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	Closed-form solutions and conserved quantities of a new integrable (2 + 1)-dimensional Boussinesq equation of nonlinear sciences. International Journal of Nonlinear Sciences and Numerical Simulation, 2023, 24, 2801-2821.	1.0	3
2	Langrangian formulation and solitary wave solutions of a generalized Zakharov–Kuznetsov equation with dual power-law nonlinearity in physical sciences and engineering. Journal of Ocean Engineering and Science, 2023, 8, 152-168.	4.3	3
3	Analytic solutions and conservation laws of a (2+1)-dimensional generalized Yu–Toda–Sasa–Fukuyama equation. Chinese Journal of Physics, 2022, 77, 927-944.	3.9	12
4	A study of the generalized nonlinear advection-diffusion equation arising in engineering sciences. AEJ - Alexandria Engineering Journal, 2022, 61, 185-194.	6.4	20
5	Further study of the localized solutions of the (2+1)-dimensional B-Kadomtsev–Petviashvili equation. Communications in Nonlinear Science and Numerical Simulation, 2022, 107, 106131.	3.3	17
6	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
7	Symmetry Methods and Conservation Laws for the Nonlinear Generalized 2D Equal-Width Partial Differential Equation of Engineering. Mathematics, 2022, 10, 24.	2.2	5
8	Symmetry solutions and conservation laws of a new generalized 2D Bogoyavlensky-Konopelchenko equation of plasma physics. AIMS Mathematics, 2022, 7, 9767-9788.	1.6	3
9	Kink solutions of two generalized fifth-order nonlinear evolution equations. Modern Physics Letters B, 2022, 36, .	1.9	1
10	Conservation laws and solutions for a nonlinear deformed equation with variable coefficients. Partial Differential Equations in Applied Mathematics, 2022, 5, 100380.	2.4	0
11	First integrals, solutions and conservation laws of the derivative nonlinear Schrödinger equation. Partial Differential Equations in Applied Mathematics, 2022, 5, 100382.	2.4	2
12	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
13	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
14	Conserved quantities, optimal system and explicit solutions of a (1+1)-dimensional generalised coupled mKdV-type system. Journal of Advanced Research, 2021, 29, 159-166.	9.5	10
15	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
16	Heat transfer effects on electro-magnetohydrodynamic Carreau fluid flow between two micro-parallel plates with Darcy–Brinkman–Forchheimer medium. Archive of Applied Mechanics, 2021, 91, 1683-1695.	2.2	41
17	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
18	Closed-form solutions and conservation laws of a generalized Hirota–Satsuma coupled KdV system of fluid mechanics. Open Physics, 2021, 19, 18-25.	1.7	6

#	Article	IF	Citations
19	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
20	Localized interaction solution and its dynamics of the extended Hirotaâ€"Satsumaâ€"Ito equation. Modern Physics Letters B, 2021, 35, 2150313.	1.9	2
21	On the solutions and conserved vectors for the two-dimensional second extended Calogero-Bogoyavlenskii-Schiff equation. Results in Physics, 2021, 25, 104194.	4.1	3
22	Conservation laws, classical symmetries and exact solutions of a (1 + 1)-dimensional fifth-order integrable equation. International Journal of Geometric Methods in Modern Physics, 2021, 18, 2150137.	2.0	2
23	Localized solutions of (5+1)-dimensional evolution equations. Nonlinear Dynamics, 2021, 104, 4317-4327.	5.2	17
24	Exact Solutions and Conserved Vectors of the Two-Dimensional Generalized Shallow Water Wave Equation. Mathematics, 2021, 9, 1439.	2.2	9
25	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
26	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
27	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
