Turgut Ak

List of Publications by Year in descending order

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27 papers	464 citations	687363 13 h-index	713466 21 g-index
28 all docs	28 docs citations	28 times ranked	349 citing authors

#	Article	IF	Citations
1	Analytical and numerical solutions of mathematical biology models: The Newellâ€“Whiteheadâ€“Segel and Allenâ€“Cahn equations. Mathematical Methods in the Applied Sciences, 2020, 43, 2588-2600.	2.3	77
2	Optical wave solutions of the higher-order nonlinear SchrÃ¶dinger equation with the non-Kerr nonlinear term via modified Khater method. Modern Physics Letters B, 2020, 34, 2050044.	1.9	51
3	Exact solutions, conservation laws, bifurcation of nonlinear and supernonlinear traveling waves for Sharmaâ€“Tassoâ€“Olver equation. Nonlinear Dynamics, 2018, 94, 1791-1801.	5.2	35
4	A numerical technique based on collocation method for solving modified Kawahara equation. Journal of Ocean Engineering and Science, 2018, 3, 67-75.	4.3	30
5	Soliton solutions to KdV equation with spatio-temporal dispersion. Ocean Engineering, 2016, 114, 192-203.	4.3	24
6	Numerical simulation for treatment of dispersive shallow water waves with Rosenau-KdV equation. European Physical Journal Plus, 2016, 131, 1.	2.6	22
7	A New Approach for Numerical Solution of Modified Korteweg-de Vries Equation. Iranian Journal of Science and Technology, Transaction A: Science, 2017, 41, 1109-1121.	1.5	21
8	Some new exact wave solutions and conservation laws of potential Kortewegâ€“de Vries equation. Nonlinear Dynamics, 2017, 89, 501-508.	5.2	21
9	Numerical Scheme to Dispersive Shallow Water Waves. Journal of Computational and Theoretical Nanoscience, 2016, 13, 7084-7092.	0.4	19
10	NUMERICAL STUDY OF ROSENAU-KDV EQUATION USING FINITE ELEMENT METHOD BASED ON COLLOCATION APPROACH. Mathematical Modelling and Analysis, 2017, 22, 373-388.	1.5	18
11	Investigation of Coriolis effect on oceanic flows and its bifurcation via geophysical Kortewegâ€“de Vries equation. Numerical Methods for Partial Differential Equations, 2020, 36, 1234-1253.	3.6	18
12	Propagation of nonlinear shock waves for the generalised Oskolkov equation and its dynamic motions in the presence of an external periodic perturbation. Pramana - Journal of Physics, 2018, 90, 1.	1.8	17
13	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
14	Analytical and numerical solutions of the <scp>Fitzhughâ€“Nagumo</scp> equation and their multistability behavior. Numerical Methods for Partial Differential Equations, 2021, 37, 7-23.	3.6	13
15	Solitary wave solution and conservation laws of higher dimensional Zakharovâ€Kuznetsov equation with nonlinear selfâ€adjointness. Mathematical Methods in the Applied Sciences, 2018, 41, 6611-6624.	2.3	12
16	Numerical solutions of the Kawahara equation by the septic B-spline collocation method. Statistics, Optimization and Information Computing, 2014, 2, .	0.7	11
17	Theoretical and numerical investigations on solitary wave solutions of Gardner equation. European Physical Journal Plus, 2018, 133, 1.	2.6	10
18	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

#	Article	IF	Citations
19	A practical and powerful approach to potential KdV and Benjamin equations. Beni-Suef University Journal of Basic and Applied Sciences, 2017, 6, 383-390.	2.0	6
20	Numerical solutions of the generalized Rosenauâ€“Kawahara-RLW equation arising in fluid mechanics via B-spline collocation method. International Journal of Modern Physics C, 2018, 29, 1850116.	1.7	6
21	POLYNOMIAL AND RATIONAL WAVE SOLUTIONS OF KUDRYASHOV-SINELSHCHIKOV EQUATION AND NUMERICAL SIMULATIONS FOR ITS DYNAMIC MOTIONS. Journal of Applied Analysis and Computation, 2020, 10, 2145-2162.	0.5	6
22	Numerical Simulation of Dispersive Shallow Water Waves with an Efficient Method. Journal of Computational and Theoretical Nanoscience, 2015, 12, 5995-6001.	0.4	5
23	Lie point symmetries, conservation laws and exact solutions of electrical transmission line model. SeMA Journal, 2019, 76, 403-412.	2.0	5
24	Numerical experiments for long nonlinear internal waves via Gardner equation with dual-power law nonlinearity. International Journal of Modern Physics C, 2019, 30, 1950066.	1.7	4
25	Analytical and numerical techniques for initialâ€boundary value problems of Kolmogorovâ€“Petrovskyâ€“Piskunov equation. Numerical Methods for Partial Differential Equations, 2020, , .	3.6	4
26	Computational Analysis of Shallow Water Waves with Korteweg-de Vries Equation. Scientia Iranica, 2017, .	0.4	3
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