>AEJ - Alexandria Engineering Journal</i> , 2018, 57, 1991-1998.	3.4	44
72	Some Estimates for Generalized Riemann-Liouville Fractional Integrals of Exponentially Convex Functions and Their Applications. <i>Mathematics</i> , 2019, 7, 807.	1.1	44

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73	Fractional proportional differences with memory. European Physical Journal: Special Topics, 2017, 226, 3333-3354.	1.2	43
74	Stability Results for Implicit Fractional Pantograph Differential Equations via \tilde{I} -Hilfer Fractional Derivative with a Nonlocal Riemann-Liouville Fractional Integral Condition. Mathematics, 2020, 8, 94.	1.1	42
75	Study of transmission dynamics of novel COVID-19 by using mathematical model. Advances in Difference Equations, 2020, 2020, 323.	3.5	42
76	Ulam stability to a toppled systems of nonlinear implicit fractional order boundary value problem. Boundary Value Problems, 2018, 2018, .	0.3	41
77	On analysis of the fractional mathematical model of rotavirus epidemic with the effects of breastfeeding and vaccination under Atangana-Baleanu (AB) derivative. Chaos, Solitons and Fractals, 2020, 140, 110233.	2.5	41
78	Arbitrary Order Fractional Difference Operators with Discrete Exponential Kernels and Applications. Discrete Dynamics in Nature and Society, 2017, 2017, 1-8.	0.5	40
79	Mathematical analysis of COVID-19 via new mathematical model. Chaos, Solitons and Fractals, 2021, 143, 110585.	2.5	40
80	Existence and stability of solution to a toppled systems of differential equations of non-integer order. Boundary Value Problems, 2017, 2017, .	0.3	38
81	On Riemannâ€Liouville fractional q -difference equations and their application to retarded logistic type model. Mathematical Methods in the Applied Sciences, 2018, 41, 8953-8962.	1.2	38
82	More properties of the proportional fractional integrals and derivatives of a function with respect to another function. Advances in Difference Equations, 2020, 2020, .	3.5	38
83	Existence and stability analysis to a coupled system of implicit type impulsive boundary value problems of fractional-order differential equations. Advances in Difference Equations, 2019, 2019, .	3.5	37
84	On Ulam's type stability for a class of impulsive fractional differential equations with nonlinear integral boundary conditions. Journal of Nonlinear Science and Applications, 2017, 10, 4760-4775.	0.4	37
85	Mathematical analysis of HIV/AIDS infection model with Caputo-Fabrizio fractional derivative. Cogent Mathematics & Statistics, 2018, 5, 1432521.	0.9	36
86	EXISTENCE RESULTS AND STABILITY CRITERIA FOR ABC-FUZZY-VOLTERRA INTEGRO-DIFFERENTIAL EQUATION. Fractals, 2020, 28, 2040048.	1.8	36
87	Time-Fractional Kleinâ€Gordon Equation with Solitary/Shock Waves Solutions. Mathematical Problems in Engineering, 2021, 2021, 1-15.	0.6	36
88	Study of impulsive problems under Mittag-Leffler power law. Heliyon, 2020, 6, e05109.	1.4	35
89	Fuzzy fractional-order model of the novel coronavirus. Advances in Difference Equations, 2020, 2020, 472.	3.5	35
90	Existence results in Banach space for a nonlinear impulsive system. Advances in Difference Equations, 2019, 2019, .	3.5	34

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91	Existence of positive solutions for weighted fractional order differential equations. Chaos, Solitons and Fractals, 2020, 141, 110341.	2.5	34
92	Estimating the Heat Capacity of Non-Newtonian Ionanofluid Systems Using ANN, ANFIS, and SGB Tree Algorithms. Applied Sciences (Switzerland), 2020, 10, 6432.	1.3	34
93	Ulam stability for delay fractional differential equations with a generalized Caputo derivative. Filomat, 2018, 32, 5265-5274.	0.2	34
94	Degree theory and existence of positive solutions to coupled systems of multi-point boundary value problems. Boundary Value Problems, 2016, 2016, .	0.3	33
95	On a new conceptual mathematical model dealing the current novel coronavirus-19 infectious disease. Results in Physics, 2020, 19, 103510.	2.0	32
96	A Caputo power law model predicting the spread of the COVID-19 outbreak in Pakistan. AEJ - Alexandria Engineering Journal, 2021, 60, 447-456.	3.4	32
