Chaudry Masood Khalique

List of Publications by Year
in descending order

260 papers	4,611 citations	117625 34 h-index	149698 56 g-index
266 all docs	266 docs citations	266 times ranked	1836 citing authors

#	Article	IF	Citations
1	Application of Legendre wavelets for solving fractional differential equations. Computers and Mathematics With Applications, 2011, 62, 1038-1045.	2.7	149
2	Stationary solutions for nonlinear dispersive SchrÃ¶dingerâ€™s equation. Nonlinear Dynamics, 2011, 63, 623-626.	5.2	130
3	Solitary waves with the Madelung fluid description: A generalized derivative nonlinear SchrÃ¶dinger equation. Communications in Nonlinear Science and Numerical Simulation, 2016, 31, 40-46.	3.3	130
4	A note on rational solutions to a Hirota-Satsuma-like equation. Applied Mathematics Letters, 2016, 58, 13-18.	2.7	128
5	Rational solutions to an extended Kadomtsev-Petviashvili-like equation with symbolic computation. Computers and Mathematics With Applications, 2016, 71, 1560-1567.	2.7	120
6	Envelope bright- and dark-soliton solutions for the Gerdjikovâ€“Ivanov model. Nonlinear Dynamics, 2015, 82, 1211-1220.	5.2	116
7	A new approach for solving a system of fractional partial differential equations. Computers and Mathematics With Applications, 2013, 66, 838-843.	2.7	114
8	Numerical investigation and sensitivity analysis on bioconvective tangent hyperbolic nanofluid flow towards stretching surface by response surface methodology. AEJ - Alexandria Engineering Journal, 2020, 59, 4533-4548.	6.4	112
9	A Lie symmetry approach to nonlinear SchrÃ¶dingerâ€™s equation with non-Kerr law nonlinearity. Communications in Nonlinear Science and Numerical Simulation, 2009, 14, 4033-4040.	3.3	105
10	Application of the Laplace decomposition method for solving linear and nonlinear fractional diffusionâ€“wave equations. Applied Mathematics Letters, 2011, 24, 1799-1805.	2.7	97
11	Magnetohydrodynamic Darcyâ€“Forchheimer nanofluid flow over a nonlinear stretching sheet. Physica Scripta, 2019, 94, 105221.	2.5	90
12	Determining lump solutions for a combined soliton equation in (2+1)-dimensions. European Physical Journal Plus, 2020, 135, 1.	2.6	88
13	A direct bilinear BÃcklund transformation of a (2+1)-dimensional Kortewegâ€“de Vries-like model. Applied Mathematics Letters, 2015, 50, 37-42.	2.7	86
14	Second Grade Bioconvective Nanofluid Flow with Buoyancy Effect and Chemical Reaction. Symmetry, 2020, 12, 621.	2.2	81
15	Significance of Thermal Slip and Convective Boundary Conditions in Three Dimensional Rotating Darcy-Forchheimer Nanofluid Flow. Symmetry, 2020, 12, 741.	2.2	79
16	Exact solutions of the (2+1)-dimensional Zakharovâ€“Kuznetsov modified equal width equation using Lie group analysis. Mathematical and Computer Modelling, 2011, 54, 184-189.	2.0	73
17	Solutions and conservation laws of Benjaminâ€“Bonaâ€“Mahonyâ€“Peregrine equation with power-law and dual power-law nonlinearities. Pramana - Journal of Physics, 2013, 80, 413-427.	1.8	72
18	Three-dimensional flow analysis of Carreau fluid model induced by peristaltic wave in the presence of magnetic field. Journal of Molecular Liquids, 2017, 241, 1059-1068.	4.9	70

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19	Lie symmetry analysis, conservation laws and exact solutions of the seventh-order time fractional Sawadaâ€“Koteraâ€“Ito equation. Results in Physics, 2016, 6, 322-328.	4.1	59
