

Turgut Ak

List of Publications by Year in descending order

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27
papers

464
citations

687363

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all docs

28
docs citations

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times ranked

349
citing authors

#	ARTICLE	IF	CITATIONS
1	Analytical and numerical solutions of the Fitzhugh-Nagumo equation and their multistability behavior. <i>Numerical Methods for Partial Differential Equations</i> , 2021, 37, 7-23.	3.6	13
2	Analytical and numerical solutions of mathematical biology models: The Newell-Whitehead-Segel and Allen-Cahn equations. <i>Mathematical Methods in the Applied Sciences</i> , 2020, 43, 2588-2600.	2.3	77
3	Investigation of Coriolis effect on oceanic flows and its bifurcation via geophysical Korteweg-de Vries equation. <i>Numerical Methods for Partial Differential Equations</i> , 2020, 36, 1234-1253.	3.6	18
4	Analytical and numerical techniques for initial-boundary value problems of Kolmogorov-Petrovsky-Piskunov equation. <i>Numerical Methods for Partial Differential Equations</i> , 2020, , .	3.6	4
5	Optical wave solutions of the higher-order nonlinear Schrödinger equation with the non-Kerr nonlinear term via modified Khater method. <i>Modern Physics Letters B</i> , 2020, 34, 2050044.	1.9	51
6	POLYNOMIAL AND RATIONAL WAVE SOLUTIONS OF KUDRYASHOV-SINELSHCHIKOV EQUATION AND NUMERICAL SIMULATIONS FOR ITS DYNAMIC MOTIONS. <i>Journal of Applied Analysis and Computation</i> , 2020, 10, 2145-2162.	0.5	6
7	Numerical experiments for long nonlinear internal waves via Gardner equation with dual-power law nonlinearity. <i>International Journal of Modern Physics C</i> , 2019, 30, 1950066.	1.7	4
8	Lie point symmetries, conservation laws and exact solutions of electrical transmission line model. <i>SeMA Journal</i> , 2019, 76, 403-412.	2.0	5
9	A numerical technique based on collocation method for solving modified Kawahara equation. <i>Journal of Ocean Engineering and Science</i> , 2018, 3, 67-75.	4.3	30
10	Theoretical and numerical investigations on solitary wave solutions of Gardner equation. <i>European Physical Journal Plus</i> , 2018, 133, 1.	2.6	10
11	Numerical solutions of the generalized Rosenau-Kawahara-RLW equation arising in fluid mechanics via B-spline collocation method. <i>International Journal of Modern Physics C</i> , 2018, 29, 1850116.	1.7	6
12	Propagation of nonlinear shock waves for the generalised Oskolkov equation and its dynamic motions in the presence of an external periodic perturbation. <i>Pramana - Journal of Physics</i> , 2018, 90, 1.	1.8	17
13	Exact solutions, conservation laws, bifurcation of nonlinear and supernonlinear traveling waves for Sharma-Tasso-Olver equation. <i>Nonlinear Dynamics</i> , 2018, 94, 1791-1801.	5.2	35
14	Solitary wave solution and conservation laws of higher dimensional Zakharov-Kuznetsov equation with nonlinear self-adjointness. <i>Mathematical Methods in the Applied Sciences</i> , 2018, 41, 6611-6624.	2.3	12
15	NUMERICAL STUDY OF ROSENAU-KDV EQUATION USING FINITE ELEMENT METHOD BASED ON COLLOCATION APPROACH. <i>Mathematical Modelling and Analysis</i> , 2017, 22, 373-388.	1.5	18
16	A New Approach for Numerical Solution of Modified Korteweg-de Vries Equation. <i>Iranian Journal of Science and Technology, Transaction A: Science</i> , 2017, 41, 1109-1121.	1.5	21
17	Some new exact wave solutions and conservation laws of potential Korteweg-de Vries equation. <i>Nonlinear Dynamics</i> , 2017, 89, 501-508.	5.2	21
18	A practical and powerful approach to potential KdV and Benjamin equations. <i>Beni-Suef University Journal of Basic and Applied Sciences</i> , 2017, 6, 383-390.	2.0	6

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19	Nonlinear Self-Adjointness and Conservation Laws of KdV Equation with Linear Damping Force. Applied Mathematics & Information Sciences Letters, 2017, 5, 89-94.	0.6	9
20	Computational Analysis of Shallow Water Waves with Korteweg-de Vries Equation. Scientia Iranica, 2017, .	0.4	3
21	Numerical simulation for treatment of dispersive shallow water waves with Rosenau-KdV equation. European Physical Journal Plus, 2016, 131, 1.	2.6	22
22	Soliton solutions to KdV equation with spatio-temporal dispersion. Ocean Engineering, 2016, 114, 192-203.	4.3	24
23	Numerical Scheme to Dispersive Shallow Water Waves. Journal of Computational and Theoretical Nanoscience, 2016, 13, 7084-7092.	0.4	19
24	Numerical Simulation of Dispersive Shallow Water Waves with an Efficient Method. Journal of Computational and Theoretical Nanoscience, 2015, 12, 5995-6001.	0.4	5
25	An Efficient Approach to Numerical Study of the MRLW Equation with B-Spline Collocation Method. Abstract and Applied Analysis, 2014, 2014, 1-15.	0.7	16
26	Numerical solutions of the Kawahara equation by the septic B-spline collocation method. Statistics, Optimization and Information Computing, 2014, 2, .	0.7	11
27	Soliton Solutions of Space-Time Fractional-Order Modified Extended Zakharov-Kuznetsov Equation in Plasma Physics. Bulletin of Mathematical Sciences and Applications, 0, 20, 1-8.	0.0	1