97	On nonlinear classical and fractional order dynamical system addressing COVID-19. Results in Physics, 2021, 24, 104069.	2.0	32
98	Existence and Uniqueness Results to a Coupled System of Fractional Order Boundary Value Problems by Topological Degree Theory. Numerical Functional Analysis and Optimization, 2016, 37, 887-899.	0.6	31
99	Stable numerical results to a class of time-space fractional partial differential equations via spectral method. Journal of Advanced Research, 2020, 25, 39-48.	4.4	31
100	Existence theory and numerical analysis of three species prey-predator model under Mittag-Leffler power law. Advances in Difference Equations, 2020, 2020, 249.	3.5	31
101	Existence theory and stability analysis to a system of boundary value problem. Journal of Taibah University for Science, 2017, 11, 1330-1342.	1.1	30
102	Host vector dynamics of pine wilt disease model with convex incidence rate. Chaos, Solitons and Fractals, 2018, 113, 31-39.	2.5	30
103	Investigating a Class of Nonlinear Fractional Differential Equations and Its Hyers-Ulam Stability by Means of Topological Degree Theory. Numerical Functional Analysis and Optimization, 2019, 40, 1355-1372.	0.6	30
104	Stability analysis of solutions and existence theory of fractional Langevin equation. AEJ - Alexandria Engineering Journal, 2021, 60, 3641-3647.	3.4	30
105	Existence and approximate controllability of Hilfer fractional evolution equations with almost sectorial operators. Advances in Difference Equations, 2020, 2020, .	3.5	30
106	Existence results and Hyers-Ulam stability to a class of nonlinear arbitrary order differential equations. Journal of Nonlinear Science and Applications, 2017, 10, 2986-2997.	0.4	30
107	Fractional Hermite-Hadamard Integral Inequalities for a New Class of Convex Functions. Symmetry, 2020, 12, 1485.	1.1	29
108	A fractional order HIV/AIDS epidemic model with Mittag-Leffler kernel. Advances in Difference Equations, 2021, 2021, .	3.5	29

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109	Existence and Ulam stability results of a coupled system for terminal value problems involving \tilde{I} -Hilfer fractional operator. <i>Advances in Difference Equations</i> , 2020, 2020, .	3.5	29
110	Lyapunov-type inequalities for mixed non-linear forced differential equations within conformable derivatives. <i>Journal of Inequalities and Applications</i> , 2018, 2018, 143.	0.5	28
111	Study of HIV mathematical model under nonsingular kernel type derivative of fractional order. <i>Chaos, Solitons and Fractals</i> , 2020, 139, 110095.	2.5	28
112	A comparative study of spreading of novel corona virus disease by using fractional order modified SEIR model. <i>AEJ - Alexandria Engineering Journal</i> , 2021, 60, 573-585.	3.4	28
113	MODELING AND ANALYSIS OF NOVEL COVID-19 UNDER FRACTAL-FRACTIONAL DERIVATIVE WITH CASE STUDY OF MALAYSIA. <i>Fractals</i> , 2021, 29, 2150020.	1.8	28
114	On spectral numerical method for variable-order partial differential equations. <i>AIMS Mathematics</i> , 2022, 7, 10422-10438.	0.7	28
115	Solution of fractional order heat equation via triple Laplace transform in 2 dimensions. <i>Mathematical Methods in the Applied Sciences</i> , 2018, 41, 818-825.	1.2	27
116	Study of global dynamics of COVID-19 via a new mathematical model. <i>Results in Physics</i> , 2020, 19, 103468.	2.0	27
117	The Shape Effect of Gold Nanoparticles on Squeezing Nanofluid Flow and Heat Transfer between Parallel Plates. <i>Mathematical Problems in Engineering</i> , 2020, 2020, 1-12.	0.6	27
118	On fractional order model of tumor dynamics with drug interventions under nonlocal fractional derivative. <i>Results in Physics</i> , 2021, 21, 103783.	2.0	27
119	On Coupled $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="M1"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \langle \text{p} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ -Laplacian Fractional Differential Equations with Nonlinear Boundary Conditions. <i>Complexity</i> , 2017, 2017, 1-9.	0.9	26