20	Numerical analysis of activation energy on MHD nanofluid flow with exponential temperature-dependent viscosity past a porous plate. Journal of Thermal Analysis and Calorimetry, 2021, 143, 2585-2596.	3.6	58
21	Travelling waves and conservation laws of a (2+1)-dimensional coupling system with Korteweg-de Vries equation. Applied Mathematics and Nonlinear Sciences, 2018, 3, 241-254.	1.6	57
22	Exact solutions and conservation laws of a coupled integrable dispersionless system. Filomat, 2012, 26, 957-964.	0.5	55
23	Exact solutions and conservation laws of Zakharovâ€“Kuznetsov modified equal width equation with power law nonlinearity. Nonlinear Analysis: Real World Applications, 2012, 13, 1692-1702.	1.7	55
24	Lagrangian formulation of a generalized Lane-Emden equation and double reduction. Journal of Nonlinear Mathematical Physics, 2008, 15, 152.	1.3	53
25	Symmetry reductions, exact solutions and conservation laws of a new coupled KdV system. Communications in Nonlinear Science and Numerical Simulation, 2012, 17, 3465-3475.	3.3	53
26	A Study on Lump Solutions to a Generalized Hirota-Satsuma-Ito Equation in (2+1)-Dimensions. Complexity, 2018, 2018, 1-7.	1.6	49
27	Lie symmetry analysis, optimal system, new solitary wave solutions and conservation laws of the Pavlov equation. Communications in Nonlinear Science and Numerical Simulation, 2021, 94, 105560.	3.3	45
28	New exact solutions and conservation laws of a coupled Kadomtsevâ€“Petviashvili system. Computers and Fluids, 2013, 81, 10-16.	2.5	43
29	Heat transfer effects on electro-magnetohydrodynamic Carreau fluid flow between two micro-parallel plates with Darcyâ€“Brinkmanâ€“Forchheimer medium. Archive of Applied Mechanics, 2021, 91, 1683-1695.	2.2	41
30	Dark solitons of the Biswasâ€“Milovic equation by the first integral method. Optik, 2013, 124, 3929-3932.	2.9	39
31	Evolutionary computing for nonlinear singular boundary value problems using neural network, genetic algorithm and active-set algorithm. European Physical Journal Plus, 2021, 136, 1.	2.6	39
32	The effects of the singular lines on the traveling wave solutions of modified dispersive water wave equations. Nonlinear Analysis: Real World Applications, 2019, 47, 236-250.	1.7	38
33	Exact solutions of the generalized Laneâ€“Emden equations of the first and second kind. Pramana - Journal of Physics, 2011, 77, 545-554.	1.8	36
34	Lie group analysis of upper convected Maxwell fluid flow along stretching surface. AEJ - Alexandria Engineering Journal, 2020, 59, 2533-2541.	6.4	36
35	MHD non-Newtonian flow due to non-coaxial rotations of an accelerated disk and a fluid at infinity. Communications in Nonlinear Science and Numerical Simulation, 2007, 12, 465-485.	3.3	35
36	Neuro-evolution computing for nonlinear multi-singular system of third order Emdenâ€“Fowler equation. Mathematics and Computers in Simulation, 2021, 185, 799-812.	4.4	35

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37	Nonlinear evolution-type equations and their exact solutions using inverse variational methods. Journal of Physics A, 2005, 38, 4629-4636.	1.6	34
38	Exact solutions of the Laneâ€“Emden-type equation. New Astronomy, 2008, 13, 476-480.	1.8	32
39	Symmetry Analysis and Conservation Laws of the Zoomeron Equation. Symmetry, 2017, 9, 27.	2.2	32
40	A (3+1)-dimensional generalized BKP-Boussinesq equation: Lie group approach. Results in Physics, 2019, 13, 102239.	4.1	32
41	Boundary layer equations and stretching sheet solutions for the modified second grade fluid. International Journal of Engineering Science, 2007, 45, 829-841.	5.0	31
