Idiris Dag

List of Publications by Year
in descending order

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50 papers	1,377 citations	279798 23 h-index	345221 36 g-index
50 all docs	50 docs citations	50 times ranked	470 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	Shock wave simulations using Sinc Differential Quadrature Method. Engineering Computations, 2011, 28, 654-674.	1.4	97
4	Quartic B-spline collocation method to the numerical solutions of the Burgersâ€™ equation. Chaos, Solitons and Fractals, 2007, 32, 1125-1137.	5.1	78
5	A numerical study of the Burgersâ€™ 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	Numerical solutions of KdV equation using radial basis functions. Applied Mathematical Modelling, 2008, 32, 535-546.	4.2	53
8	A differential quadrature algorithm for nonlinear SchrÃ¶dinger equation. Nonlinear Dynamics, 2009, 56, 69-83.	5.2	46
9	Numerical investigation of the solution of Fisher's equation via the Bâ€spline Galerkin method. Numerical Methods for Partial Differential Equations, 2010, 26, 1483-1503.	3.6	43
10	The exponential cubic B-spline algorithm for Fisher equation. Chaos, Solitons and Fractals, 2016, 86, 101-106.	5.1	41
11	Crank-Nicolson â€“ Differential quadrature algorithms for the Kawahara equation. Chaos, Solitons and Fractals, 2009, 42, 65-73.	5.1	40
12	B-spline Galerkin methods for numerical solutions of the Burgersâ€™ equation. Applied Mathematics and Computation, 2005, 166, 506-522.	2.2	38
13	B-spline collocation methods for numerical solutions of the Burgers' equation. Mathematical Problems in Engineering, 2005, 2005, 521-538.	1.1	36
14	Least-squares finite element method for the advectionâ€“diffusion equation. Applied Mathematics and Computation, 2006, 173, 554-565.	2.2	36
15	A differential quadrature algorithm for simulations of nonlinear SchrÃ¶dinger equation. Computers and Mathematics With Applications, 2008, 56, 2222-2234.	2.7	36
16	Numerical Simulations of Boundary-Forced RLW Equation with Cubic B-Spline-based Differential Quadrature Methods. Arabian Journal for Science and Engineering, 2013, 38, 1151-1160.	1.1	35
17	Quartic and quintic B-spline methods for advectionâ€“diffusion equation. Applied Mathematics and Computation, 2016, 274, 208-219.	2.2	33
18	B-spline collocation algorithms for numerical solution of the RLW equation. Numerical Methods for Partial Differential Equations, 2011, 27, 581-607.	3.6	32

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19	Three different methods for numerical solution of the EW equation. Engineering Analysis With Boundary Elements, 2008, 32, 556-566.	3.7	30
20	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
21	A Bâ€spline algorithm for the numerical solution of Fisher's equation. Kybernetes, 2008, 37, 326-342.	2.2	29
22	Solitary wave simulations of Complex Modified Kortewegâ€“de Vries Equation using differential quadrature method. Computer Physics Communications, 2009, 180, 1516-1523.	7.5	29
23	A Taylorâ€“Galerkin finite element method for the KdV equation using cubic B-splines. Physica B: Condensed Matter, 2010, 405, 3376-3383.	2.7	27
24	Taylorâ€“Galerkin and Taylor-collocation methods for the numerical solutions of Burgersâ€™ equation using B-splines. Communications in Nonlinear Science and Numerical Simulation, 2011, 16, 2696-2708.	3.3	23
25	The exponential cubic B-spline collocation method for the Kuramoto-Sivashinsky equation. Filomat, 2016, 30, 853-861.	0.5	23
26	Extended cubic B-spline solution of the advection-diffusion equation. KSCE Journal of Civil Engineering, 2015, 19, 929-934.	1.9	18
27	A new binary variant with transfer functions of Harris Hawks Optimization for binary wind turbine micrositing. Energy Reports, 2020, 6, 668-673.	5.1	17
28	A Cubic B-Spline Collocation Method for the EW Equation. Mathematical and Computational Applications, 2004, 9, 381-392.	1.3	15
29	Numerical simulations of the improved Boussinesq equation. Numerical Methods for Partial Differential Equations, 2010, 26, 1316-1327.	3.6	15
30	Numerical solutions of the Kawahara type equations using radial basis functions. Numerical Methods for Partial Differential Equations, 2012, 28, 542-553.	3.6	14
31	Soliton solutions for NLS equation using radial basis functions. Chaos, Solitons and Fractals, 2009, 42, 1227-1233.	5.1	13
32	Quartic B-spline Galerkin approach to the numerical solution of the KdVB equation. Applied Mathematics and Computation, 2009, 215, 746-758.	2.2	13
33	Exponential B-Splines for Numerical Solutions to Some Boussinesq Systems for Water Waves. Mediterranean Journal of Mathematics, 2016, 13, 4975-4994.	0.8	13
34	Numerical solution of RLW equation using radial basis functions. International Journal of Computer Mathematics, 2010, 87, 63-76.	1.8	11
35	Trigonometric cubic B-spline collocation algorithm for numerical solutions of reactionâ€“diffusion equation systems. Computational and Applied Mathematics, 2018, 37, 6848-6869.	1.3	11
36	Numerical solutions of the Gardner equation by extended form of the cubic B-splines. Pramana - Journal of Physics, 2018, 91, 1.	1.8	10

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37	Exponential B-spline collocation solutions to the Gardner equation. International Journal of Computer Mathematics, 2020, 97, 837-850.	1.8	9
38	Numerical integration of the RLW equation using cubic splines. ANZIAM Journal, 2005, 47, 131-142.	0.2	8
39	Wave simulations of Grayâ€Scott reactionâ€diffusion system. Mathematical Methods in the Applied Sciences, 2019, 42, 5566-5581.	2.3	7
40	Hyperbolic-trigonometric tension B-spline Galerkin approach for the solution of RLW equation. AIP Conference Proceedings, 2021, , .	0.4	6
41	Quintic B-spline collocation method for the generalized nonlinear SchrÃ¶dinger equation. Journal of the Franklin Institute, 2011, 348, 378-392.	3.4	5
42	Exponential B-splines Galerkin Method for the Numerical Solution of the Fisherâ€™s Equation. Iranian Journal of Science and Technology, Transaction A: Science, 2018, 42, 2189-2198.	1.5	4
43	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
44	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
45	A cubic subdomain Galerkin method over the geometrically graded mesh to the singularly perturbed problem. AIP Conference Proceedings, 2018, , .	0.4	3
46	Hyperbolic-trigonometric tension B-spline Galerkin approach for the solution of Fisher equation. AIP Conference Proceedings, 2021, , .	0.4	3
47	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
48	Finite Element Method for Schnakenberg Model. Advances in Dynamics, Patterns, Cognition, 2019, , 41-51.	0.3	2
49	A higher-order efficient approach to numerical simulations of the RLW equation. Pramana - Journal of Physics, 2022, 96, 1.	1.8	2
50	Solitary waves of the RLW equation via least squares method. International Journal of Nonlinear Sciences and Numerical Simulation, 2021, .	1.0	1