28	On the solutions and conservation laws of the Yuâ€"Todaâ€"Sasaâ€"Fukuyama equation of plasma physics. Results in Physics, 2021, 29, 104706.	4.1	3
29	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
30	Symmetry Solutions and Conservation Laws for the 3D Generalized Potential Yu-Toda-Sasa-Fukuyama Equation of Mathematical Physics. Symmetry, 2021, 13, 2058.	2.2	2
31	On the solutions and conservation laws of the 2D breaking soliton equation of fluid mechanics. Partial Differential Equations in Applied Mathematics, 2021, 4, 100198.	2.4	1
32	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
33	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
34	Lagrangian formulation of a generalised coupled hyperbolic system. Journal of King Saud University - Science, 2020, 32, 2886-2891.	3.5	1
35	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
36	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

#	Article	IF	Citations
37	Lie group analysis of upper convected Maxwell fluid flow along stretching surface. AEJ - Alexandria Engineering Journal, 2020, 59, 2533-2541.	6.4	36
38	Determining lump solutions for a combined soliton equation in (2+1)-dimensions. European Physical Journal Plus, 2020, 135, 1.	2.6	88
39	A symbolic computational approach to finding solutions and conservation laws for (3Â+Â1)-dimensional modified BBM models. AEJ - Alexandria Engineering Journal, 2020, 59, 1799-1809.	6.4	3
40	Significance of Thermal Slip and Convective Boundary Conditions in Three Dimensional Rotating Darcy-Forchheimer Nanofluid Flow. Symmetry, 2020, 12, 741.	2.2	79
41	Group Invariant Solutions and Conserved Quantities of a (3+1)-Dimensional Generalized Kadomtsevâ€"Petviashvili Equation. Mathematics, 2020, 8, 1012.	2.2	4
42	Conservation Laws and Travelling Wave Solutions for Double Dispersion Equations in (1+1) and (2+1) Dimensions. Symmetry, 2020, 12, 950.	2.2	15
43	Coupled Burgers equations governing polydispersive sedimentation; a Lie symmetry approach. Results in Physics, 2020, 16, 102967.	4.1	20
44	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
45	Second Grade Bioconvective Nanofluid Flow with Buoyancy Effect and Chemical Reaction. Symmetry, 2020, 12, 621.	2.2	81
46	Thermosoluted Marangoni convective flow towards a permeable Riga surface. Open Physics, 2020, 18, 535-544.	1.7	9
47	An optimal system of group-invariant solutions and conserved quantities of a nonlinear fifth-order integrable equation. Open Physics, 2020, 18, 829-841.	1.7	1
48	VI Mini Symposium on Symmetry Methods and Their Applications to Differential Equations. AIP Conference Proceedings, 2020, , .	0.4	0
49	A study of two-dimensional Zakharov-Kuznetsov-Burgers equation. AIP Conference Proceedings, 2019, , .	0.4	0
50	V Mini Symposium on Symmetry Methods and their Applications to Differential Equations. AIP Conference Proceedings, 2019, , .	0.4	0
51	Plane Wave Reflection in a Compressible Half Space with Initial Stress. Open Physics, 2019, 17, 438-448.	1.7	1
52	Conservation laws for a (3 + 1)-dimensional extended Zakharov-Kuznetsov equation. AIP Conference Proceedings, 2019, , .	0.4	3
53	Lagrangian formulation of the Calogero-Bogoyavlenskii-Schiff equation. AIP Conference Proceedings, 2019, , .	0.4	1
54	Conserved vectors for a double dispersion equation. AIP Conference Proceedings, 2019, , .	0.4	1

#	Article	IF	Citations
55	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
56	Interaction solutions of the first BKP equation. Modern Physics Letters B, 2019, 33, 1950191.	1.9	5
57	Magnetohydrodynamic Darcy–Forchheimer nanofluid flow over a nonlinear stretching sheet. Physica Scripta, 2019, 94, 105221.	2.5	90
58	A (3+1)-dimensional generalized BKP-Boussinesq equation: Lie group approach. Results in Physics, 2019, 13, 102239.	4.1	32
