

Abdul Majid Wazwaz

List of Publications by Year in descending order

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541
papers

24,182
citations

7069

78
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18606

119
g-index

547
all docs

547
docs citations

547
times ranked

3653
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Unsteady three-dimensional laminar flow over a submerged plate in electrically conducting fluid with applied magnetic field. <i>Waves in Random and Complex Media</i> , 2023, 33, 505-524. | 1.6 | 11 |
| 2 | Forward scattering for non-linear wave propagation in (3 + 1)-dimensional Jimbo-Miwa equation using singular manifold and group transformation methods. <i>Waves in Random and Complex Media</i> , 2022, 32, 663-675. | 1.6 | 20 |
| 3 | Lie symmetry analysis and soliton solutions for complex short pulse equation. <i>Waves in Random and Complex Media</i> , 2022, 32, 968-979. | 1.6 | 4 |
| 4 | Simulation of the eigenvalue problem for tapered rotating beams by the modified decomposition method. <i>International Journal for Computational Methods in Engineering Science and Mechanics</i> , 2022, 23, 20-28. | 1.4 | 3 |
| 5 | New (3+1)-dimensional integrable fourth-order nonlinear equation: lumps and multiple soliton solutions. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2022, 32, 1664-1673. | 1.6 | 8 |
| 6 | Lie symmetry analysis of a stochastic gene evolution in double-chain deoxyribonucleic acid system. <i>Waves in Random and Complex Media</i> , 2022, 32, 2903-2917. | 1.6 | 15 |
| 7 | SOLITARY AND LUMP WAVES INTERACTION IN VARIABLE-COEFFICIENT NONLINEAR EVOLUTION EQUATION BY A MODIFIED ANSÄTZ WITH VARIABLE COEFFICIENTS. <i>Journal of Applied Analysis and Computation</i> , 2022, 12, 517-532. | 0.2 | 9 |
| 8 | Lump molecules in fluid systems: Kadomtsev-Petviashvili I case. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2022, 424, 127848. | 0.9 | 18 |
| 9 | On the modified Gardner type equation and its time fractional form. <i>Chaos, Solitons and Fractals</i> , 2022, 155, 111694. | 2.5 | 36 |
| 10 | Bright and dark optical solitons of the (2+1)-dimensional perturbed nonlinear Schrödinger equation in nonlinear optical fibers. <i>Optik</i> , 2022, 251, 168334. | 1.4 | 50 |
| 11 | Derivation of lump solutions to a variety of Boussinesq equations with distinct dimensions. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2022, 32, 3072-3082. | 1.6 | 12 |
| 12 | The generation mechanism of multiple-pole solutions for the fifth-order mKdV equation. <i>European Physical Journal Plus</i> , 2022, 137, 1. | 1.2 | 4 |
| 13 | Optical envelope soliton solutions for coupled nonlinear Schrödinger equations applicable to high birefringence fibers. <i>Optik</i> , 2022, 255, 168673. | 1.4 | 63 |
| 14 | An Efficient Method for Solving the Generalized Thomas-Fermi and Lane-Emden-Fowler Type Equations with Nonlocal Integral Type Boundary Conditions. <i>International Journal of Applied and Computational Mathematics</i> , 2022, 8, 1. | 0.9 | 3 |
| 15 | Lie Symmetries, Closed-Form Solutions, and Various Dynamical Profiles of Solitons for the Variable Coefficient (2+1)-Dimensional KP Equations. <i>Symmetry</i> , 2022, 14, 597. | 1.1 | 55 |
| 16 | Analytical approximations of three-point generalized Thomas-Fermi and Lane-Emden-Fowler type equations. <i>European Physical Journal Plus</i> , 2022, 137, 1. | 1.2 | 5 |
| 17 | New soliton solutions of Dual mode Sawada Kotera equation using a new form of modified Kudryashov method and the finite difference method. <i>Journal of Ocean Engineering and Science</i> , 2022, , . | 1.7 | 6 |