42	Optical solitons with power law nonlinearity using Lie group analysis. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 2047-2049.	2.1	31
43	Symmetries, solutions and conservation laws of a class of nonlinear dispersive wave equations. Communications in Nonlinear Science and Numerical Simulation, 2016, 32, 114-121.	3.3	31
44	Travelling wave solutions and conservation laws for the Korteweg-de Vries-Bejamin-Bona-Mahony equation. Results in Physics, 2018, 8, 57-63.	4.1	31
45	A study of (3+1)-dimensional generalized Korteweg-de Vries- Zakharov-Kuznetsov equation via Lie symmetry approach. Results in Physics, 2020, 18, 103197.	4.1	31
46	Group analysis of KdV equation with time dependent coefficients. Applied Mathematics and Computation, 2010, 216, 3761-3771.	2.2	30
47	Travelling wave solutions of nonlinear evolution equations using the simplest equation method. Computers and Mathematics With Applications, 2012, 64, 2084-2088.	2.7	30
48	Multiple-soliton solutions and lumps of a (3+1)-dimensional generalized KP equation. Nonlinear Dynamics, 2019, 95, 1687-1692.	5.2	30
49	Local Fractional Laplace Variational Iteration Method for Solving Diffusion and Wave Equations on Cantor Sets within Local Fractional Operators. Mathematical Problems in Engineering, 2015, 2015, 1-9.	1.1	28
50	A Review of Mixture Theory for Deformable Porous Media and Applications. Applied Sciences (Switzerland), 2017, 7, 917.	2.5	28
51	Lie group classification and invariant solutions of mKdV equation with time-dependent coefficients. Communications in Nonlinear Science and Numerical Simulation, 2011, 16, 1207-1215.	3.3	25
52	Exact solutions and conservation laws of a (3 + 1) -dimensional B-type Kadomtsev-Petviashvili equation. Advances in Difference Equations, 2013, 2013, .	3.5	25
53	Optical Solitons with Parabolic and Dual-Power Law Nonlinearity via Lie Symmetry Analysis. Journal of Electromagnetic Waves and Applications, 2009, 23, 963-973.	1.6	23
54	Fracturing of an Eulerâ€“Bernoulli beam in coal mine pillar extraction. International Journal of Rock Mechanics and Minings Sciences, 2013, 64, 132-138.	5.8	23

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55	A Study of an Extended Generalized (2+1)-dimensional Jaulentâ€“Miodek Equation. International Journal of Nonlinear Sciences and Numerical Simulation, 2018, 19, 391-395.	1.0	23
56	Dynamics of lump solitary wave of Kadomtsevâ€“Petviashviliâ€“Boussinesq-like equation. Computers and Mathematics With Applications, 2019, 78, 840-847.	2.7	23
57	Conservation laws of KdV equation with time dependent coefficients. Communications in Nonlinear Science and Numerical Simulation, 2011, 16, 3081-3089.	3.3	21
58	Slip Flow and Heat Transfer of Nanofluids over a Porous Plate Embedded in a Porous Medium with Temperature Dependent Viscosity and Thermal Conductivity. Applied Sciences (Switzerland), 2016, 6, 376.	2.5	21
59	Exact solutions of the Rosenauâ€“Hyman equation, coupled KdV system and Burgersâ€“Huxley equation using modified transformed rational function method. Modern Physics Letters B, 2018, 32, 1850282.	1.9	21
60	Lagrangian approach to a generalized coupled Laneâ€“Emden system: Symmetries and first integrals. Communications in Nonlinear Science and Numerical Simulation, 2010, 15, 1166-1171.	3.3	20
61	Exact solutions of a generalized (3+1)-dimensional Kadomtsevâ€“Petviashvili equation using Lie symmetry analysis. Applied Mathematics and Computation, 2010, 216, 2849-2854.	2.2	20
