BÃ¼lent Saka

List of Publications by Year
in descending order

23 papers	831 citations	567281 15 h-index	713466 21 g-index
23 all docs	23 docs citations	23 times ranked	285 citing authors

#	Article	IF	Citations
1	A numerical solution of the Burgers' equation using cubic B-splines. Applied Mathematics and Computation, 2005, 163, 199-211.	2.2	111
2	Galerkin method for the numerical solution of the RLW equation using quintic B-splines. Journal of Computational and Applied Mathematics, 2006, 190, 532-547.	2.0	109
3	Quartic B-spline collocation method to the numerical solutions of the Burgers' equation. Chaos, Solitons and Fractals, 2007, 32, 1125-1137.	5.1	78
4	Application of cubic B-splines for numerical solution of the RLW equation. Applied Mathematics and Computation, 2004, 159, 373-389.	2.2	67
5	A numerical study of the Burgers' equation. Journal of the Franklin Institute, 2008, 345, 328-348.	3.4	57
6	Galerkin method for the numerical solution of the RLW equation using quadratic B-splines. International Journal of Computer Mathematics, 2004, 81, 727-739.	1.8	56
7	B-Spline Collocation Methods For Numerical Solutions Of The Rlw Equation. International Journal of Computer Mathematics, 2003, 80, 743-757.	1.8	44
8	A numerical solution of the RLW equation by Galerkin method using quartic B-splines. Communications in Numerical Methods in Engineering, 2008, 24, 1339-1361.	1.3	44
9	B-spline Galerkin methods for numerical solutions of the Burgers' equation. Applied Mathematics and Computation, 2005, 166, 506-522.	2.2	38
10	Algorithms for numerical solution of the modified equal width wave equation using collocation method. Mathematical and Computer Modelling, 2007, 45, 1096-1117.	2.0	38
11	B-spline collocation algorithms for numerical solution of the RLW equation. Numerical Methods for Partial Differential Equations, 2011, 27, 581-607.	3.6	32
12	Three different methods for numerical solution of the EW equation. Engineering Analysis With Boundary Elements, 2008, 32, 556-566.	3.7	30
13	Quartic B-spline collocation algorithms for numerical solution of the RLW equation. Numerical Methods for Partial Differential Equations, 2007, 23, 731-751.	3.6	29
14	A finite element method for equal width equation. Applied Mathematics and Computation, 2006, 175, 730-747.	2.2	25
15	QUINTIC B-SPLINE COLLOCATION METHOD FOR NUMERICAL SOLUTION OF THE RLW EQUATION. ANZIAM Journal, 2008, 49, 389.	0.2	21
16	A quintic B-spline finite-element method for solving the nonlinear Schrödinger equation. Physics of Wave Phenomena, 2012, 20, 107-117.	1.1	15
17	Quartic B-spline Galerkin approach to the numerical solution of the KdVB equation. Applied Mathematics and Computation, 2009, 215, 746-758.	2.2	13
18	Cosine expansion-based differential quadrature method for numerical solution of the KdV equation. Chaos, Solitons and Fractals, 2009, 40, 2181-2190.	5.1	12

#	Article	IF	Citations
19	Cosine expansion–based differential quadrature algorithm for numerical solution of the RLW equation. Numerical Methods for Partial Differential Equations, 2010, 26, 544-560.	3.6	7
20	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
21	A higher-order efficient approach to numerical simulations of the RLW equation. Pramana - Journal of Physics, 2022, 96, 1.	1.8	2
22	Solitary waves of the RLW equation via least squares method. International Journal of Nonlinear Sciences and Numerical Simulation, 2021, .	1.0	1
23	Integration of the RLW equation using higher-order predictor–corrector scheme and quintic B-spline collocation method. Mathematical Sciences, 0, , .	1.7	0