Aman Ullah

List of Publications by Year
in descending order

50 papers	940 citations	471371 17 h-index	501076 28 g-index
50 all docs	50 docs citations	50 times ranked	492 citing authors

#	ARTICLE	IF	CITATIONS
1	Fractional order mathematical modeling of COVID-19 transmission. Chaos, Solitons and Fractals, 2020, 139, 110256.	2.5	129
2	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
3	Analysis of the fractional tumour-immune-vitamins model with Mittag–Leffler kernel. Results in Physics, 2020, 19, 103559.	2.0	42
4	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
5	Oscillatory and complex behaviour of Caputo-Fabrizio fractional order HIV-1 infection model. AIMS Mathematics, 2021, 7, 4778-4792.	0.7	39
6	A Novel Homotopy Perturbation Method with Applications to Nonlinear Fractional Order KdV and Burger Equation with Exponential-Decay Kernel. Journal of Function Spaces, 2021, 2021, 1-11.	0.4	34
7	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
8	Investigating the complex behaviour of multi-scroll chaotic system with Caputo fractal-fractional operator. Chaos, Solitons and Fractals, 2021, 146, 110900.	2.5	30
9	A novel method for analysing the fractal fractional integrator circuit. AEJ - Alexandria Engineering Journal, 2021, 60, 3721-3729.	3.4	29
10	A comparative study of spreading of novel corona virus disease by ussing fractional order modified SEIR model. AEJ - Alexandria Engineering Journal, 2021, 60, 573-585.	3.4	28
11	Study of global dynamics of COVID-19 via a new mathematical model. Results in Physics, 2020, 19, 103468.	2.0	27
12	A study of fractional order Ambartsumian equation involving exponential decay kernel. AIMS Mathematics, 2021, 6, 9981-9997.	0.7	27
13	On fractional order model of tumor dynamics with drug interventions under nonlocal fractional derivative. Results in Physics, 2021, 21, 103783.	2.0	27
14	Analysis of fractal-fractional model of tumor-immune interaction. Results in Physics, 2021, 25, 104178.	2.0	24
15	Computational analysis of the third order dispersive fractional <scp>PDE</scp> under exponential–decay and <scp>Mittag–Leffler</scp> type kernels. Numerical Methods for Partial Differential Equations, 2023, 39, 4533-4548.	2.0	20
16	Computational analysis of fuzzy fractional order non-dimensional Fisher equation. Physica Scripta, 2021, 96, 084004.	1.2	20
17	A hybrid analytical technique for solving nonlinear fractional order PDEs of power law kernel: Application to KdV and Fornberg-Witham equations. AIMS Mathematics, 2022, 7, 9389-9404.	0.7	20
18	A hybrid method for solving fuzzy Volterra integral equations of separable type kernels. Journal of King Saud University - Science, 2021, 33, 101246.	1.6	18