62	Stationary solutions for the Biswasâ€“Milovic equation. Applied Mathematics and Computation, 2011, 217, 7400-7404.	2.2	20
63	Stationary solution of the nonlinear SchrÃ¶dinger's equation with log law nonlinearity by Lie symmetry analysis. Waves in Random and Complex Media, 2011, 21, 554-558.	2.7	20
64	On the Solutions and Conservation Laws of a Coupled Kadomtsev-Petviashvili Equation. Journal of Applied Mathematics, 2013, 2013, 1-7.	0.9	20
65	Coupled Burgers equations governing polydispersive sedimentation; a Lie symmetry approach. Results in Physics, 2020, 16, 102967.	4.1	20
66	A study of the generalized nonlinear advection-diffusion equation arising in engineering sciences. AEJ - Alexandria Engineering Journal, 2022, 61, 185-194.	6.4	20
67	Classification and bifurcation of a class of second-order ODEs and its application to nonlinear PDEs. Discrete and Continuous Dynamical Systems - Series S, 2018, 11, 759-772.	1.1	20
68	Analysis of non-linear Kleinâ€“Gordon equations using Lie symmetry. Applied Mathematics Letters, 2010, 23, 1397-1400.	2.7	19
69	An algorithm for the numerical solution of nonlinear fractional-order Van der Pol oscillator equation. Mathematical and Computer Modelling, 2012, 55, 1782-1786.	2.0	19
70	Conservation laws and solutions of a generalized coupled (2+1)-dimensional Burgers system. Computers and Mathematics With Applications, 2017, 74, 1333-1339.	2.7	19
71	Conservation Laws and Exact Solutions of a Generalized Zakharovâ€“Kuznetsov Equation. Symmetry, 2015, 7, 949-961.	2.2	18
72	Conservation laws of coupled semilinear wave equations. International Journal of Modern Physics B, 2016, 30, 1640004.	2.0	18

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73	Combined sinh-cosh-Gordon equation: Symmetry reductions, exact solutions and conservation laws. Quaestiones Mathematicae, 2014, 37, 199-214.	0.6	17
74	Symmetry Analysis and Conservation Laws of a Generalized Two-Dimensional Nonlinear KP-MEW Equation. Mathematical Problems in Engineering, 2015, 2015, 1-7.	1.1	17
75	The Greek parameters of a continuous arithmetic Asian option pricing model via Laplace Adomian decomposition method. Open Physics, 2018, 16, 780-785.	1.7	17
76	Localized solutions of (5+1)-dimensional evolution equations. Nonlinear Dynamics, 2021, 104, 4317-4327.	5.2	17
77	Further study of the localized solutions of the (2+1)-dimensional B-Kadomtsevâ€“Petviashvili equation. Communications in Nonlinear Science and Numerical Simulation, 2022, 107, 106131.	3.3	17
78	First integrals for a generalized coupled Laneâ€“Emden system. Nonlinear Analysis: Real World Applications, 2011, 12, 1202-1212.	1.7	16
79	Influence of a Partial Slip on Flows of a Second Grade Fluid in a Porous Medium. Journal of Porous Media, 2007, 10, 797-805.	1.9	16
80	On optimal system, exact solutions and conservation laws of the modified equal-width equation. Applied Mathematics and Nonlinear Sciences, 2018, 3, 409-418.	1.6	16
81	Solutions and conservation laws of a generalized second extended (3+1)-dimensional Jimbo-Miwa equation. Applied Mathematics and Nonlinear Sciences, 2018, 3, 459-474.	1.6	16
82	Exact solutions of second grade aligned MHD fluid with prescribed vorticity. Nonlinear Analysis: Real World Applications, 2009, 10, 2117-2126.	1.7	15
83	Solutions of Zakharov-Kuznetsov equation with power law nonlinearity in (1+3) dimensions. Physics of Wave Phenomena, 2011, 19, 148-154.	1.1	15
