

Idiris Dag

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3380327/publications.pdf>

Version: 2024-02-01

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 higher-order efficient approach to numerical simulations of the RLW equation. Pramana - Journal of Physics, 2022, 96, 1.	1.8	2
2	Hyperbolic-trigonometric tension B-spline Galerkin approach for the solution of RLW equation. AIP Conference Proceedings, 2021, , .	0.4	6
3	Hyperbolic-trigonometric tension B-spline Galerkin approach for the solution of Fisher equation. AIP Conference Proceedings, 2021, , .	0.4	3
4	Numerical investigation of the solutions of Schrödinger equation with exponential cubic B-spline finite element method. International Journal of Nonlinear Sciences and Numerical Simulation, 2021, 22, 119-133.	1.0	4
5	Solitary waves of the RLW equation via least squares method. International Journal of Nonlinear Sciences and Numerical Simulation, 2021, .	1.0	1
6	Exponential B-spline collocation solutions to the Gardner equation. International Journal of Computer Mathematics, 2020, 97, 837-850.	1.8	9
7	A new binary variant with transfer functions of Harris Hawks Optimization for binary wind turbine micrositeing. Energy Reports, 2020, 6, 668-673.	5.1	17
8	Wave simulations of Gray-Scott reaction-diffusion system. Mathematical Methods in the Applied Sciences, 2019, 42, 5566-5581.	2.3	7
9	Finite Element Method for Schnakenberg Model. Advances in Dynamics, Patterns, Cognition, 2019, , 41-51.	0.3	2
10	A cubic subdomain Galerkin method over the geometrically graded mesh to the singularly perturbed problem. AIP Conference Proceedings, 2018, , .	0.4	3
11	Exponential B-splines Galerkin Method for the Numerical Solution of the Fisher's Equation. Iranian Journal of Science and Technology, Transaction A: Science, 2018, 42, 2189-2198.	1.5	4
12	Trigonometric cubic B-spline collocation algorithm for numerical solutions of reaction-diffusion equation systems. Computational and Applied Mathematics, 2018, 37, 6848-6869.	1.3	11
13	Numerical solutions of the Gardner equation by extended form of the cubic B-splines. Pramana - Journal of Physics, 2018, 91, 1.	1.8	10
14	On the numerical solution of the Klein-Gordon equation by exponential cubic B-spline collocation method. Communications Faculty of Science University of Ankara Series A1 Mathematics and Statistics, 2018, 68, 412-421.	0.5	4
15	The exponential cubic B-spline algorithm for Fisher equation. Chaos, Solitons and Fractals, 2016, 86, 101-106.	5.1	41
16	Exponential B-Splines for Numerical Solutions to Some Boussinesq Systems for Water Waves. Mediterranean Journal of Mathematics, 2016, 13, 4975-4994.	0.8	13
17	Quartic and quintic B-spline methods for advection-diffusion equation. Applied Mathematics and Computation, 2016, 274, 208-219.	2.2	33
18	The exponential cubic B-spline collocation method for the Kuramoto-Sivashinsky equation. Filomat, 2016, 30, 853-861.	0.5	23

#	ARTICLE	IF	CITATIONS
19	Extended cubic B-spline solution of the advection-diffusion equation. KSCE Journal of Civil Engineering, 2015, 19, 929-934.	1.9	18
20	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
21	Numerical solutions of the Kawahara type equations using radial basis functions. Numerical Methods for Partial Differential Equations, 2012, 28, 542-553.	3.6	14
22	Shock wave simulations using Sinc Differential Quadrature Method. Engineering Computations, 2011, 28, 654-674.	1.4	97
23	Quintic B-spline collocation method for the generalized nonlinear Schrödinger equation. Journal of the Franklin Institute, 2011, 348, 378-392.	3.4	5
24	B-spline collocation algorithms for numerical solution of the RLW equation. Numerical Methods for Partial Differential Equations, 2011, 27, 581-607.	3.6	32
25	Taylor-Galerkin and Taylor-collocation methods for the numerical solutions of Burgers' equation using B-splines. Communications in Nonlinear Science and Numerical Simulation, 2011, 16, 2696-2708.	3.3	23
26	Numerical simulations of the improved Boussinesq equation. Numerical Methods for Partial Differential Equations, 2010, 26, 1316-1327.	3.6	15
27	Numerical investigation of the solution of Fisher's equation via the B-spline Galerkin method. Numerical Methods for Partial Differential Equations, 2010, 26, 1483-1503.	3.6	43
28	A Taylor-Galerkin finite element method for the KdV equation using cubic B-splines. Physica B: Condensed Matter, 2010, 405, 3376-3383.	2.7	27
29	Numerical solution of RLW equation using radial basis functions. International Journal of Computer Mathematics, 2010, 87, 63-76.	1.8	11
30	Solitary wave simulations of Complex Modified Korteweg-de Vries Equation using differential quadrature method. Computer Physics Communications, 2009, 180, 1516-1523.	7.5	29
31	A differential quadrature algorithm for nonlinear Schrödinger equation. Nonlinear Dynamics, 2009, 56, 69-83.	5.2	46
32	Crank-Nicolson Differential quadrature algorithms for the Kawahara equation. Chaos, Solitons and Fractals, 2009, 42, 65-73.	5.1	40
33	Soliton solutions for NLS equation using radial basis functions. Chaos, Solitons and Fractals, 2009, 42, 1227-1233.	5.1	13
34	Quartic B-spline Galerkin approach to the numerical solution of the KdVB equation. Applied Mathematics and Computation, 2009, 215, 746-758.	2.2	13
35	Three different methods for numerical solution of the EW equation. Engineering Analysis With Boundary Elements, 2008, 32, 556-566.	3.7	30
36	A numerical study of the Burgers' equation. Journal of the Franklin Institute, 2008, 345, 328-348.	3.4	57

#	ARTICLE	IF	CITATIONS
37	A differential quadrature algorithm for simulations of nonlinear Schrödinger equation. Computers and Mathematics With Applications, 2008, 56, 2222-2234.	2.7	36
38	Numerical solutions of KdV equation using radial basis functions. Applied Mathematical Modelling, 2008, 32, 535-546.	4.2	53
39	A B-spline algorithm for the numerical solution of Fisher's equation. Kybernetes, 2008, 37, 326-342.	2.2	29
40	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
41	Quartic B-spline collocation method to the numerical solutions of the Burgers' equation. Chaos, Solitons and Fractals, 2007, 32, 1125-1137.	5.1	78
42	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
43	Least-squares finite element method for the advection-diffusion equation. Applied Mathematics and Computation, 2006, 173, 554-565.	2.2	36
44	Numerical integration of the RLW equation using cubic splines. ANZIAM Journal, 2005, 47, 131-142.	0.2	8
45	A numerical solution of the Burgers' equation using cubic B-splines. Applied Mathematics and Computation, 2005, 163, 199-211.	2.2	111
46	B-spline Galerkin methods for numerical solutions of the Burgers' equation. Applied Mathematics and Computation, 2005, 166, 506-522.	2.2	38
47	B-spline collocation methods for numerical solutions of the Burgers' equation. Mathematical Problems in Engineering, 2005, 2005, 521-538.	1.1	36
48	A Cubic B-Spline Collocation Method for the EW Equation. Mathematical and Computational Applications, 2004, 9, 381-392.	1.3	15
49	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
50	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