#	Article	IF	Citations
19	Theoretical and numerical analysis of fractal fractional model of tumor-immune interaction with two different kernels. AEJ - Alexandria Engineering Journal, 2022, 61, 5735-5752.	3.4	18
20	Study of a Fractional-Order Epidemic Model of Childhood Diseases. Journal of Function Spaces, 2020, 2020, 1-8.	0.4	17
21	Semi-analytical solutions of the 3 order fuzzy dispersive partial differential equations under fractional operators. AEJ - Alexandria Engineering Journal, 2021, 60, 5861-5878.	3.4	17
22	Nonlinear analysis of a nonlinear modified KdV equation under Atangana Baleanu Caputo derivative. AIMS Mathematics, 2022, 7, 7847-7865.	0.7	17
23	Reduction of Hepatic Steatosis, Oxidative Stress, Inflammation, Ballooning and Insulin Resistance After Therapy with Safranal in NAFLD Animal Model: A New Approach. Journal of Inflammation Research, 2022, Volume 15, 1293-1316.	1.6	16
24	Bipolar soft groups. Journal of Intelligent and Fuzzy Systems, 2016, 31, 651-662.	0.8	15
25	On analysis of the fuzzy fractional order Volterra-Fredholm integro-differential equation. AEJ - Alexandria Engineering Journal, 2021, 60, 1827-1838.	3.4	15
26	Study of fuzzy fractional order diffusion problem under the Mittag-Leffler Kernel Law. Physica Scripta, 2021, 96, 074002.	1.2	15
27	Bifurcations, stability analysis and complex dynamics of Caputo fractal-fractional cancer model. Chaos, Solitons and Fractals, 2022, 159, 112113.	2.5	15
28	CHAOTIC BEHAVIOR OF BHALEKARâ€"GEJJI DYNAMICAL SYSTEM UNDER ATANGANAâ€"BALEANU FRACTAL FRACTIONAL OPERATOR. Fractals, 2022, 30, .	1.8	13
29	Complex dynamics of multi strain TB model under nonlocal and nonsingular fractal fractional operator. Results in Physics, 2021, 30, 104823.	2.0	13
30	Soft Uni-Abel-Grassmann's Groups. European Journal of Pure and Applied Mathematics, 2018, 11, 517-536.	0.1	11
31	Numerical analysis of fractional human liver model in fuzzy environment. Journal of Taibah University for Science, 2021, 15, 840-851.	1.1	10
32	A novel semi-analytical method for solutions of two dimensional fuzzy fractional wave equation using natural transform. Discrete and Continuous Dynamical Systems - Series S, 2022, 15, 315.	0.6	9
33	Fractal-fractional mathematical model of four species comprising of prey-predation. Physica Scripta, 2021, 96, 124053.	1.2	9
34	On solutions of fuzzy fractional order complex population dynamical model. Numerical Methods for Partial Differential Equations, 2023, 39, 4595-4615.	2.0	8
35	Study of HIV Disease and Its Association with Immune Cells under Nonsingular and Nonlocal Fractal-Fractional Operator. Complexity, 2021, 2021, 1-12.	0.9	8
36	Downregulation of hepatic fat accumulation, inflammation and fibrosis by nerolidol in purpose built western-diet-induced multiple-hit pathogenesis of NASH animal model. Biomedicine and Pharmacotherapy, 2022, 150, 112956.	2.5	8

#	Article	IF	Citations
37	Evaluation of GeneXpert MTB/RIF Assay for Detection of Pulmonary Tuberculosis on Sputum Samples. Journal of the College of Physicians and Surgeons--Pakistan: JCPSP, 2019, 29, 66-69.	0.2	7
38	ANALYSIS OF HIDDEN ATTRACTORS OF NON-EQUILIBRIUM FRACTAL-FRACTIONAL CHAOTIC SYSTEM WITH ONE SIGNUM FUNCTION. Fractals, 2022, 30, .	1.8	7
39	Investigation of 1, 3, 4 Oxadiazole Derivative in PTZ-Induced Neurodegeneration: A Simulation and Molecular Approach. Journal of Inflammation Research, 2021, Volume 14, 5659-5679.	1.6	6
40	Computation of semi-analytical solutions of fuzzy nonlinear integral equations. Advances in Difference Equations, 2020, 2020, .	3.5	5
41	Study of the Fractional-Order HIV-1 Infection Model with Uncertainty in Initial Data. Mathematical Problems in Engineering, 2022, 2022, 1-16.	0.6	5
42	On solution of fuzzy Volterra integro-differential equations. Arab Journal of Basic and Applied Sciences, 2021, 28, 330-339.	1.0	4
43	Fuzzy congruences on AG-group. AIMS Mathematics, 2021, 6, 1754-1768.	0.7	3
44	Fractal fractional analysis of modified KdV equationÂunder three different kernels. Journal of Ocean Engineering and Science, 2022, , .	1.7	3
45	Normal Bipolar Soft Subgroups. Fuzzy Information and Engineering, 2021, 13, 79-98.	1.0	2
46	Cubic Abel-Grassmannâ€™s Subgroups. Journal of Computational and Theoretical Nanoscience, 2016, 13, 628-635.	0.4	2
47	A Quantitative Approach to $$n{\text {th}}$$-Order Nonlinear Fuzzy Integro-Differential Equation. International Journal of Applied and Computational Mathematics, 2022, 8, 1.	0.9	2
48	Study of a Fractional System of Predator-Prey with Uncertain Initial Conditions. Mathematical Problems in Engineering, 2022, 2022, 1-11.	0.6	2
49	Series Type Solution of Fuzzy Fractional Order Swiftâ€"Hohenberg Equation by Fuzzy Hybrid Sumudu Transform. Mathematical Problems in Engineering, 2022, 2022, 1-15.	0.6	1
50	Preparation, characterizations and in vitro evaluation of Econazole-Btamethasone loaded solid lipid nanoparticles (SLNs). Main Group Chemistry, 2021, , 1-12.	0.4	0