84	Exact Solutions for Stokesâ€™ Flow of a Non-Newtonian Nanofluid Model: A Lie Similarity Approach. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2016, 71, 621-630.	1.5	15
85	A New Type of Solitary Wave Solution of the mKdV Equation Under Singular Perturbations. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2020, 30, 2050162.	1.7	15
86	Conservation Laws and Travelling Wave Solutions for Double Dispersion Equations in (1+1) and (2+1) Dimensions. Symmetry, 2020, 12, 950.	2.2	15
87	Group classification of the generalized Emdenâ€“Fowler-type equation. Nonlinear Analysis: Real World Applications, 2009, 10, 3387-3395.	1.7	14
88	Solutions of Kadomtsev-Petviashvili equation with power law nonlinearity in 1+3 dimensions. Mathematical Methods in the Applied Sciences, 2011, 34, 532-543.	2.3	14
89	Exact solutions of equal-width equation and its conservation laws. Open Physics, 2019, 17, 505-511.	1.7	14
90	Closed-Form Solutions and Conserved Vectors of a Generalized (3+1)-Dimensional Breaking Soliton Equation of Engineering and Nonlinear Science. Mathematics, 2020, 8, 1692.	2.2	14

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91	Computational method based on Bernstein operational matrices for multi-order fractional differential equations. Filomat, 2014, 28, 591-601.	0.5	14
92	Exact solutions of two nonlinear partial differential equations by using the first integral method. Boundary Value Problems, 2013, 2013, .	0.7	13
93	Benjaminâ€“Bonaâ€“Mahony Equation with Variable Coefficients: Conservation Laws. Symmetry, 2014, 6, 1026-1036.	2.2	13
94	Conserved quantities and solutions of a (2+1)-dimensional H a Ë‡ r a Ë‡ gus-Courcelleâ€“Ilâ€™ichev model. Computers and Mathematics With Applications, 2016, 71, 1129-1136.	2.7	13
95	N-fold Darboux transformation and conservation laws of the modified Volterra lattice. Modern Physics Letters B, 2018, 32, 1850409.	1.9	13
96	Lie group analysis for MHD squeezing flow of viscous fluid saturated in porous media. AEJ - Alexandria Engineering Journal, 2019, 58, 1001-1010.	6.4	13
97	Conservation laws and associated symmetries for some classes of soil water motion equations. International Journal of Non-Linear Mechanics, 2001, 36, 1041-1045.	2.6	12
98	On the exact solutions of a modified Kortweg de Vries type equation and higher-order modified Boussinesq equation with damping term. Advances in Difference Equations, 2013, 2013, .	3.5	12
99	Conservation laws for a generalized coupled bidimensional Laneâ€“Emden system. Communications in Nonlinear Science and Numerical Simulation, 2013, 18, 851-857.	3.3	12
100	Lie Group Classification for a Generalised Coupled Lane-Emden System in Dimension One. East Asian Journal on Applied Mathematics, 2014, 4, 301-311.	0.9	12
101	A study of a generalized Benneyâ€“Luke equation with time-dependent coefficients. Nonlinear Dynamics, 2017, 90, 1535-1544.	5.2	12
102	Lie symmetries, group-invariant solutions and conservation laws of the Vasicek pricing equation of mathematical finance. Physica A: Statistical Mechanics and Its Applications, 2018, 505, 871-879.	2.6	12
103	Analytic solutions and conservation laws of a (2+1)-dimensional generalized Yuâ€“Todaâ€“Sasaâ€“Fukuyama equation. Chinese Journal of Physics, 2022, 77, 927-944.	3.9	12
104	Symmetries of boundary layer equations of power-law fluids of second grade. Acta Mechanica Sinica/Lixue Xuebao, 2008, 24, 661-670.	3.4	11
105	Exact solutions of KdV equation with time-dependent coefficients. Applied Mathematics and Computation, 2010, 216, 3114-3119.	2.2	11
