

Ahmed H Arnous

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6080274/publications.pdf>

Version: 2024-02-01

71
papers

2,014
citations

159358

30
h-index

276539

41
g-index

71
all docs

71
docs citations

71
times ranked

410
citing authors

#	ARTICLE	IF	CITATIONS
1	New solitary waves and exact solutions for the fifth-order nonlinear wave equation using two integration techniques. Journal of Ocean Engineering and Science, 2023, 8, 475-480.	1.7	18
2	Travelling wave solutions for hierarchy of nonlinear evolution equation description propagation pulse in optical fibers. Journal of Optics (India), 2023, 52, 138-144.	0.8	2
3	Optical soliton perturbation with Kudryashov's generalized law of refractive index and generalized nonlocal laws by improved modified extended tanh method. AEJ - Alexandria Engineering Journal, 2022, 61, 3365-3374.	3.4	22
4	Optical solitons in fiber Bragg gratings with cubic-quartic dispersive reflectivity by enhanced Kudryashov's approach. Physics Letters, Section A: General, Atomic and Solid State Physics, 2022, 422, 127797.	0.9	45
5	Optical solitons to the cubic quartic Bragg gratings with anti-cubic nonlinearity using new approach. Optik, 2022, 251, 168356.	1.4	34
6	General Solitons and other solutions for coupled system of nonlinear Schrödinger equation in magneto-optic waveguides with anti-cubic law nonlinearity by using improved modified extended tanh-function method. Optik, 2022, 251, 168369.	1.4	16
7	Cubic-quartic optical soliton perturbation with complex Ginzburg-Landau equation by the enhanced Kudryashov's method. Chaos, Solitons and Fractals, 2022, 155, 111748.	2.5	49
8	Optical solitons and other solutions for coupled system of nonlinear Schrödinger equation with parabolic nonlocal law of refractive index by using the improved modified extended tanh function method. Optik, 2022, 254, 168602.	1.4	17
9	Mathematical methods for construction new soliton solutions of Radhakrishnan-Kundu Lakshmanan equation. AEJ - Alexandria Engineering Journal, 2022, 61, 7111-7120.	3.4	18
10	Sequel to "cubic-quartic optical soliton perturbation with complex Ginzburg-Landau equation by the enhanced Kudryashov's method". IET Optoelectronics, 2022, 16, 149-159.	1.8	6
11	Highly dispersive optical solitons and conservation laws in absence of self-phase modulation with new Kudryashov's approach. Physics Letters, Section A: General, Atomic and Solid State Physics, 2022, 431, 128001.	0.9	14
12	Highly dispersive optical solitons and other solutions in birefringent fibers by using improved modified extended tanh-function method. Optik, 2022, 256, 168722.	1.4	18
13	Solitary wave solutions and other solutions for Gilson-Pickering equation by using the modified extended mapping method. Results in Physics, 2022, 36, 105427.	2.0	18
14	Optical soliton perturbation of the Gerdjikov-Ivanov equation with spatio-temporal dispersion using a modified extended direct algebraic method. Optik, 2022, 259, 168904.	1.4	14
15	Computational extracting solutions for the perturbed Gerdjikov-Ivanov equation by using improved modified extended analytical approach. Journal of Geometry and Physics, 2022, 176, 104514.	0.7	17
16	Solitary Wave Solutions for Generalized Boiti-Leon-Manna-Pempinelli Equation by Using Improved Simple Equation Method. International Journal of Applied and Computational Mathematics, 2022, 8, 1.	0.9	10
17	Optical solitons with Kudryashov's quintuple power law nonlinearity having nonlinear chromatic dispersion using modified extended direct algebraic method. Optik, 2022, 262, 169235.	1.4	7
18	Structures solitons in birefringent fibers with Kerr and non-local laws of refractive index using improved modified extended tanh-function method. Results in Physics, 2022, 38, 105641.	2.0	2

