

Ranbir Kumar

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

1,393
citations

933447

10
h-index

1281871

11
g-index

11
all docs

11
docs citations

11
times ranked

687
citing authors

#	ARTICLE	IF	CITATIONS
1	A study on fractional COVID-19 disease model by using Hermite wavelets. Mathematical Methods in the Applied Sciences, 2023, 46, 7671-7687.	2.3	34
2	A wavelet based numerical scheme for fractional order SEIR epidemic of measles by using Genocchi polynomials. Numerical Methods for Partial Differential Equations, 2021, 37, 1250-1268.	3.6	146
3	A fractional model for population dynamics of two interacting species by using spectral and Hermite wavelets methods. Numerical Methods for Partial Differential Equations, 2021, 37, 1652-1672.	3.6	42
4	A chaos study of fractional SIR epidemic model of childhood diseases. Results in Physics, 2021, 27, 104422.	4.1	8
5	Analytical approach for time fractional wave equations in the sense of Yang-Abdel-Aty-Cattani via the homotopy perturbation transform method. AEJ - Alexandria Engineering Journal, 2020, 59, 2859-2863.	6.4	68
6	Chaotic behaviour of fractional predator-prey dynamical system. Chaos, Solitons and Fractals, 2020, 135, 109811.	5.1	220
7	A study of fractional Lotka-Volterra population model using Haar wavelet and Adams-Bashforth-Moulton methods. Mathematical Methods in the Applied Sciences, 2020, 43, 5564-5578.	2.3	254
8	An efficient numerical scheme for fractional model of HIV-1 infection of CD_4 T-cells with the effect of antiviral drug therapy. AEJ - Alexandria Engineering Journal, 2020, 59, 2053-2064.	5.1	86
9	A study of behaviour for immune and tumor cells in immunogenetic tumour model with non-singular fractional derivative. Chaos, Solitons and Fractals, 2020, 133, 109619.	5.1	283
10	A new Rabortnov fractional exponential function based fractional derivative for diffusion equation under external force. Mathematical Methods in the Applied Sciences, 2020, 43, 4460.	2.3	107
11	An Efficient Numerical Method for Fractional SIR Epidemic Model of Infectious Disease by Using Bernstein Wavelets. Mathematics, 2020, 8, 558.	2.2	145