Avinash K Mittal

List of Publications by Year
in descending order

10 papers	**54** citations	1937685 **4** h-index
10 all docs	**10** docs citations	**10** times ranked

1588992 **8** g-index

17 citing authors

#	Article	IF	Citations
1	A stable time–space Jacobi pseudospectral method for two-dimensional sine-Gordon equation. Journal of Applied Mathematics and Computing, 2020, 63, 239-264.	2.5	15
2	A Highly Accurate Time–Space Pseudospectral Approximation and Stability Analysis of Two Dimensional Brusselator Model for Chemical Systems. International Journal of Applied and Computational Mathematics, 2019, 5, 1.	1.6	13
3	Chebyshev pseudospectral approximation of two dimensional fractional Schrodinger equation on a convex and rectangular domain. AIMS Mathematics, 2020, 5, 1642-1662.	1.6	9
4	Numerical solutions of two-dimensional fractional Schrodinger equation. Mathematical Sciences, 2020, 14, 129-136.	1.7	4
5	Numerical solutions of time and space fractional coupled Burgers equations using time–space Chebyshev pseudospectral method. Mathematical Methods in the Applied Sciences, 2021, 44, 3127-3137.	2.3	4
6	Time-space pseudospectral algorithm for numerical solution of Sine/Klein-Gordon equations. AIP Conference Proceedings, 2019, , .	0.4	2
7	Numerical solutions and stability analysis for solitary waves of complex modified Korteweg–de Vries equation using Chebyshev pseudospectral methods. Numerical Methods for Partial Differential Equations, 2020, 36, 1662-1681.	3.6	2
8	Time–space Jacobi pseudospectral simulation of multidimensional Schrödinger equation. Numerical Methods for Partial Differential Equations, 2021, 37, 1725-1751.	3.6	2
9	Pseudospectral analysis and approximation of two-dimensional fractional cable equation. Mathematical Methods in the Applied Sciences, 2022, 45, 8613-8630.	2.3	2
10	Spectrally accurate approximate solutions and convergence analysis of fractional Burgers' equation. Arabian Journal of Mathematics, 2020, 9, 633-644.	0.9	1