59	Dynamics of lump solitary wave of Kadomtsev–Petviashvili–Boussinesq-like equation. Computers and Mathematics With Applications, 2019, 78, 840-847.	2.7	23
60	Exact solutions of equal-width equation and its conservation laws. Open Physics, 2019, 17, 505-511.	1.7	14
61	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
62	Diversity of Interaction Solutions of a Shallow Water Wave Equation. Complexity, 2019, 2019, 1-6.	1.6	7
63	First Integrals of Two-Dimensional Dynamical Systems via Complex Lagrangian Approach. Symmetry, 2019, 11, 1244.	2.2	1
64	Multiple-soliton solutions and lumps of a (3+1)-dimensional generalized KP equation. Nonlinear Dynamics, 2019, 95, 1687-1692.	5.2	30
65	Integrability analysis of the partial differential equation describing the classical bond-pricing model of mathematical finance. Open Physics, 2019, 17, 808-808.	1.7	1
66	A Study of an Extended Generalized (2+1)-dimensional Jaulent–Miodek Equation. International Journal of Nonlinear Sciences and Numerical Simulation, 2018, 19, 391-395.	1.0	23
67	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
68	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
69	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
70	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
71	Exact solutions and conservation laws for the modified equal width-Burgers equation. Open Physics, 2018, 16, 795-800.	1.7	8
72	N-fold Darboux transformation and conservation laws of the modified Volterra lattice. Modern Physics Letters B, 2018, 32, 1850409.	1.9	13

#	Article	IF	Citations
73	A Study on Lump Solutions to a Generalized Hirota-Satsuma-Ito Equation in (2+1)-Dimensions. Complexity, 2018, 2018, 1-7.	1.6	49
74	IV Mini Symposium on Symmetry Methods and Applications for Differential Equations. AIP Conference Proceedings, 2018, , .	0.4	0
75	Exact solutions and conservation laws for a coupled Benjamin-Bona-Mahony equations. AIP Conference Proceedings, 2018, , .	0.4	0
76	A study of the Bona-Smith system describing the two-way propagation of water waves in a channel. AIP Conference Proceedings, 2018, , .	0.4	0
77	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
78	Conservation laws and solutions for a (2 + 1)-dimensional generalized breaking soliton system. AIP Conference Proceedings, 2018, , .	0.4	1
79	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
80	Cnoidal and snoidal waves and conservation laws for physical space-time $(3\bar{\in}+\bar{\in}1)$-dimensional modified KdV models. Results in Physics, 2018, 10, 975-979.	4.1	1
81	Exact solutions of the Rosenau–Hyman equation, coupled KdV system and Burgers–Huxley equation using modified transformed rational function method. Modern Physics Letters B, 2018, 32, 1850282.	1.9	21
82	Time-dependent flow model of a generalized Burgers' fluid with fractional derivatives through a cylindrical domain: An exact and numerical approach. Results in Physics, 2018, 9, 237-245.	4.1	7
83	Cnoidal and Snoidal Waves Solutions and Conservation Laws of a Generalized (2+1)-Dimensional KdV Equation. , 2018, , .		3
84	PEAKON AND CUSPON SOLUTIONS OF A GENERALIZED CAMASSA-HOLM-NOVIKOV EQUATION. Journal of Applied Analysis and Computation, 2018, 8, 1938-1958.	0.5	8
85	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
86	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
87	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
88	Conditional symmetries of nonlinear third-order ordinary differential equations. Discrete and Continuous Dynamical Systems - Series S, 2018, 11, 655-666.	1.1	3
89	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
