

Bilge Aönan

List of Publications by Year in descending order

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11
papers

175
citations

1478505

6
h-index

1474206

9
g-index

11
all docs

11
docs citations

11
times ranked

180
citing authors

#	ARTICLE	IF	CITATIONS
1	Analytical and numerical solutions of mathematical biology models: The Newell-Whitehead-Segel and Allen-Cahn equations. <i>Mathematical Methods in the Applied Sciences</i> , 2020, 43, 2588-2600.	2.3	77
2	Numerical solution of the one-dimensional Burgers' equation: Implicit and fully implicit exponential finite difference methods. <i>Pramana - Journal of Physics</i> , 2013, 81, 547-556.	1.8	36
3	Comparative Study of Some Numerical Methods for the Burgers-Huxley Equation. <i>Symmetry</i> , 2019, 11, 1333.	2.2	23
4	Analytical and numerical solutions of the Fitzhugh-Nagumo equation and their multistability behavior. <i>Numerical Methods for Partial Differential Equations</i> , 2021, 37, 7-23.	3.6	13
5	A finite difference method for solving generalized FitzHugh-Nagumo equation. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	10
6	Numerical solutions of the generalized Rosenau-Kawahara-RLW equation arising in fluid mechanics via B-spline collocation method. <i>International Journal of Modern Physics C</i> , 2018, 29, 1850116.	1.7	6
7	Numerical efficiency of some exponential methods for an advection-diffusion equation. <i>International Journal of Computer Mathematics</i> , 2019, 96, 1005-1029.	1.8	5
8	A Fully Implicit Finite Difference Approach for Numerical Solution of the Generalized Equal Width (GEW) Equation. <i>Proceedings of the National Academy of Sciences India Section A - Physical Sciences</i> , 2020, 90, 299-308.	1.2	3
9	Comparison of some numerical methods for the Burgers-Huxley equation. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	2
10	Investigation of high school student's generating example types. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	0
11	Convergence Analysis and Approximate Optimal Temporal Step Sizes for Some Finite Difference Methods Discretising Fisher's Equation. <i>Frontiers in Applied Mathematics and Statistics</i> , 0, 8, .	1.3	0