Sapna Pandit

List of Publications by Year
in descending order

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Version: 2024-02-01

		759233	752698
20	652	12	20
papers	citations	h-index	g-index

20	20	20	358
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Wavelet strategy for flow and heat transfer in CNT-water based fluid with asymmetric variable rectangular porous channel. Engineering With Computers, 2022, 38, 93-103.	6.1	7
2	Sensitivity analysis of emerging parameters in the presence of thermal radiation on magnetohydrodynamic nanofluids via wavelets. Engineering With Computers, 2022, 38, 2609-2618.	6.1	7
3	Local radial basis functions and scale-3 Haar wavelets operational matrices based numerical algorithms for generalized regularized long wave model. Wave Motion, 2022, 109, 102846.	2.0	23
4	On the Use of Wavelets for Analysis of Nanofluid Flow and Thermal Transmission Through Asymmetric Porous Channel. Proceedings of the National Academy of Sciences India Section A - Physical Sciences, 2022, 92, 571-583.	1.2	2
5	A numerical algorithm based on scale-3 Haar wavelets for fractional advection dispersion equation. Engineering Computations, 2021, 38, 1706-1724.	1.4	14
6	A Numerical Algorithm to Capture Spin Patterns of Fractional Bloch Nuclear Magnetic Resonance Flow Models. Journal of Computational and Nonlinear Dynamics, 2019, 14, .	1.2	11
7	A class of numerical algorithms based on cubic trigonometric B-spline functions for numerical simulation of nonlinear parabolic problems. Computational and Applied Mathematics, 2019, 38, 1.	2.2	21
8	New Scale-3 Haar Wavelets Algorithm for Numerical Simulation of Second Order Ordinary Differential Equations. Proceedings of the National Academy of Sciences India Section A - Physical Sciences, 2019, 89, 799-808.	1.2	9
9	Sensitivity analysis of shock wave Burgersâ€™ equation via a novel algorithm based on scale-3 Haar wavelets. International Journal of Computer Mathematics, 2018, 95, 601-625.	1.8	24
10	Quasilinearized Scale-3 Haar wavelets-based algorithm for numerical simulation of fractional dynamical systems. Engineering Computations, 2018, 35, 1907-1931.	1.4	23
11	A numerical algorithm based on modified cubic trigonometric B-spline functions for computational modelling of hyperbolic-type wave equations. Engineering Computations, 2017, 34, 1257-1276.	1.4	29
12	Numerical simulation of unsteady squeezing nanofluid and heat flow between two parallel plates using wavelets. International Journal of Thermal Sciences, 2017, 118, 410-422.	4.9	30
13	Haar wavelets operational matrix based algorithm for computational modelling of hyperbolic type wave equations. Engineering Computations, 2017, 34, 2793-2814.	1.4	42
14	Shock waves analysis of planar and non planar nonlinear Burgersâ€™ equation using Scale-2 Haar wavelets. International Journal of Numerical Methods for Heat and Fluid Flow, 2017, 27, 1814-1850.	2.8	10
15	An efficient algorithm based on Haar wavelets for numerical simulation of Fokker-Planck equations with constants and variable coefficients. International Journal of Numerical Methods for Heat and Fluid Flow, 2015, 25, 41-56.	2.8	11
16	Numerical simulation of second-order hyperbolic telegraph type equations with variable coefficients. Computer Physics Communications, 2015, 187, 83-90.	7.5	40
17	A composite numerical scheme for the numerical simulation of coupled Burgersâ€™ equation. Computer Physics Communications, 2014, 185, 809-817.	7.5	79
18	Haar Wavelet Approach for Numerical Solution of Two Parameters Singularly Perturbed Boundary Value Problems. Applied Mathematics and Information Sciences, 2014, 8, 2965-2974.	0.5	37

#	Article	IF	Citations
19	A differential quadrature algorithm to solve the two dimensional linear hyperbolic telegraph equation with Dirichlet and Neumann boundary conditions. Applied Mathematics and Computation, 2012, 218, 7279-7294.	2.2	99
20	Numerical simulation of two-dimensional sine-Gordon solitons by differential quadrature method. Computer Physics Communications, 2012, 183, 600-616.	7.5	134