Ã–zlem Ersoy Hepson

List of Publications by Year
in descending order

		1040056	888059
33 papers	**338** citations	**9** h-index	**17** g-index
33 all docs	**33** docs citations	**33** times ranked	**195** citing authors

#	Article	IF	Citations
1	Sine-Gordon expansion method for exact solutions to conformable time fractional equations in RLW-class. Journal of King Saud University - Science, 2020, 32, 567-574.	3.5	104
2	The exponential cubic B-spline algorithm for Fisher equation. Chaos, Solitons and Fractals, 2016, 86, 101-106.	5.1	41
3	Numerical solutions of the reaction diffusion system by using exponential cubic B-spline collocation algorithms. Open Physics, 2015, 13, .	1.7	26
4	The exponential cubic B-spline collocation method for the Kuramoto-Sivashinsky equation. Filomat, 2016, 30, 853-861.	0.5	23
5	Exponential B-Splines for Numerical Solutions to Some Boussinesq Systems for Water Waves. Mediterranean Journal of Mathematics, 2016, 13, 4975-4994.	0.8	13
6	The extended B-spline collocation method for numerical solutions of Fisher equation. AIP Conference Proceedings, 2015, , .	0.4	10
7	Numerical solutions of the Gardner equation by extended form of the cubic B-splines. Pramana - Journal of Physics, 2018, 91, 1.	1.8	10
8	Numerical solution of generalized Burgers-Fisher equation by exponential cubic B-spline collocation method. AIP Conference Proceedings, 2015, , .	0.4	9
9	Exponential B-spline collocation solutions to the Gardner equation. International Journal of Computer Mathematics, 2020, 97, 837-850.	1.8	9
10	Numerical simulations of Kuramoto–Sivashinsky equation in reaction-diffusion via Galerkin method. Mathematical Sciences, 2021, 15, 199-206.	1.7	9
11	Generation of the trigonometric cubic B-spline collocation solutions for the Kuramoto-Sivashinsky(KS) equation. AIP Conference Proceedings, 2018, , .	0.4	8
12	An extended cubic B–spline finite element method for solving generalized Burgers–Fisher equation. AIP Conference Proceedings, 2018, , .	0.4	7
13	Numerical Investigations of Physical Processes for Regularized Long Wave Equation. Advances in Intelligent Systems and Computing, 2021, , 710-724.	0.6	7
14	Exponential Twice Continuously Differentiable B-Spline Algorithm for Burgers' Equation. Ukrainian Mathematical Journal, 2018, 70, 906-921.	0.5	6
15	Hyperbolic-trigonometric tension B-spline Galerkin approach for the solution of RLW equation. AIP Conference Proceedings, 2021, , .	0.4	6
16	Traveling waves in rational expressions of exponential functions to the conformable time fractional Jimbo–Miwa and Zakharov–Kuznetsov equations. Optical and Quantum Electronics, 2018, 50, 1.	3.3	5
17	Higher order trigonometric B-spline algorithms to the solution of coupled Burgers' equation. AIP Conference Proceedings, 2018, , .	0.4	5
18	Numerical simulations of reaction–diffusion systems in biological and chemical mechanisms with quartic-trigonometric B-splines. Computational and Applied Mathematics, 2021, 40, 1.	2.2	5

#	Article	IF	Citations
19	Hyperbolic tangent solution to the conformable time fractional Zakharov-Kuznetsov equation in 3D space. AIP Conference Proceedings, 2018, , .	0.4	4
20	Quartic-trigonometric tension B-spline Galerkin method for the solution of the advection-diffusion equation. Computational and Applied Mathematics, 2021, 40, 1.	2.2	4
21	Numerical investigation of the solutions of SchrÃ¶dinger equation with exponential cubic B-spline finite element method. International Journal of Nonlinear Sciences and Numerical Simulation, 2021, 22, 119-133.	1.0	4
22	On the numerical solution of the Klein-Gordon equation by exponential cubic B-spline collocation method. Communications Faculty of Science University of Ankara Series A1Mathematics and Statistics, 2018, 68, 412-421.	0.5	4
23	A cubic subdomain Galerkin method over the geometrically graded mesh to the singularly perturbed problem. AIP Conference Proceedings, 2018, , .	0.4	3
24	A quartic trigonometric tension b-spline algorithm for nonlinear partial differential equation system. Engineering Computations, 2020, ahead-of-print, .	1.4	3
25	Hyperbolic-trigonometric tension B-spline Galerkin approach for the solution of Fisher equation. AIP Conference Proceedings, 2021, , .	0.4	3
26	The Cubic B-spline Least Squares Finite Element Method for the Numerical Solutions of Regularized Long Wave Equation. International Journal of Computer Mathematics, 0, , 1-13.	1.8	2
27	Finite Element Method for Schnakenberg Model. Advances in Dynamics, Patterns, Cognition, 2019, , 41-51.	0.3	2
28	A higher-order efficient approach to numerical simulations of the RLW equation. Pramana - Journal of Physics, 2022, 96, 1.	1.8	2
29	An expansion based on Sine-Gordon equation to Solve KdV and modified KdV equations in conformable fractional forms. Boletim Da Sociedade Paranaense De Matematica, 0, 40, 1-10.	0.4	2
30	Solitary waves of the RLW equation via least squares method. International Journal of Nonlinear Sciences and Numerical Simulation, 2021, .	1.0	1
31	A quartic trigonometric tension Bâ€‘spline finite element method for solving Gardner equation. Numerical Methods for Partial Differential Equations, 2022, 38, 1055-1067.	3.6	1
32	Integration of the RLW equation using higher-order predictorâ€"corrector scheme and quintic B-spline collocation method. Mathematical Sciences, 0, , .	1.7	0
33	A computational method for nonlinear Burgersâ€™ equation using quartic-trigonometric tension B-splines. Mathematical Sciences, 2024, 18, 17-28.	1.7	0