90	Explicit Solutions and Conservation Laws of a (2+1)-dimensional KP-Joseph-Egri Equation with Power Law Nonlinearity. Journal of Applied Nonlinear Dynamics, 2018, 7, 1-9.	0.3	3

#	Article	IF	Citations
91	Travelling wave solutions and conservation laws of a generalized (2+1)-dimensional Burgers-Kadomtsev-Petviashvili equation. AIP Conference Proceedings, 2017, , .	0.4	1
92	A study of a generalized Benney–Luke equation with time-dependent coefficients. Nonlinear Dynamics, 2017, 90, 1535-1544.	5.2	12
93	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
94	Solutions and conservation laws for a Kaup-Boussinesq system. AIP Conference Proceedings, 2017, , .	0.4	0
95	Preface of the "III Minisymposium on Symmetry Methods and Applications for Differential Equations". AIP Conference Proceedings, 2017, , .	0.4	0
96	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
97	Invariant approach to optimal investment–consumption problem: the constant elasticity of variance (CEV) model. Mathematical Methods in the Applied Sciences, 2017, 40, 1382-1395.	2.3	9
98	Quasi-periodic wave solutions and two-wave solutions of the KdV–Sawada–Kotera–Ramani equation. Nonlinear Dynamics, 2017, 87, 1985-1993.	5.2	11
99	Group analysis of a hyperbolic Lane–Emden system. Applied Mathematics and Computation, 2017, 292, 156-164.	2.2	8
100	Symmetry Analysis and Conservation Laws of the Zoomeron Equation. Symmetry, 2017, 9, 27.	2.2	32
101	A Review of Mixture Theory for Deformable Porous Media and Applications. Applied Sciences (Switzerland), 2017, 7, 917.	2.5	28
102	Recent Advances in Symmetry Analysis and Exact Solutions in Nonlinear Mathematical Physics. Advances in Mathematical Physics, 2017, 2017, 1-2.	0.8	0
103	Double Diffusion Effects on Magnetohydrodynamic Non-Newtonian Fluid Nanoparticles. Journal of Computational and Theoretical Nanoscience, 2017, 14, 694-703.	0.4	4
104	SUB-MANIFOLD AND TRAVELING WAVE SOLUTIONS OF ITO'S 5TH-ORDER MKDV EQUATION. Journal of Applied Analysis and Computation, 2017, 7, 1417-1430.	0.5	2
105	Travelling wave solutions of a coupled Korteweg-de Vries-Burgers system. AIP Conference Proceedings, 2016, , .	0.4	0
106	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
107	Exact Solutions for Stokes' 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
108	Symbolic computation of conservation laws and exact solutions of a coupled variable-coefficient modified Korteweg–de Vries system. Computational Mathematics and Mathematical Physics, 2016, 56, 650-660.	0.8	3

#	Article	IF	Citations
109	Noether symmetries and exact solutions of an Euler–Bernoulli beam model. International Journal of Modern Physics B, 2016, 30, 1640011.	2.0	3
110	Direct approach to a group classification problem: Fisher equation with time-dependent coefficients. International Journal of Modern Physics B, 2016, 30, 1640021.	2.0	0
111	A short remark on the integrability of a nonlinear reaction–diffusion equation arising in mathematical biology: Compatibility analysis. Results in Physics, 2016, 6, 549-550.	4.1	1
112	Classifying bilinear differential equations by linear superposition principle. International Journal of Modern Physics B, 2016, 30, 1640029.	2.0	9
113	Conservation laws of coupled semilinear wave equations. International Journal of Modern Physics B, 2016, 30, 1640004.	2.0	18
114	Global stability and Hopf bifurcation of a delayed computer virus propagation model with saturation incidence rate and temporary immunity. International Journal of Modern Physics B, 2016, 30, 1640009.	2.0	2
115	Exact solutions and conservation laws for a generalized improved Boussinesq equation. AIP Conference Proceedings, 2016, , .	0.4	0
