DoÄan Kaya

List of Publications by Year in descending order

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59 papers	1,841 citations	218662 26 h-index	265191 42 g-index
59 all docs	59 docs citations	59 times ranked	774 citing authors

#	Article	IF	Citations
1	Numerical comparison of Caputo and Conformable derivatives of time fractional Burgers-Fisher equation. Results in Physics, 2021, 25, 104247.	4.1	13
2	Refraction simulation of internal solitary waves for the fractional Benjaminâ€“Ono equation in fluid dynamics. Modern Physics Letters B, 2021, 35, 2150363.	1.9	17
3	Breaking analysis of solitary waves for the shallow water wave system in fluid dynamics. European Physical Journal Plus, 2021, 136, 1.	2.6	20
4	Comparison exact and numerical simulation of the traveling wave solution in nonlinear dynamics. International Journal of Modern Physics B, 2020, 34, 2050282.	2.0	25
5	Role of Gilsonâ€“Pickering equation for the different types of soliton solutions: a nonlinear analysis. European Physical Journal Plus, 2020, 135, 1.	2.6	45
6	Symmetry analysis of initial and boundary value problems for fractional differential equations in Caputo sense. Chaos, Solitons and Fractals, 2020, 134, 109684.	5.1	24
7	Comparison of Exact and Numerical Solutions for the Sharmaâ€“Tassoâ€“Olver Equation. Advances in Dynamics, Patterns, Cognition, 2020, , 53-65.	0.3	31
8	Lie group analysis for initial and boundary value problem of time-fractional nonlinear generalized KdV partial differential equation. Turkish Journal of Mathematics, 2019, 43, 1263-1275.	0.7	3
9	Semi-analytical Methods for Solving the KdV and mKdV Equations. , 2018, , 1-22.		1
10	Numerical solutions of the fractional KdV-Burgers-Kuramoto equation. Thermal Science, 2018, 22, 153-158.	1.1	8
11	Symmetry solution on fractional equation. International Journal of Optimization and Control: Theories and Applications, 2017, 7, 255-259.	1.7	3
12	Numerical solutions of Fisherâ€™s equation with collocation method. AIP Conference Proceedings, 2015, , .	0.4	2
13	Korteweg-de Vries Equation (KdV) and Modified Korteweg-de Vries Equations (mKdV), Semi-analytical Methods for Solving the. , 2014, , 1-28.		0
14	Kortewegâ€“de Vries Equation (KdV) and Modified Kortewegâ€“de Vries Equations (mKdV), Semi-analytical Methods for Solving the. , 2012, , 890-907.		1
15	Partial Differential Equations that Lead to Solitons. , 2012, , 1205-1211.		0
16	Auto-BÃcklund transformation and similarity reductions for coupled Burgerâ€™s equation. Applied Mathematics and Computation, 2010, 216, 2507-2511.	2.2	4
17	Application of New Triangular Functions to Nonlinear Partial Differential Equations. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2009, 64, 1-7.	1.5	9
18	Exact solutions to the various nonlinear evolution equations. Physica Scripta, 2009, 79, 045005.	2.5	5

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19	Existence, Asymptotic Behaviour, and Blow up of Solutions for a Class of Nonlinear Wave Equations with Dissipative and Dispersive Terms. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2009, 64, 315-326.	1.5	2
20	Solutions of the Cahnâ€“Hilliard equation. Computers and Mathematics With Applications, 2008, 56, 3038-3045.	2.7	20
21	Exact and numerical solutions of generalized Drinfeldâ€“Sokolov equations. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 2867-2873.	2.1	20
22	Exact solutions of some nonlinear partial differential equations. Physica A: Statistical Mechanics and Its Applications, 2007, 381, 104-115.	2.6	109
23	A numerical comparison of a Kawahara equation. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 363, 433-439.	2.1	40
24	Analytic method for solitary solutions of some partial differential equations. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 370, 251-259.	2.1	23
25	Blow up of Solution for the Generalized Boussinesq Equation with Damping Term. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2006, 61, 235-238.	1.5	2
26	The exact and numerical solitary-wave solutions for generalized modified Boussinesq equation. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 348, 244-250.	2.1	28
27	Some exact solutions to the potential Kadomtsevâ€“Petviashvili equation and to a system of shallow water wave equations. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 355, 314-318.	2.1	38
28	A convergence analysis of the ADM and an application. Applied Mathematics and Computation, 2005, 161, 1015-1025.	2.2	35
29	An application for the higher order modified KdV equation by decomposition method. Communications in Nonlinear Science and Numerical Simulation, 2005, 10, 693-702.	3.3	36
30	Blow-Up Of Solutions For The Damped Boussinesq Equation. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2005, 60, 473-476.	1.5	7
31	A numerical simulation and explicit solutions of the generalized Burgersâ€“Fisher equation. Applied Mathematics and Computation, 2004, 152, 403-413.	2.2	58
32	Exact and numerical soliton solutions of some nonlinear physical models. Applied Mathematics and Computation, 2004, 152, 551-560.	2.2	3
33	Adomian's decomposition method applied to systems of nonlinear algebraic equations. Applied Mathematics and Computation, 2004, 154, 487-493.	2.2	16
34	Solitary wave solutions for a generalized Hirotaâ€“Satsuma coupled KdV equation. Applied Mathematics and Computation, 2004, 147, 69-78.	2.2	53
35	Comparing numerical methods for Helmholtz equation model problem. Applied Mathematics and Computation, 2004, 150, 763-773.	2.2	27
36	Exact and numerical traveling wave solutions for nonlinear coupled equations using symbolic computation. Applied Mathematics and Computation, 2004, 151, 775-787.	2.2	50