106	Exact Solutions of Generalized Boussinesq-Burgers Equations and (2+1)-Dimensional Davey-Stewartson Equations. Journal of Applied Mathematics, 2012, 2012, 1-8.	0.9	11
107	Symmetry analysis and conservation laws for a coupled (2+1)-dimensional hyperbolic system. Communications in Nonlinear Science and Numerical Simulation, 2015, 22, 1252-1262.	3.3	11
108	Quasi-periodic wave solutions and two-wave solutions of the KdVâ€“Sawadaâ€“Koteraâ€“Ramani equation. Nonlinear Dynamics, 2017, 87, 1985-1993.	5.2	11

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109	Bifurcation Theory, Lie Group-Invariant Solutions of Subalgebras and Conservation Laws of a Generalized (2+1)-Dimensional BK Equation Type II in Plasma Physics and Fluid Mechanics. Mathematics, 2022, 10, 2391.	2.2	11
110	Conservation laws for equations related to soil water equations. Mathematical Problems in Engineering, 2005, 2005, 141-150.	1.1	10
111	Symmetry classification and invariant solutions of the variable coefficient BBM equation. Applied Mathematics and Computation, 2013, 219, 7917-7922.	2.2	10
112	Exact Solutions and Conservation Laws of a (2+1)-Dimensional Nonlinear KP-BBM Equation. Abstract and Applied Analysis, 2013, 2013, 1-5.	0.7	10
113	Conservation Laws for a Variable Coefficient Variant Boussinesq System. Abstract and Applied Analysis, 2014, 2014, 1-5.	0.7	10
114	Symmetry solutions and conservation laws of a (3+1)-dimensional generalized KP-Boussinesq equation in fluid mechanics. Chinese Journal of Physics, 2020, 68, 940-949.	3.9	10
115	Conserved quantities, optimal system and explicit solutions of a (1Â+Â1)-dimensional generalised coupled mKdV-type system. Journal of Advanced Research, 2021, 29, 159-166.	9.5	10
116	Marangoni forced convective Casson type nanofluid flow in the presence of Lorentz force generated by Riga plate. Discrete and Continuous Dynamical Systems - Series S, 2021, 14, 2517.	1.1	10
117	Soliton solutions, travelling wave solutions and conserved quantities for a three-dimensional soliton equation in plasma physics. Communications in Theoretical Physics, 2021, 73, 125003.	2.5	10
118	Approximate symmetries and solutions of the hyperbolic heat equation. Applied Mathematics and Computation, 2008, 205, 263-272.	2.2	9
119	Noether, Partial Noether Operators and First Integrals for the Coupled Lane-Emden System. Mathematical and Computational Applications, 2010, 15, 325-333.	1.3	9
120	On the solutions and conservation laws of a coupled KdV system. Applied Mathematics and Computation, 2012, 219, 959-969.	2.2	9
121	Classifying bilinear differential equations by linear superposition principle. International Journal of Modern Physics B, 2016, 30, 1640029.	2.0	9
122	Invariant approach to optimal investmentâ€“consumption problem: the constant elasticity of variance (CEV) model. Mathematical Methods in the Applied Sciences, 2017, 40, 1382-1395.	2.3	9
123	Exact Solutions and Conserved Vectors of the Two-Dimensional Generalized Shallow Water Wave Equation. Mathematics, 2021, 9, 1439.	2.2	9
124	Thermosoluted Marangoni convective flow towards a permeable Riga surface. Open Physics, 2020, 18, 535-544.	1.7	9
125	Numerical solution of fractional differential equations by using fractional B-spline. Open Physics, 2013, 11, .	1.7	8
126	Exact Solutions of the Symmetric Regularized Long Wave Equation and the Klein-Gordon-Zakharov Equations. Abstract and Applied Analysis, 2014, 2014, 1-7.	0.7	8