120	On nonlinear pantograph fractional differential equations with Atanganaâ€“Baleanuâ€“Caputo derivative. <i>Advances in Difference Equations</i> , 2021, 2021, .	3.5	26
121	On the Analysis of the Non-Newtonian Fluid Flow Past a Stretching/Shrinking Permeable Surface with Heat and Mass Transfer. <i>Coatings</i> , 2021, 11, 566.	1.2	26
122	On Riemannâ€“Liouville and Caputo Fractional Forward Difference Monotonicity Analysis. <i>Mathematics</i> , 2021, 9, 1303.	1.1	26
123	Study of Hilfer fractional evolution equations by the properties of controllability and stability. <i>AEJ - Alexandria Engineering Journal</i> , 2021, 60, 3741-3749.	3.4	26
124	LR-Preinvex Interval-Valued Functions and Riemannâ€“Liouville Fractional Integral Inequalities. <i>Fractal and Fractional</i> , 2021, 5, 243.	1.6	26
125	Hyersâ€“Ulam Stability to a Class of Fractional Differential Equations with Boundary Conditions. <i>International Journal of Applied and Computational Mathematics</i> , 2017, 3, 1135-1147.	0.9	25
126	Application of a hybrid method for systems of fractional order partial differential equations arising in the model of the one-dimensional Keller-Segel equation. <i>European Physical Journal Plus</i> , 2019, 134, 1.	1.2	25

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127	Stability analysis for a nonlinear coupled system of fractional hybrid delay differential equations. <i>Mathematical Methods in the Applied Sciences</i> , 2020, 43, 8669-8682.	1.2	25
128	A computational algorithm for the numerical solution of fractional order delay differential equations. <i>Applied Mathematics and Computation</i> , 2021, 402, 125863.	1.4	25
129	Numerical analysis of fractional order Pine wilt disease model with bilinear incident rate. <i>Journal of Mathematics and Computer Science</i> , 0, , 420-428.	0.5	25
130	Qualitative Analysis of Multi-Terms Fractional Order Delay Differential Equations via the Topological Degree Theory. <i>Mathematics</i> , 2020, 8, 218.	1.1	25
131	Lyapunov-type inequalities for fractional difference operators with discrete Mittag-Leffler kernel of order $2 < \alpha < 5/2$. <i>European Physical Journal: Special Topics</i> , 2017, 226, 3355-3368.	1.2	24
132	Ulam Type Stability for a Coupled System of Boundary Value Problems of Nonlinear Fractional Differential Equations. <i>Journal of Function Spaces</i> , 2017, 2017, 1-8.	0.4	24
133	Existence and numerical solutions of a coupled system of integral BVP for fractional differential equations. <i>Advances in Difference Equations</i> , 2018, 2018, .	3.5	24
134	Mathematical modeling for the outbreak of the coronavirus (COVID-19) under fractional nonlocal operator. <i>Results in Physics</i> , 2020, 19, 103610.	2.0	24
135	Fractional Hermiteâ€“Hadamardâ€“Fejer Inequalities for a Convex Function with Respect to an Increasing Function Involving a Positive Weighted Symmetric Function. <i>Symmetry</i> , 2020, 12, 1503.	1.1	24
136	Bounds of Generalized Proportional Fractional Integrals in General Form via Convex Functions and Their Applications. <i>Mathematics</i> , 2020, 8, 113.	1.1	24
137	Stability analysis of initial value problem of pantograph-type implicit fractional differential equations with impulsive conditions. <i>Advances in Difference Equations</i> , 2021, 2021, .	3.5	24
138	Analysis of fractal-fractional model of tumor-immune interaction. <i>Results in Physics</i> , 2021, 25, 104178.	2.0	24
139	On the Novel Ulamâ€“Hyers Stability for a Class of Nonlinear ψ -Hilfer Fractional Differential Equation with Time-Varying Delays. <i>Mediterranean Journal of Mathematics</i> , 2019, 16, 1.	0.4	23
140	Investigation of Ulam Stability Results of a Coupled System of Nonlinear Implicit Fractional Differential Equations. <i>Mathematics</i> , 2019, 7, 341.	1.1	23
141	An efficient tool for solving twoâ€“dimensional fuzzy fractionalâ€“ordered heat equation. <i>Numerical Methods for Partial Differential Equations</i> , 2021, 37, 1407-1418.	2.0	23
142	Fractal-fractional order dynamical behavior of an HIV/AIDS epidemic mathematical model. <i>European Physical Journal Plus</i> , 2021, 136, 1.	1.2	23