| 18 | A NEW (3+1)-DIMENSIONAL KDV EQUATION AND MKDV EQUATION WITH THEIR CORRESPONDING FRACTIONAL FORMS. <i>Fractals</i> , 2022, 30, . | 1.8 | 13 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Integrable (3+1)-dimensional Ito equation: variety of lump solutions and multiple-soliton solutions. <i>Nonlinear Dynamics</i> , 2022, 109, 1929-1934. | 2.7 | 39 |
| 20 | Symmetries and dynamic wave solutions for (3+1)-dimensional potential Calogeroâ€“Bogoyavlenskiiâ€“Schiff equation. <i>Journal of Ocean Engineering and Science</i> , 2022, , . | 1.7 | 3 |
| 21 | A new recursive scheme for solving a fractional differential equation of ray tracing through the crystalline lens. <i>Optical and Quantum Electronics</i> , 2022, 54, . | 1.5 | 4 |
| 22 | Bright and dark envelope optical solitons for a (2+1)-dimensional cubic nonlinear SchrÃ¶dinger equation. <i>Optik</i> , 2022, 265, 169525. | 1.4 | 12 |
| 23 | Optical soliton solutions of variable coefficient Biswasâ€“Milovic (BM) model comprising Kerr law and damping effect. <i>Optik</i> , 2022, 266, 169617. | 1.4 | 49 |
| 24 | Two new integrable modified KdV equations, of third-and fifth-order, with variable coefficients: multiple real and multiple complex soliton solutions. <i>Waves in Random and Complex Media</i> , 2021, 31, 867-878. | 1.6 | 10 |
| 25 | A Multiple Variational Iteration Method for Nonlinear Two-Point Boundary Value Problems with Nonlinear Conditions. <i>International Journal of Computational Methods</i> , 2021, 18, 2050028. | 0.8 | 2 |
| 26 | A variety of multiple-soliton solutions for the integrable (4+1)-dimensional Fokas equation. <i>Waves in Random and Complex Media</i> , 2021, 31, 46-56. | 1.6 | 32 |
| 27 | Einstein's vacuum field equation: PainlevÃ© analysis and Lie symmetries. <i>Waves in Random and Complex Media</i> , 2021, 31, 199-206. | 1.6 | 53 |
| 28 | A variety of completely integrable Calogeroâ€“Bogoyavlenskiiâ€“Schiff equations with time-dependent coefficients. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2021, 31, 174-185. | 1.6 | 11 |
| 29 | Breather wave and lumpâ€“type solutions of new (3+1)-dimensional Boitiâ€“Leonâ€“Mannaâ€“Pempinelli equation in incompressible fluid. <i>Mathematical Methods in the Applied Sciences</i> , 2021, 44, 2200-2208. | 1.2 | 31 |
| 30 | Bright and dark optical solitons for (3+1)-dimensional SchrÃ¶dinger equation with cubicâ€“quintic-septic nonlinearities. <i>Optik</i> , 2021, 225, 165752. | 1.4 | 46 |
| 31 | Analytical and numerical treatment to the (2+1)-dimensional Date-Jimbo-Kashiwara-Miwa equation. <i>Nonlinear Engineering</i> , 2021, 10, 187-200. | 1.4 | 10 |
| 32 | The Numerical Validation of the Adomian Decomposition Method for Solving Volterra Integral Equation with Discontinuous Kernels Using the CESTAC Method. <i>Mathematics</i> , 2021, 9, 260. | 1.1 | 37 |
| 33 | Perturbation, symmetry analysis, BÃ¤cklund and reciprocal transformation for the extended Boussinesq equation in fluid mechanics. <i>Communications in Theoretical Physics</i> , 2021, 73, 045003. | 1.1 | 7 |
| 34 | Lie symmetry analysis for complex soliton solutions of coupled complex short pulse equation. <i>Mathematical Methods in the Applied Sciences</i> , 2021, 44, 5238-5250. | 1.2 | 16 |
| 35 | Soliton solutions through optical fibers for quadraticâ€“cubic nonlinear medium: A complex ansÃ¤tze approach. <i>Optik</i> , 2021, 229, 166268. | 1.4 | 13 |