116	Unsteady magnetohydrodynamic flow of a fourth grade fluid caused by an impulsively moving plate in a Darcy porous medium ßž A group-theoretical analysis. International Journal of Modern Physics B, 2016, 30, 1640007.	2.0	1
117	Lie symmetry analysis, conservation laws and exact solutions of the seventh-order time fractional Sawada–Kotera–Ito equation. Results in Physics, 2016, 6, 322-328.	4.1	59
118	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
119	Rational solutions to an extended Kadomtsev-Petviashvili-like equation with symbolic computation. Computers and Mathematics With Applications, 2016, 71, 1560-1567.	2.7	120
120	Conserved quantities and solutions of a (2+1)-dimensional H a Ë‡ r a Ë‡ gus-Courcelle–Il’ichev model. Computers and Mathematics With Applications, 2016, 71, 1129-1136.	2.7	13
121	A note on rational solutions to a Hirota-Satsuma-like equation. Applied Mathematics Letters, 2016, 58, 13-18.	2.7	128
122	Exact Solutions and Conservation Laws for a Generalized Double Combined sinh–cosh–Gordon Equation. Mediterranean Journal of Mathematics, 2016, 13, 3221-3233.	0.8	3
123	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
124	Solitary waves with the Madelung fluid description: A generalized derivative nonlinear Schrödinger equation. Communications in Nonlinear Science and Numerical Simulation, 2016, 31, 40-46.	3.3	130
125	Conservation Laws and Exact Solutions of a Generalized Zakharov–Kuznetsov Equation. Symmetry, 2015, 7, 949-961.	2.2	18
126	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

#	Article	IF	Citations
127	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
128	Exact Solitary Wave and Periodic Wave Solutions of a Class of Higher-Order Nonlinear Wave Equations. Mathematical Problems in Engineering, 2015, 2015, 1-8.	1.1	1
129	A direct bilinear Bäcklund transformation of a (2+1)-dimensional Korteweg–de Vries-like model. Applied Mathematics Letters, 2015, 50, 37-42.	2.7	86
130	Exact solitary wave and quasi-periodic wave solutions of the KdV-Sawada-Kotera-Ramani equation. Advances in Difference Equations, 2015, 2015, .	3.5	7
131	Envelope bright- and dark-soliton solutions for the Gerdjikov–Ivanov model. Nonlinear Dynamics, 2015, 82, 1211-1220.	5.2	116
132	Preface of the "II mini symposium on symmetry methods and applications for differential equations". AIP Conference Proceedings, 2015, , .	0.4	0
133	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
134	Conservation Laws for a Generalized Coupled Boussinesq System of KdV–KdV Type. Springer Proceedings in Mathematics and Statistics, 2015, , 315-321.	0.2	0
135	Exact Solutions of a Coupled Boussinesq Equation. Springer Proceedings in Mathematics and Statistics, 2015, , 323-327.	0.2	0
136	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
137	Exact Solutions and Conservation Laws of the Joseph-Egri Equation with Power Law Nonlinearity. Springer Proceedings in Mathematics and Statistics, 2015, , 1-6.	0.2	2
138	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
139	Symmetries, Traveling Wave Solutions, and Conservation Laws of a $(3+1)$ Tj ETQq1 0.784314 Mathematical Physics, 2014, 2014, 1-8.	0.7	7
140	On the solutions and conservation laws of the coupled Drinfeld-Sokolov-Satsuma-Hirota system. Boundary Value Problems, 2014, 2014, .	0.7	7
141	Stability and Hopf Bifurcation Analysis on a Bazykin Model with Delay. Abstract and Applied Analysis, 2014, 2014, 1-7.	0.7	3
142	Nonlinearly Self-Adjoint, Conservation Laws and Solutions for a Forced BBM Equation. Abstract and Applied Analysis, 2014, 2014, 1-5.	0.7	4
143	Exact and Approximate Solutions for Nonlinear PDEs. Abstract and Applied Analysis, 2014, 2014, 1-2.	0.7	0
144	Conservation Laws for a Variable Coefficient Variant Boussinesq System. Abstract and Applied Analysis, 2014, 2014, 1-5.	0.7	10