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127	Group analysis of a hyperbolic Laneâ€“Emden system. Applied Mathematics and Computation, 2017, 292, 156-164.	2.2	8
128	Exact solutions and conservation laws for the modified equal width-Burgers equation. Open Physics, 2018, 16, 795-800.	1.7	8
129	A study on the (2+1)â€“dimensional first extended Calogero-Bogoyavlenskii- Schiff equation. Mathematical Biosciences and Engineering, 2021, 18, 5816-5835.	1.9	8
130	PEAKON AND CUSPON SOLUTIONS OF A GENERALIZED CAMASSA-HOLM-NOVIKOV EQUATION. Journal of Applied Analysis and Computation, 2018, 8, 1938-1958.	0.5	8
131	Lie Group Classification of a Generalized Lane-Emden Type System in Two Dimensions. Journal of Applied Mathematics, 2012, 2012, 1-10.	0.9	7
132	Solutions and Conservation Laws of a (2+1)-Dimensional Boussinesq Equation. Abstract and Applied Analysis, 2013, 2013, 1-8.	0.7	7
133	Exact Explicit Solutions and Conservation Laws for a Coupled Zakharov-Kuznetsov System. Mathematical Problems in Engineering, 2013, 2013, 1-5.	1.1	7
134	On the solutions and conservation laws of the coupled Drinfeld-Sokolov-Satsuma-Hirota system. Boundary Value Problems, 2014, 2014, .	0.7	7
135	Group Classification of a General Bond-Option Pricing Equation of Mathematical Finance. Abstract and Applied Analysis, 2014, 2014, 1-10.	0.7	7
136	Exact solitary wave and quasi-periodic wave solutions of the KdV-Sawada-Kotera-Ramani equation. Advances in Difference Equations, 2015, 2015, .	3.5	7
137	Time-dependent flow model of a generalized Burgersâ€™ fluid with fractional derivatives through a cylindrical domain: An exact and numerical approach. Results in Physics, 2018, 9, 237-245.	4.1	7
138	Diversity of Interaction Solutions of a Shallow Water Wave Equation. Complexity, 2019, 2019, 1-6.	1.6	7
139	Variational approaches to conservation laws for a nonlinear evolution equation with time dependent coefficients. Quaestiones Mathematicae, 2011, 34, 235-245.	0.6	6
140	Lie symmetry analysis of the time-variable coefficient B-BBM equation. Advances in Difference Equations, 2012, 2012, .	3.5	6
141	Symmetries, Traveling Wave Solutions, and Conservation Laws of a<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="M1"><mml:mo stretchy="false">(</mml:mo><mml:mn>3</mml:mn><mml:mo>+</mml:mo><mml:mn>1</mml:mn><mml:mo) Tj ET Q q 1 1 0 0 784314 g Mathematical Physics, 2014, 2014, 1-8.	0.8	6
142	Exact Solutions and Conservation Laws of the Drinfelâ€™d-Sokolov-Wilson System. Abstract and Applied Analysis, 2014, 2014, 1-6.	0.7	6
143	A variational formulation approach to a generalized coupled inhomogeneous Emdenâ€“Fowler system. Applicable Analysis, 2014, 93, 466-474.	1.3	6
144	On the conservation laws and solutions of a (2+1) dimensional KdV-mKdV equation of mathematical physics. Open Physics, 2018, 16, 211-214.	1.7	6

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145	Closed-form solutions and conservation laws of a generalized Hirotaâ€“Satsuma coupled KdV system of fluid mechanics. Open Physics, 2021, 19, 18-25.	1.7	6
146	EXACT SOLITARY WAVE AND PERIODIC WAVE SOLUTIONS OF THE KAUP-KUPERSCHMIDT EQUATION. Journal of Applied Analysis and Computation, 2015, 5, 485-495.	0.5	6
147	Lie Group Classification of Generalized Variable Coefficient Korteweg-de Vries Equation with Dual Power-Law Nonlinearities with Linear Damping and Dispersion in Quantum Field Theory. Symmetry, 2022, 14, 83.	2.2	6
148	Solitons in Plasmas: AÂLie Symmetry Approach. International Journal of Theoretical Physics, 2009, 48, 3110-3113.	1.2	5