| 36 | A (2+1)-dimensional Kadomtsevâ€“Petviashvili equation with competing dispersion effect: PainlevÃ© analysis, dynamical behavior and invariant solutions. <i>Results in Physics</i> , 2021, 23, 104043. | 2.0 | 89 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Computational Method for Reaction Diffusion-Model Arising in a Spherical Catalyst. International Journal of Applied and Computational Mathematics, 2021, 7, 1. | 0.9 | 15 |
| 38 | New extended Kadomtsev-Petviashvili equation: multiple soliton solutions, breather, lump and interaction solutions. Nonlinear Dynamics, 2021, 104, 1581-1594. | 2.7 | 142 |
| 39 | Lie symmetries, optimal system, group-invariant solutions and dynamical behaviors of solitary wave solutions for a (3+1)-dimensional KdV-type equation. European Physical Journal Plus, 2021, 136, 1. | 1.2 | 39 |
| 40 | Plasma-waves evolution and propagation modeled by sixth order Ramani and coupled Ramani equations using symmetry methods. Physica Scripta, 2021, 96, 085213. | 1.2 | 11 |
| 41 | Two new Painlevé integrable KdV-Calogero-Bogoyavlenskii-Schiff (KdV-CBS) equation and new negative-order KdV-CBS equation. Nonlinear Dynamics, 2021, 104, 4311-4315. | 2.7 | 22 |
| 42 | Two (3+1)-dimensional Schrödinger equations with cubic-quintic-septic nonlinearities: Bright and dark optical solitons. Optik, 2021, 235, 166646. | 1.4 | 24 |
| 43 | A new (3+1)-dimensional Kadomtsev-Petviashvili equation and its integrability, multiple-solitons, breathers and lump waves. Mathematics and Computers in Simulation, 2021, 187, 505-519. Conformable space-time fractional nonlinear ($\langle \text{mml:math} \rangle \text{Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 482 Td (xmlns:mml="http://www.w3.org/}$ | 2.4 | 88 |
| 44 | Schrödinger-type models and their traveling wave solutions. Chaos, Solitons and Fractals, 2021, 150, 111187. | 2.5 | 40 |
| 45 | New (3+1)-dimensional Painlevé integrable fifth-order equation with third-order temporal dispersion. Nonlinear Dynamics, 2021, 106, 891-897. | 2.7 | 65 |
| 46 | Bright and dark optical solitons for a new (3+1)-dimensional nonlinear Schrödinger equation. Optik, 2021, 241, 166985. | 1.4 | 38 |
| 47 | Higher-order Sasa-Satsuma equation: Bright and dark optical solitons. Optik, 2021, 243, 167421. | 1.4 | 34 |
| 48 | Novel bifurcation solitons for an extended Kadomtsev-Petviashvili equation in fluids. Physics Letters, Section A: General, Atomic and Solid State Physics, 2021, 413, 127585. | 0.9 | 47 |
| 49 | A variety of bright and dark optical soliton solutions of an extended higher-order Sasa-Satsuma equation. Optik, 2021, 247, 167938. | 1.4 | 11 |
| 50 | Exponential time differencing method for modeling the dissipative rogue waves and breathers in a collisional plasma. European Physical Journal Plus, 2021, 136, 1. | 1.2 | 13 |
| 51 | Protracted study on a real physical phenomenon generated by media inhomogeneities. Results in Physics, 2021, 31, 104933. | 2.0 | 25 |
| 52 | Adomian decomposition method for modelling the dissipative higher-order rogue waves in a superthermal collisional plasma. Journal of Taibah University for Science, 2021, 15, 971-983. | 1.1 | 20 |
| 53 | Two new Painlevé-integrable extended Sakovich equations with (2+1) and (3+1) dimensions. International Journal of Numerical Methods for Heat and Fluid Flow, 2020, 30, 1379-1387. | 1.6 | 19 |
| 54 | Painlevé analysis for three integrable shallow water waves equations with time-dependent coefficients. International Journal of Numerical Methods for Heat and Fluid Flow, 2020, 30, 996-1008. | 1.6 | 15 |