#	Article	IF	Citations
145	Study of Integrability and Exact Solutions for Nonlinear Evolution Equations. Abstract and Applied Analysis, 2014, 2014, 1-3.	0.7	0
146	Group Classification of a General Bond-Option Pricing Equation of Mathematical Finance. Abstract and Applied Analysis, 2014, 2014, 1-10.	0.7	7
147	Recent Advances on Methods and Applications of Nonlinear Differential Equations. Mathematical Problems in Engineering, 2014, 2014, 1-1.	1.1	0
148	Conservation Laws and Traveling Wave Solutions of a Generalized Nonlinear ZK-BBM Equation. Abstract and Applied Analysis, 2014, 2014, 1-5.	0.7	5
149	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
150	Existence of Wave Front Solutions of an Integral Differential Equation in Nonlinear Nonlocal Neuronal Network. Abstract and Applied Analysis, 2014, 2014, 1-9.	0.7	3
151	Exact Solutions and Conservation Laws of the Drinfelâ€™d-Sokolov-Wilson System. Abstract and Applied Analysis, 2014, 2014, 1-6.	0.7	6
152	Traveling Wave Solutions and Infinite-Dimensional Linear Spaces of Multiwave Solutions to Jimbo-Miwa Equation. Abstract and Applied Analysis, 2014, 2014, 1-7.	0.7	2
153	Benjaminâ€"Bonaâ€"Mahony Equation with Variable Coefficients: Conservation Laws. Symmetry, 2014, 6, 1026-1036.	2.2	13
154	A variational formulation approach to a generalized coupled inhomogeneous Emdenâ€"Fowler system. Applicable Analysis, 2014, 93, 466-474.	1.3	6
155	Solutions of Two Nonlinear Evolution Equations Using Lie Symmetry and Simplest Equation Methods. Mediterranean Journal of Mathematics, 2014, 11, 487-496.	0.8	4
156	Solutions of a Generalized Complexly Coupled Korteweg-de Vries System Using Simplest Equation Method. , 2014, , .		0
157	EXTRACTION OF MOLASSES FROM SUGAR CRYSTALS IN A CENTRIFUGE. Mathematical Modelling and Analysis, 2014, 19, 347-358.	1.5	3
158	Combined sinh-cosh-Gordon equation: Symmetry reductions, exact solutions and conservation laws. Quaestiones Mathematicae, 2014, 37, 199-214.	0.6	17
159	Recent Development in Partial Differential Equations and Their Applications. Scientific World Journal, The, 2014, 2014, 1-1.	2.1	1
160	Group Analysis of a Generalized KdV Equation. Applied Mathematics and Information Sciences, 2014, 8, 2845-2848.	0.5	4
161	Computational method based on Bernstein operational matrices for multi-order fractional differential equations. Filomat, 2014, 28, 591-601.	0.5	14
162	On the solutions and conservation laws for the Sharma-Tasso-Olver equation. ScienceAsia, 2014, 40, 451.	0.5	4

#	Article	IF	Citations
163	Exact solutions of two nonlinear partial differential equations by using the first integral method. Boundary Value Problems, 2013, 2013, .	0.7	13
164	On the solutions and conservation laws of the (1 + 1) -dimensional higher-order Broer-Kaup system. Boundary Value Problems, 2013, 2013, .	0.7	3
165	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
166	Numerical solution of fractional differential equations by using fractional B-spline. Open Physics, 2013, 11, .	1.7	8
167	Comments on â€œHe's Homotopy Perturbation Method for Calculating Adomian Polynomialsâ€. International Journal of Nonlinear Sciences and Numerical Simulation, 2013, 14, 339-343.	1.0	2
168	Exact solutions and conservation laws of a (3 + 1) -dimensional B-type Kadomtsev-Petviashvili equation. Advances in Difference Equations, 2013, 2013, .	3.5	25
169	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
170	Symmetry classification and invariant solutions of the variable coefficient BBM equation. Applied Mathematics and Computation, 2013, 219, 7917-7922.	2.2	10
171	New exact solutions and conservation laws of a coupled Kadomtsevâ€"Petviashvili system. Computers and Fluids, 2013, 81, 10-16.	2.5	43