143	Theoretical and numerical analysis for transmission dynamics of COVID-19 mathematical model involving Caputoâ€“Fabrizio derivative. <i>Advances in Difference Equations</i> , 2021, 2021, 184.	3.5	23
144	Dynamical analysis of fractional-order tobacco smoking model containing snuffing class. <i>AJ - Alexandria Engineering Journal</i> , 2021, 60, 3669-3678.	3.4	23

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145	A fractional-order model of COVID-19 considering the fear effect of the media and social networks on the community. <i>Chaos, Solitons and Fractals</i> , 2021, 152, 111403.	2.5	23
146	Existence of mild solutions for impulsive neutral Hilfer fractional evolution equations. <i>Advances in Difference Equations</i> , 2020, 2020, .	3.5	23
147	Simpson's Integral Inequalities for Twice Differentiable Convex Functions. <i>Mathematical Problems in Engineering</i> , 2020, 2020, 1-15.	0.6	22
148	Improved Approach for Studying Oscillatory Properties of Fourth-Order Advanced Differential Equations with p-Laplacian Like Operator. <i>Mathematics</i> , 2020, 8, 656.	1.1	22
149	An optimal control analysis of a COVID-19 model. <i>AEJ - Alexandria Engineering Journal</i> , 2021, 60, 2875-2884.	3.4	22
150	On fractional boundary value problems involving fractional derivatives with Mittag-Leffler kernel and nonlinear integral conditions. <i>Advances in Difference Equations</i> , 2021, 2021, .	3.5	22
151	On the necessity of proper quarantine without lock down for 2019-nCoV in the absence of vaccine. <i>Results in Physics</i> , 2021, 25, 104063.	2.0	21
152	Existence and uniqueness of positive solutions to a coupled system of nonlinear fractional order differential equations with anti periodic boundary conditions. <i>Differential Equations and Applications</i> , 2015, , 245-262.	0.1	21
153	Novel Numerical Investigations of Fuzzy Cauchy Reaction-Diffusion Models via Generalized Fuzzy Fractional Derivative Operators. <i>Fractal and Fractional</i> , 2021, 5, 151.	1.6	21
154	Numerical treatment of fractional order Cauchy reaction diffusion equations. <i>Chaos, Solitons and Fractals</i> , 2017, 103, 578-587.	2.5	20
155	Ulam-Hyers stability analysis to a class of nonlinear implicit impulsive fractional differential equations with three point boundary conditions. <i>Advances in Difference Equations</i> , 2019, 2019, .	3.5	20
156	New Modified Conformable Fractional Integral Inequalities of Hermite-Hadamard Type with Applications. <i>Journal of Function Spaces</i> , 2020, 2020, 1-14.	0.4	20
157	A SAR Image Despeckling Method Based on an Extended Adaptive Wiener Filter and Extended Guided Filter. <i>Remote Sensing</i> , 2020, 12, 2371.	1.8	20
158	Computational analysis of the third order dispersive fractional PDE under exponential decay and Mittag-Leffler type kernels. <i>Numerical Methods for Partial Differential Equations</i> , 2023, 39, 4533-4548.	2.0	20
159	Threshold conditions for global stability of disease free state of COVID-19. <i>Results in Physics</i> , 2021, 21, 103784.	2.0	20
160	Computational analysis of fuzzy fractional order non-dimensional Fisher equation. <i>Physica Scripta</i> , 2021, 96, 084004.	1.2	20
161	The Relationship between Individualism and Cyberbullying: The Mediating Effect of Internet Addiction (Preprint). <i>Journal of Medical Internet Research</i> , 2020, 22, e16210.	2.1	20
162	Existence and Uniqueness of Uncertain Fractional Backward Difference Equations of Riemann-Liouville Type. <i>Mathematical Problems in Engineering</i> , 2020, 2020, 1-8.	0.6	19

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163	Study of mathematical model of Hepatitis <i>B</i> under Caputo-Fabrizio derivative. <i>AIMS Mathematics</i> , 2021, 6, 195-209.	0.7	19
164	Analytical study of transmission dynamics of 2019-nCoV pandemic via fractal fractional operator. <i>Results in Physics</i> , 2021, 24, 104045.	2.0	19
165	Haar wavelet method for solution of distributed order time-fractional differential equations. <i>AEJ - Alexandria Engineering Journal</i> , 2021, 60, 3295-3303.	3.4	19
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