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|----|--|-----|-----------|
| 55 | Two new integrable Kadomtsevâ€“Petviashvili equations with time-dependent coefficients: multiple real and complex soliton solutions. <i>Waves in Random and Complex Media</i> , 2020, 30, 776-786. | 1.6 | 15 |
| 56 | New extended rational trigonometric methods and applications. <i>Waves in Random and Complex Media</i> , 2020, 30, 5-26. | 1.6 | 23 |
| 57 | Construction of exact solutions in a magneto-electro-elastic circular rod. <i>Waves in Random and Complex Media</i> , 2020, 30, 340-353. | 1.6 | 11 |
| 58 | Repeated application of the recursion operator for a new hierarchy of negative-order integrable KdV equations. <i>Waves in Random and Complex Media</i> , 2020, 30, 300-307. | 1.6 | 1 |
| 59 | A (2+1)-dimensional time-dependent Dateâ€“Jimboâ€“Kashiwaraâ€“Miwa equation: Painlevé integrability and multiple soliton solutions. <i>Computers and Mathematics With Applications</i> , 2020, 79, 1145-1149. | 1.4 | 40 |
| 60 | Novel high-order breathers and rogue waves in the Boussinesq equation via determinants. <i>Mathematical Methods in the Applied Sciences</i> , 2020, 43, 3701-3715. | 1.2 | 16 |
| 61 | Optical soliton solutions to the generalized nonautonomous nonlinear Schrödinger equations in optical fibers via the sine-Gordon expansion method. <i>Optik</i> , 2020, 208, 164132. | 1.4 | 100 |
| 62 | Bright, dark and Gaussons optical solutions for fourth-order Schrödinger equations with cubicâ€“quintic and logarithmic nonlinearities. <i>Optik</i> , 2020, 202, 163564. | 1.4 | 26 |
| 63 | Lump, multi-lump, cross kinky-lump and manifold periodic-soliton solutions for the (2+1)-D Calogeroâ€“Bogoyavlenskiiâ€“Schiff equation. <i>Heliyon</i> , 2020, 6, e03701. | 1.4 | 19 |
| 64 | Lie symmetry analysis, exact analytical solutions and dynamics of solitons for (2 + 1)-dimensional NNV equations. <i>Physica Scripta</i> , 2020, 95, 095204. | 1.2 | 86 |
| 65 | Simulation of large deflections of a flexible cantilever beam fabricated from functionally graded materials by the Adomian decomposition method. <i>International Journal of Dynamical Systems and Differential Equations</i> , 2020, 10, 287. | 0.2 | 3 |
| 66 | Higher dimensional nonlinear Schrödinger equations in anomalous dispersion and normal dispersive regimes: Bright and dark optical solitons. <i>Optik</i> , 2020, 222, 165327. | 1.4 | 27 |
| 67 | New (3â€“+â€“1)-dimensional Date-Jimbo-Kashiwara-Miwa equations with constant and time-dependent coefficients: Painlevé integrability. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2020, 384, 126787. | 0.9 | 30 |
| 68 | New exact solitary wave solutions of the strain wave equation in microstructured solids via the generalized exponential rational function method. <i>European Physical Journal Plus</i> , 2020, 135, 1. | 1.2 | 86 |
| 69 | On short-range pulse propagation described by (2 + 1)-dimensional Schrödinger's hyperbolic equation in nonlinear optical fibers. <i>Physica Scripta</i> , 2020, 95, 075203. | 1.2 | 33 |
| 70 | New integrable (2+1)-dimensional sine-Gordon equations with constant and time-dependent coefficients: Multiple optical kink wave solutions. <i>Optik</i> , 2020, 216, 164640. | 1.4 | 16 |
| 71 | New integrable (2+1)- and (3+1)-dimensional sinh-Gordon equations with constant and time-dependent coefficients. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2020, 384, 126529. | 0.9 | 20 |
| 72 | Kadomtsevâ€“Petviashvili hierarchy: two integrable equations with time-dependent coefficients. <i>Nonlinear Dynamics</i> , 2020, 100, 3711-3716. | 2.7 | 49 |