#	ARTICLE	IF	CITATIONS
19	Cubicâ€‘quartic optical solitons in fiber Bragg gratings with anti-cubic nonlinearity using the modified extended direct algebraic method. <i>Optik</i> , 2022, 264, 169347.	1.4	9
20	Cubicâ€‘quartic solitons in twin-core couplers with optical metamaterials having Kudryashovâ€™s sextic power law of arbitrary refractive index by using improved modified extended tanh-function method. <i>Optik</i> , 2022, 265, 169498.	1.4	1
21	Constructing new solitary wave solutions to the strain wave model in micro-structured solids. <i>AJ - Alexandria Engineering Journal</i> , 2022, 61, 11879-11888.	3.4	4
22	Solitons in magneto-optic waveguides for nonlinear Schrödingerâ€™s equation with parabolic-nonlocal law of refractive index by using extended simplest equation method. <i>Optical and Quantum Electronics</i> , 2022, 54, .	1.5	6
23	Exploring the solitons for multiple-core couplers having optical metamaterials using the modified extended direct algebraic method. <i>Optik</i> , 2022, 267, 169646.	1.4	1
24	Solitary waves for the generalized nonlinear wave equation in (3+1) dimensions with gas bubbles using the Nucciâ€™s reduction, enhanced and modified Kudryashov algorithms. <i>Journal of Ocean Engineering and Science</i> , 2022, , .	1.7	7
25	Solitons and other solutions to (n+1)-dimensional modified Zakharovâ€™Kuznetsov equation by exp-function method. <i>SeMA Journal</i> , 2021, 78, 1-13.	1.0	10
26	Optical solitons and conservation laws of Kudryashov's equation with improved modified extended tanh-function. <i>Optik</i> , 2021, 225, 165406.	1.4	55
27	Optical solitons of Biswasâ€™Arshed equation in birefringent fibers using improved modified extended tanh-function method. <i>Optik</i> , 2021, 227, 165385.	1.4	28
28	Exact wave solutions of the fourth order non-linear partial differential equation of optical fiber pulses by using different methods. <i>Optik</i> , 2021, 230, 166313.	1.4	46
29	Optical soliton perturbation with dual forms of simple equation approach: A transparent comparison. <i>Optik</i> , 2021, 231, 166455.	1.4	7
30	Study on soliton solutions of the longitudinal wave equation and magneto-electro-elastic circular rod dynamical model. <i>International Journal of Modern Physics B</i> , 2021, 35, 2150168.	1.0	13
31	Optical soliton perturbation with Kudryashov's generalized nonlinear refractive index. <i>Optik</i> , 2021, 240, 166620.	1.4	18
32	Highly dispersive optical soliton perturbation of Kudryashovâ€™s arbitrary form having sextic-power law refractive index. <i>International Journal of Modern Physics B</i> , 2021, 35, .	1.0	8
33	Solitons dynamics in optical metamaterial with quadraticâ€‘cubic nonlinearity using modified extended direct algebraic method. <i>Optik</i> , 2021, 243, 166851.	1.4	12
34	Solitons in birefringent fibers for CGL equation with Hamiltonian perturbations and Kerr law nonlinearity using modified extended direct algebraic method. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2021, 102, 105945.	1.7	33
35	Optical solitons with Biswasâ€™Milovic equation in magneto-optic waveguide having Kudryashovâ€™s law of refractive index. <i>Optik</i> , 2021, 247, 167987.	1.4	50
36	Optical solitons and another solutions for Radhakrishnan-Kundu-Laksmannan equation by using improved modified extended tanh-function method. <i>Optical and Quantum Electronics</i> , 2021, 53, 1.	1.5	18

#	ARTICLE	IF	CITATIONS
37	Dispersive soliton solutions for the Salerno equation for the nonlinear discrete electrical lattice in the forbidden bandgaps. International Journal of Modern Physics B, 2021, 35, .	1.0	8
38	Construction of the Soliton Solutions for the Manakov System by Extended Simplest Equation Method. International Journal of Applied and Computational Mathematics, 2021, 7, 1.	0.9	12
39	Dispersive and propagation of shallow water waves as a higher order nonlinear Boussinesq-like dynamical wave equations. Physica A: Statistical Mechanics and Its Applications, 2020, 537, 122662.	1.2	42
40	Optical solitons and other solutions in birefringent fibers with Biswas-Arshed equation by Jacobi's elliptic function approach. Optik, 2020, 202, 163546.	1.4	42
41	Optical solitons with differential group delay for coupled Kunduâ€Eckhaus equation using extended simplest equation approach. Optik, 2020, 208, 164051.	1.4	30
42	Optical solitons in fiber Bragg gratings via modified simple equation. Optik, 2020, 203, 163886.	1.4	39
43	Optical solitons in birefringent fibers of Kaup-Newell's equation with extended simplest equation method. Physica Scripta, 2020, 95, 115214.	1.2	23
44	Optical solitons having anti-cubic nonlinearity with two integration architectures. Chinese Journal of Physics, 2019, 60, 659-664.	2.0	11
45	Optical solitons in birefringent fibers with Lakshmananâ€Porsezianâ€Daniel model by modified simple equation. Optik, 2019, 192, 162899.	1.4	33
46	Optical soliton perturbation in magneto-optic waveguides. Journal of Nonlinear Optical Physics and Materials, 2018, 27, 1850005.	1.1	39
47	Analysis of optical solitons in nonlinear negative-indexed materials with anti-cubic nonlinearity. Optical and Quantum Electronics, 2018, 50, 1.	1.5	43
48	Embedded solitons with $\ddot{\chi}(2)$ and $\ddot{\chi}(3)$ nonlinear susceptibilities by extended trial equation method. Optik, 2018, 154, 1-9.	1.4	10
49	Solitons and other solutions to the coupled nonlinear SchrÃ¶dinger type equations. Nonlinear Engineering, 2017, 6, .	1.4	8
50	Optical solitons in nonlinear directional couplers with trial function scheme. Nonlinear Dynamics, 2017, 88, 1891-1915.	2.7	51
51	Dark and singular dispersive optical solitons of SchrÃ¶dingerâ€Hirota equation by modified simple equation method. Optik, 2017, 136, 445-450.	1.4	50
52	Nematicons in liquid crystals by modified simple equation method. Nonlinear Dynamics, 2017, 88, 2863-2872.	2.7	36
53	Dynamics of optical solitons in dual-core fibers via two integration schemes. Superlattices and Microstructures, 2017, 106, 156-162.	1.4	41
54	Optical solitons with complex Ginzburgâ€Landau equation by modified simple equation method. Optik, 2017, 144, 475-480.	1.4	136