149	1-Soliton Solution of the Nonlinear SchrÃ¶dingerâ€™s Equation with Kerr Law Nonlinearity Using Lie Symmetry Analysis. International Journal of Theoretical Physics, 2009, 48, 1872-1876.	1.2	5
150	Soil water redistribution and extraction flow models: Conservation laws. Nonlinear Analysis: Real World Applications, 2009, 10, 2021-2025.	1.7	5
151	Lie group classification of the generalized Laneâ€“Emden equation. Applied Mathematics and Computation, 2009, 210, 405-410.	2.2	5
152	Emden-Fowler type system: noether symmetries and first integrals. Acta Mathematica Scientia, 2012, 32, 1959-1966.	1.0	5
153	Exact Solutions and Conservation Laws of a Two-Dimensional Integrable Generalization of the Kaup-Kupershmidt Equation. Journal of Applied Mathematics, 2013, 2013, 1-6.	0.9	5
154	New Exact Solutions for a Generalized Double Sinh-Gordon Equation. Abstract and Applied Analysis, 2013, 2013, 1-5.	0.7	5
155	Conservation Laws and Traveling Wave Solutions of a Generalized Nonlinear ZK-BBM Equation. Abstract and Applied Analysis, 2014, 2014, 1-5.	0.7	5
156	Algebraic aspects of evolution partial differential equation arising in the study of constant elasticity of variance model from financial mathematics. Open Physics, 2018, 16, 31-36.	1.7	5
157	Interaction solutions of the first BKP equation. Modern Physics Letters B, 2019, 33, 1950191.	1.9	5
158	Symmetry Methods and Conservation Laws for the Nonlinear Generalized 2D Equal-Width Partial Differential Equation of Engineering. Mathematics, 2022, 10, 24.	2.2	5
159	Effect of magnetic field on the flow of a fourth order fluid. Nonlinear Analysis: Real World Applications, 2009, 10, 3413-3419.	1.7	4
160	A study of Langmuir waves in plasmas. Communications in Nonlinear Science and Numerical Simulation, 2010, 15, 2245-2248.	3.3	4
161	OPTICAL SOLITONS WITH DUAL-POWER LAW NONLINEARITY USING LIE SYMMETRIES. Modern Physics Letters B, 2010, 24, 1833-1838.	1.9	4
162	A Comparison between Adomianâ€™s Polynomials and Heâ€™s Polynomials for Nonlinear Functional Equations. Mathematical Problems in Engineering, 2013, 2013, 1-4.	1.1	4

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163	Symmetry Reductions, Exact Solutions, and Conservation Laws of a Modified Hunter-Saxton Equation. Abstract and Applied Analysis, 2013, 2013, 1-5.	0.7	4
164	Group Classification of a Generalized Lane-Emden System. Journal of Applied Mathematics, 2013, 2013, 1-12.	0.9	4
165	Nonlinearly Self-Adjoint, Conservation Laws and Solutions for a Forced BBM Equation. Abstract and Applied Analysis, 2014, 2014, 1-5.	0.7	4
166	Solutions of Two Nonlinear Evolution Equations Using Lie Symmetry and Simplest Equation Methods. Mediterranean Journal of Mathematics, 2014, 11, 487-496.	0.8	4
167	Lie Symmetry Reductions and Exact Solutions of an Option-Pricing Equation for Large Agents. Mediterranean Journal of Mathematics, 2016, 13, 1753-1763.	0.8	4
168	Integrability analysis of the partial differential equation describing the classical bond-pricing model of mathematical finance. Open Physics, 2018, 16, 766-779.	1.7	4
169	Group Invariant Solutions and Conserved Quantities of a (3+1)-Dimensional Generalized Kadomtsevâ€“Petviashvili Equation. Mathematics, 2020, 8, 1012.	2.2	4
170	Stability analysis, symmetry solutions and conserved currents of a two-dimensional extended shallow water wave equation of fluid mechanics. Partial Differential Equations in Applied Mathematics, 2021, 4, 100134.	2.4	4
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