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|----|---|-----|-----------|
| 73 | Bidirectional solitons and interaction solutions for a new integrable fifth-order nonlinear equation with temporal and spatial dispersion. <i>Nonlinear Dynamics</i> , 2020, 101, 581-595. | 2.7 | 53 |
| 74 | Multiple optical kink solutions for new Painlevé integrable (3+1)-dimensional sine-Gordon equations with constant and time-dependent coefficients. <i>Optik</i> , 2020, 219, 165003. | 1.4 | 3 |
| 75 | Optical bright and dark soliton solutions for coupled nonlinear Schrödinger (CNLS) equations by the variational iteration method. <i>Optik</i> , 2020, 207, 164457. | 1.4 | 55 |
| 76 | Painlevé analysis for Boiti-Leon-Manna-Pempinelli equation of higher dimensions with time-dependent coefficients: Multiple soliton solutions. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2020, 384, 126310. | 0.9 | 36 |
| 77 | Two new Painlevé-integrable (2+1) and (3+1)-dimensional KdV equations with constant and time-dependent coefficients. <i>Nuclear Physics B</i> , 2020, 954, 115009. | 0.9 | 52 |
| 78 | Multiple complex soliton solutions for integrable negative-order KdV and integrable negative-order modified KdV equations. <i>Applied Mathematics Letters</i> , 2019, 88, 1-7. | 1.5 | 42 |
| 79 | Families of semi-rational solutions to the Kadomtsev-Petviashvili I equation. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2019, 67, 480-491. | 1.7 | 40 |
| 80 | Group invariant solutions of (2+1)-dimensional rdDym equation using optimal system of Lie subalgebra. <i>Physica Scripta</i> , 2019, 94, 115202. | 1.2 | 18 |
| 81 | Bright and dark optical solitons for (2+1)-dimensional Schrödinger (NLS) equations in the anomalous dispersion regimes and the normal dispersive regimes. <i>Optik</i> , 2019, 192, 162948. | 1.4 | 65 |
| 82 | A variety of optical solitons for nonlinear Schrödinger equation with detuning term by the variational iteration method. <i>Optik</i> , 2019, 196, 163169. | 1.4 | 31 |
| 83 | Integrability aspects and localized wave solutions for a new $(4+1)$ -dimensional Boiti-Leon-Manna-Pempinelli equation. <i>Nonlinear Dynamics</i> , 2019, 98, 1379-1390. | 2.7 | 44 |
| 84 | The integrable time-dependent sine-Gordon equation with multiple optical kink solutions. <i>Optik</i> , 2019, 182, 605-610. | 1.4 | 40 |
| 85 | A general bilinear form to generate different wave structures of solitons for a (3+1)-dimensional Boiti-Leon-Manna-Pempinelli equation. <i>Mathematical Methods in the Applied Sciences</i> , 2019, 42, 6277-6283. | 1.2 | 119 |
| 86 | Two integrable third-order and fifth-order KdV equations with time-dependent coefficients. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2019, 29, 2093-2102. | 1.6 | 9 |
| 87 | Analytic study on triple-S, triple-triangle structure interactions for solitons in inhomogeneous multi-mode fiber. <i>Applied Mathematics and Computation</i> , 2019, 361, 325-331. | 1.4 | 49 |
| 88 | New integrable Boussinesq equations of distinct dimensions with diverse variety of soliton solutions. <i>Nonlinear Dynamics</i> , 2019, 97, 83-94. | 2.7 | 102 |
| 89 | Optical solitons for nonlinear Schrödinger (NLS) equation in normal dispersive regimes. <i>Optik</i> , 2019, 184, 428-435. | 1.4 | 57 |
| 90 | Multiple complex soliton solutions for the integrable KdV, fifth-order Lax, modified KdV, Burgers, and Sharma-Tasso-Olver equations. <i>Chinese Journal of Physics</i> , 2019, 59, 372-378. | 2.0 | 37 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 91 | Characteristics of integrability, bidirectional solitons and localized solutions for a $(2+1)$ dimensional nonlinear Schrödinger equation in the Heisenberg ferromagnetic spin chain. Laser Physics, 2019, 29, 035401. | 2.7 | 44 |
| 92 | Transformation of soliton states for a $(2+1)$ dimensional fourth-order nonlinear Schrödinger equation in the Heisenberg ferromagnetic spin chain. Laser Physics, 2019, 29, 035401. | 0.6 | 37 |
| 93 | High-order breathers, lumps, and semi-rational solutions to the $(2+1)$ -dimensional Hirota-Satsuma-Ito equation. Physica Scripta, 2019, 94, 075203. | 1.2 | 27 |
| 94 | Painlevé analysis for new $(3+1)$ -dimensional Boiti-Leon-Manna-Pempinelli equations with constant and time-dependent coefficients. International Journal of Numerical Methods for Heat and Fluid Flow, 2019, 30, 4259-4266. | 1.6 | 23 |
| 95 | An extended time-dependent KdV equation. International Journal of Numerical Methods for Heat and Fluid Flow, 2019, 29, 4205-4212. | 1.6 | 3 |
| 96 | New integrable Vakhnenko-Parkes (VP) equations with time-dependent coefficients. International Journal of Numerical Methods for Heat and Fluid Flow, 2019, 29, 4598-4606. | 1.6 | 6 |
| 97 | Construction of a hierarchy of negative-order integrable Burgers equations of higher orders. Mathematical Methods in the Applied Sciences, 2019, 42, 1553-1560. | 1.2 | 1 |
| 98 | A variety of nonautonomous complex wave solutions for the $(2+1)$ -dimensional nonlinear Schrödinger equation with variable coefficients in nonlinear optical fibers. Optik, 2019, 180, 917-923. | 1.4 | 89 |