#	ARTICLE	IF	CITATIONS
55	Parallel propagation of dispersive optical solitons by extended trial equation method. <i>Optik</i> , 2017, 144, 565-572.	1.4	19
56	Dark and singular optical solitons with spatio-temporal dispersion using modified simple equation method. <i>Optik</i> , 2017, 130, 324-331.	1.4	46
57	Solitons in nonlinear directional couplers with optical metamaterials. <i>Nonlinear Dynamics</i> , 2017, 87, 427-458.	2.7	35
58	Topological and singular soliton solution to Kunduâ€Eckhaus equation with extended Kudryashov's method. <i>Optik</i> , 2017, 128, 57-62.	1.4	49
59	Optical solitons in birefringent fibers with modified simple equation method. <i>Optik</i> , 2017, 130, 996-1003.	1.4	30
60	Exact and soliton solutions to nonlinear transmission line model. <i>Nonlinear Dynamics</i> , 2017, 87, 767-773.	2.7	33
61	Solitons in Nonlinear Directional Couplers with Optical Metamaterials by Trial Function Scheme. <i>Acta Physica Polonica A</i> , 2017, 132, 1399-1410.	0.2	35
62	Soliton solutions to resonant nonlinear schrodinger's equation with time-dependent coefficients by modified simple equation method. <i>Optik</i> , 2016, 127, 11450-11459.	1.4	72
63	Optical solitons with higher order dispersions in parabolic law medium by trial solution approach. <i>Optik</i> , 2016, 127, 11306-11310.	1.4	17
64	Exact traveling wave solutions for system of nonlinear evolution equations. <i>SpringerPlus</i> , 2016, 5, 663.	1.2	5
65	Exact solutions of the Drinfelâ€Sokolovâ€Wilson equation using BÃcklund transformation of Riccati equation and trial function approach. <i>Pramana - Journal of Physics</i> , 2016, 86, 1153-1160.	0.9	39
66	Application of the generalized Kudryashov method to the Eckhaus equation. <i>Nonlinear Analysis: Modelling and Control</i> , 2016, 21, 577-586.	1.1	47
67	Solitons in Optical Metamaterials with Trial Solution Approach and BÃcklund Transform of Riccati Equation. <i>Journal of Computational and Theoretical Nanoscience</i> , 2015, 12, 5940-5948.	0.4	42
68	Dark optical solitons of Biswas-Milovic equation with dual-power law nonlinearity. <i>European Physical Journal Plus</i> , 2015, 130, 1.	1.2	54
69	Soliton solutions to resonant nonlinear SchrÃdingerâ€™s equation with time-dependent coefficients by trial solution approach. <i>Nonlinear Dynamics</i> , 2015, 81, 277-282.	2.7	153
70	BÃcklund transformation of fractional Riccati equation and its applications to the spaceâ€time FDEs. <i>Mathematical Methods in the Applied Sciences</i> , 2015, 38, 4673-4678.	1.2	12
71	Optical solutions and conservation laws of the Chenâ€Leeâ€Liu equation with Kudryashov's refractive index via two integrable techniques. <i>Waves in Random and Complex Media</i> , 0, , 1-17.	1.6	19