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37	An application of the decomposition method for the KdVB equation. Applied Mathematics and Computation, 2004, 152, 279-288.	2.2	38
38	Solitary-wave solutions for compound KdV-type and compound KdVâ€“Burgers-type equations with nonlinear terms of any order. Applied Mathematics and Computation, 2004, 152, 709-720.	2.2	12
39	An application of the modified decomposition method for two dimensional sine-Gordon equation. Applied Mathematics and Computation, 2004, 159, 1-9.	2.2	20
40	A reliable method for the numerical solution of the kinetics problems. Applied Mathematics and Computation, 2004, 156, 261-270.	2.2	16
41	A numerical solution of the Kleinâ€“Gordon equation and convergence of the decomposition method. Applied Mathematics and Computation, 2004, 156, 341-353.	2.2	54
42	The decomposition method for solving (2+1)-dimensional Boussinesq equation and (3+1)-dimensional KP equation. Applied Mathematics and Computation, 2004, 157, 523-534.	2.2	27
43	On the numerical solution of the system of two-dimensional Burgers' equations by the decomposition method. Applied Mathematics and Computation, 2004, 158, 101-109.	2.2	48
44	Numerical comparison of methods for solving parabolic equations. Applied Mathematics and Computation, 2004, 157, 735-743.	2.2	14
45	An application of the ADM to seven-order Sawadaâ€“Kotara equations. Applied Mathematics and Computation, 2004, 157, 93-101.	2.2	48
46	Finite difference method for solving fourth-order obstacle problems. International Journal of Computer Mathematics, 2004, 81, 741-748.	1.8	17
47	A numerical method for solving Jaulentâ€“Miodek equation. Physics Letters, Section A: General, Atomic and Solid State Physics, 2003, 318, 345-353.	2.1	27
48	Numerical soliton-like solutions of the potential Kadomtsevâ€“Petviashvili equation by the decomposition method. Physics Letters, Section A: General, Atomic and Solid State Physics, 2003, 320, 192-199.	2.1	45
49	An explicit and numerical solutions of some fifth-order KdV equation by decomposition method. Applied Mathematics and Computation, 2003, 144, 353-363.	2.2	87
50	On a generalized fifth order KdV equations. Physics Letters, Section A: General, Atomic and Solid State Physics, 2003, 310, 44-51.	2.1	70
51	On the solution of the coupled SchrÃ¶dingerâ€“KdV equation by the decomposition method. Physics Letters, Section A: General, Atomic and Solid State Physics, 2003, 313, 82-88.	2.1	77
52	An application of the decomposition method for the generalized KdV and RLW equations. Chaos, Solitons and Fractals, 2003, 17, 869-877.	5.1	121
53	A numerical solution of the sine-Gordon equation using the modified decomposition method. Applied Mathematics and Computation, 2003, 143, 309-317.	2.2	57
54	An application for a generalized KdV equation by the decomposition method. Physics Letters, Section A: General, Atomic and Solid State Physics, 2002, 299, 201-206.	2.1	89

#	Article	IF	Citations
55	A numerical comparison of partial solutions in the decomposition method for linear and nonlinear partial differential equations. Mathematics and Computers in Simulation, 2002, 60, 507-512.	4.4	78
56	The use of Adomian decomposition method for solving a specific nonlinear partial differential equations. Bulletin of the Belgian Mathematical Society - Simon Stevin, 2002, 9, .	0.2	16
57	An explicit solution of coupled viscous Burgers' equation by the decomposition method. International Journal of Mathematics and Mathematical Sciences, 2001, 27, 675-680.	0.7	70
58	Explicit solutions of generalized nonlinear Boussinesq equations. Journal of Applied Mathematics, 2001, 1, 29-37.	0.9	32
59	Symmetry Analysis and Conservation Laws of the Boundary Value Problems for Time-Fractional Generalized Burgers' Differential Equation. Fundamental Journal of Mathematics and Applications, 0, , 139-147.	0.6	0