| 99 | Group invariant solutions of $(3+1)$ -dimensional generalized B-type Kadomtsev Petviashvili equation using optimal system of Lie subalgebra. Physica Scripta, 2019, 94, 065204. | 1.2 | 41 |
| 100 | Bright and dark optical solitons for Schrödinger-Hirota equation with variable coefficients. Optik, 2019, 179, 479-484. | 1.4 | 95 |
| 101 | Abundant complex wave solutions for the nonautonomous Fokas-Lenells equation in presence of perturbation terms. Optik, 2019, 181, 503-513. | 1.4 | 86 |
| 102 | The integrable Vakhnenko-Parkes (VP) and the modified Vakhnenko-Parkes (MVP) equations: Multiple real and complex soliton solutions. Chinese Journal of Physics, 2019, 57, 375-381. | 2.0 | 45 |
| 103 | Optical Gaussons for nonlinear logarithmic Schrödinger equations via the variational iteration method. Optik, 2019, 180, 414-418. | 1.4 | 44 |
| 104 | Lump, breather and solitary wave solutions to new reduced form of the generalized BKP equation. International Journal of Numerical Methods for Heat and Fluid Flow, 2019, 29, 569-579. | 1.6 | 78 |
| 105 | Complex simplified Hirota's forms and Lie symmetry analysis for multiple real and complex soliton solutions of the modified KdV-Sine-Gordon equation. Nonlinear Dynamics, 2019, 95, 2209-2215. | 2.7 | 69 |
| 106 | A variety of negative-order integrable KdV equations of higher orders. Waves in Random and Complex Media, 2019, 29, 195-203. | 1.6 | 9 |
| 107 | General high-order breathers and rogue waves in the KP-Boussinesq equation. Communications in Nonlinear Science and Numerical Simulation, 2018, 64, 1-13. | 1.7 | 59 |
| 108 | Exact wave solutions for the nonlinear time fractional Sharma-Tasso-Olver equation and the fractional Klein-Gordon equation in mathematical physics. Optical and Quantum Electronics, 2018, 50, 1. | 1.5 | 27 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 109 | Analyzing the combined multi-waves polynomial solutions in a two-layer-liquid medium. Computers and Mathematics With Applications, 2018, 76, 276-283. | 1.4 | 63 |
| 110 | Interaction of lumps and dark solitons in the Melnikov equation. Nonlinear Dynamics, 2018, 92, 2049-2059. | 2.7 | 36 |
| 111 | Two-mode Sharma-Tasso-Olver equation and two-mode fourth-order Burgers equation: Multiple kink solutions. AEJ - Alexandria Engineering Journal, 2018, 57, 1971-1976. | 3.4 | 34 |
| 112 | A new integrable equation combining the modified KdV equation with the negative-order modified KdV equation: multiple soliton solutions and a variety of solitonic solutions. Waves in Random and Complex Media, 2018, 28, 533-543. | 1.6 | 15 |
| 113 | A new integrable equation that combines the KdV equation with the negative-order KdV equation. Mathematical Methods in the Applied Sciences, 2018, 41, 80-87. | 1.2 | 17 |
| 114 | Painlevé analysis for a new integrable equation combining the modified Calogero-Bogoyavlenskii-Schiff (MCBS) equation with its negative-order form. Nonlinear Dynamics, 2018, 91, 877-883. | 2.7 | 55 |
| 115 | An efficient algorithm to construct multi-soliton rational solutions of the $(2+1)$ -dimensional KdV equation with variable coefficients. Applied Mathematics and Computation, 2018, 321, 282-289. | 1.4 | 107 |
| 116 | The successive differentiation computer-assisted method for solving well-known scientific and engineering models. International Journal of Numerical Methods for Heat and Fluid Flow, 2018, 28, 2862-2873. | 1.6 | 1 |
| 117 | Comment on "Soliton solutions and chaotic motion of the extended Zakharov-Kuznetsov equations in a magnetized two-ion-temperature dusty plasma" [Phys. Plasmas 21(10), 073709 (2014)]. Physics of Plasmas, 2018, 25, . | 0.7 | 1 |
| 118 | A new nonlinear integrable fifth-order equation: multiple soliton solutions with unusual phase shifts. Physica Scripta, 2018, 93, 115201. | 1.2 | 30 |
| 119 | Anatomy of modified Korteweg-de Vries equation for studying the modulated envelope structures in non-Maxwellian dusty plasmas: Freak waves and dark soliton collisions. Physics of Plasmas, 2018, 25, . | 0.7 | 35 |
| 120 | Optical solitons for perturbed Gerdjikov-Ivanov equation. Optik, 2018, 174, 447-451. | 1.4 | 43 |
| 121 | Multiple complex and multiple real soliton solutions for the integrable sine-Gordon equation. Optik, 2018, 172, 622-627. | 1.4 | 42 |
| 122 | Painlevé analysis and invariant solutions of generalized fifth-order nonlinear integrable equation. Nonlinear Dynamics, 2018, 94, 2469-2477. | 2.7 | 91 |
| 123 | Negative-order integrable modified KdV equations of higher orders. Nonlinear Dynamics, 2018, 93, 1371-1376. | 2.7 | 25 |
| 124 | Two new integrable fourth-order nonlinear equations: multiple soliton solutions and multiple complex soliton solutions. Nonlinear Dynamics, 2018, 94, 2655-2663. | 2.7 | 70 |
| 125 | New exact solutions to extended $(3+1)$ -dimensional Jimbo-Miwa equations by using bilinear forms. Mathematical Methods in the Applied Sciences, 2018, 41, 7566-7575. | 1.2 | 11 |
| 126 | Dynamical analysis of lump solutions for $(3+1)$ dimensional generalized KP-Boussinesq equation and its dimensionally reduced equations. Physica Scripta, 2018, 93, 075203. | 1.2 | 99 |

