Mamta Kapoor

List of Publications by Year
in descending order

13 papers	**28** citations	2258059 **3** h-index	2053705 **5** g-index
13 all docs	**13** docs citations	**13** times ranked	**7** citing authors

#	Article	IF	Citations
1	An Analytical Approach for Fractional Hyperbolic Telegraph Equation Using Shehu Transform in One, Two and Three Dimensions. Mathematics, 2022, 10, 1961.	2.2	8
2	Solution of non-linear Fisher's reaction-diffusion equation by using Hyperbolic B-spline based differential quadrature method. Journal of Physics: Conference Series, 2020, 1531, 012064.	0.4	4
3	Numerical solution of coupled 1D Burgers' equation by employing Barycentric Lagrange interpolation basis function based differential quadrature method. International Journal for Computational Methods in Engineering Science and Mechanics, 0, , 1-21.	2.1	3
4	Numerical approximation of 1D and 2D non-linear Schrödinger equations by implementing modified cubic Hyperbolic B-spline based DQM. Partial Differential Equations in Applied Mathematics, 2021, 4, 100076.	2.4	3
5	Exact solution of coupled 1D non-linear Burgers' equation by using Homotopy Perturbation Method (HPM): A review. Journal of Physics Communications, 2020, 4, 095017.	1.2	3
6	A new technique for numerical solution of 1D and 2D non-linear coupled Burgers' equations by using cubic Uniform Algebraic Trigonometric (UAT) tension B-spline based differential quadrature method. Ain Shams Engineering Journal, 2021, 12, 3947-3965.	6.1	2
7	An analytical approach for Shehu transform on fractional coupled 1D, 2D and 3D Burgers' equations. Nonlinear Engineering, 2022, 11, 268-297.	2.7	2
8	Numerical approximation of coupled 1D and 2D non-linear Burgers' equations by employing Modified Quartic Hyperbolic B-spline Differential Quadrature Method. International Journal of Mechanics, 2021, 15, 37-55.	0.7	1
9	Numerical Approximation of One- and Two-Dimensional Coupled Nonlinear Schrödinger Equation by Implementing Barycentric Lagrange Interpolation Polynomial DQM. Mathematical Problems in Engineering, 2021, 2021, 1-18.	1.1	1
10	Comparison of Two Hybrid Schemes Sumudu HPM and Elzaki HPM for Convection-Diffusion Equation in Two and Three Dimensions. International Journal of Applied and Computational Mathematics, 2022, 8, 1.	1.6	1
11	Implementation of Modified Cubic UAT Tension B-spline DQM for Numerical Approximation of 1D and 2D Reaction-Diffusion System. International Journal of Mathematical Models and Methods in Applied Sciences, 2021, 15, 38-51.	0.1	0
12	A numerical regime for 1-D Burgers' equation using UAT tension B-spline differential quadrature method. International Journal for Computational Methods in Engineering Science and Mechanics, 2021, 22, 181-192.	2.1	0
13	Numerical solution of coupled 1D Burgers' equation by Non-Uniform Algebraic-Hyperbolic B-spline Differential Quadrature Method. International Journal for Computational Methods in Engineering Science and Mechanics, 2023, 24, 18-39.	2.1	0