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|-----|--|-----|-----------|
| 127 | Closed form traveling wave solutions of non-linear fractional evolution equations through the modified simple equation method. <i>Thermal Science</i> , 2018, 22, 341-352. | 0.5 | 7 |
| 128 | Multiple soliton solutions and other exact solutions for a two-mode KdV equation. <i>Mathematical Methods in the Applied Sciences</i> , 2017, 40, 2277-2283. | 1.2 | 22 |
| 129 | Higher order numeric solutions of the Lane-Emden-type equations derived from the multi-stage modified Adomian decomposition method. <i>International Journal of Computer Mathematics</i> , 2017, 94, 197-215. | 1.0 | 26 |
| 130 | A numerical approach for a class of astrophysics equations using piecewise spectral-variational iteration method. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2017, 27, 358-378. | 1.6 | 9 |
| 131 | New $(3 + 1)$ -dimensional equations of Burgers type and Sharma-Tasso-Olver type: multiple-soliton solutions. <i>Nonlinear Dynamics</i> , 2017, 87, 2457-2461. | 2.7 | 73 |
| 132 | Combined optical solitary waves of the Fokas-Lenells equation. <i>Waves in Random and Complex Media</i> , 2017, 27, 587-593. | 1.6 | 85 |
| 133 | A study on a two-wave mode Kadomtsev-Petviashvili equation: conditions for multiple soliton solutions to exist. <i>Mathematical Methods in the Applied Sciences</i> , 2017, 40, 4128-4133. | 1.2 | 42 |
| 134 | Dual solutions for nonlinear boundary value problems by the variational iteration method. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2017, 27, 210-220. | 1.6 | 13 |
| 135 | A two-mode modified KdV equation with multiple soliton solutions. <i>Applied Mathematics Letters</i> , 2017, 70, 1-6. | 1.5 | 65 |
| 136 | Solving the $(3 + 1)$ -dimensional KP-Boussinesq and BKP-Boussinesq equations by the simplified Hirota's method. <i>Nonlinear Dynamics</i> , 2017, 88, 3017-3021. | 2.7 | 178 |
| 137 | Three-dimensional modulational instability of the electrostatic waves in i magnetoplasmas having superthermal particles. <i>Physics of Plasmas</i> , 2017, 24, 022126. | 0.7 | 16 |
| 138 | Negative-Order KdV and Negative-Order KP Equations: Multiple Soliton Solutions. <i>Proceedings of the National Academy of Sciences India Section A - Physical Sciences</i> , 2017, 87, 291-296. | 0.8 | 12 |
| 139 | On the nonlinear dynamics of breathers waves in electronegative plasmas with Maxwellian negative ions. <i>Physics of Plasmas</i> , 2017, 24, . | 0.7 | 30 |
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