172	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
173	A new approach for solving a system of fractional partial differential equations. Computers and Mathematics With Applications, 2013, 66, 838-843.	2.7	114
174	Dark solitons of the Biswasâ€"Milovic equation by the first integral method. Optik, 2013, 124, 3929-3932.	2.9	39
175	Conservation laws for a generalized coupled bidimensional Laneâ€"Emden system. Communications in Nonlinear Science and Numerical Simulation, 2013, 18, 851-857.	3.3	12
176	Solutions and Conservation Laws of a (2+1)-Dimensional Boussinesq Equation. Abstract and Applied Analysis, 2013, 2013, 1-8.	0.7	7
177	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
178	On the Solutions and Conservation Laws of a Coupled Kadomtsev-Petviashvili Equation. Journal of Applied Mathematics, 2013, 2013, 1-7.	0.9	20
179	New Exact Solutions for a Generalized Double Sinh-Gordon Equation. Abstract and Applied Analysis, 2013, 2013, 1-5.	0.7	5
180	Conservation Laws for a Generalized Coupled Korteweg-de Vries System. Mathematical Problems in Engineering, 2013, 2013, 1-5.	1.1	0

#	Article	IF	Citations
181	A Comparison between Adomian's Polynomials and He's Polynomials for Nonlinear Functional Equations. Mathematical Problems in Engineering, 2013, 2013, 1-4.	1.1	4
182	Exact Explicit Solutions and Conservation Laws for a Coupled Zakharov-Kuznetsov System. Mathematical Problems in Engineering, 2013, 2013, 1-5.	1.1	7
183	Symmetry Methods of Flow and Heat Transfer between Slowly Expanding or Contracting Walls. Mathematical Problems in Engineering, 2013, 2013, 1-10.	1.1	2
184	A Variational Approach to an Inhomogeneous Second-Order Ordinary Differential System. Abstract and Applied Analysis, 2013, 2013, 1-4.	0.7	1
185	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
186	Symmetry Reductions, Exact Solutions, and Conservation Laws of a Modified Hunter-Saxton Equation. Abstract and Applied Analysis, 2013, 2013, 1-5.	0.7	4
187	Lie Group Analysis of a Forced KdV Equation. Mathematical Problems in Engineering, 2013, 2013, 1-4.	1.1	3
188	Application of Lie Symmetry Analysis and Simplest Equation Method for Finding Exact Solutions of Boussinesq Equations. Mathematical Problems in Engineering, 2013, 2013, 1-4.	1.1	2
189	Group Classification of a Generalized Lane-Emden System. Journal of Applied Mathematics, 2013, 2013, 1-12.	0.9	4
190	Prandtl's Boundary Layer Equation for Two-Dimensional Flow: Exact Solutions via the Simplest Equation Method. Mathematical Problems in Engineering, 2013, 2013, 1-5.	1.1	3
191	Exact Solutions of ϕ·4 Equation Using Lie Symmetry Approach along with the Simplest Equation and Exp-Function Methods. Abstract and Applied Analysis, 2012, 2012, 1-7.	0.7	3
192	Exact Travelling Wave Solutions for Isothermal Magnetostatic Atmospheres by Fan Subequation Method. Abstract and Applied Analysis, 2012, 2012, 1-11.	0.7	3
193	Lie and Riccati Linearization of a Class of Liénard Type Equations. Journal of Applied Mathematics, 2012, 2012, 1-8.	0.9	2
194	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
195	Lie Group Classification of a Generalized Lane-Emden Type System in Two Dimensions. Journal of Applied Mathematics, 2012, 2012, 1-10.	0.9	7
196	Travelling wave solutions of nonlinear evolution equations using the simplest equation method. Computers and Mathematics With Applications, 2012, 64, 2084-2088.	2.7	30
197	On the solutions and conservation laws of a coupled KdV system. Applied Mathematics and Computation, 2012, 219, 959-969.	2.2	9
198	Emden-Fowler type system: noether symmetries and first integrals. Acta Mathematica Scientia, 2012, 32, 1959-1966.	1.0	5

#	Article	IF	Citations
199	Exact solutions and conservation laws of a coupled integrable dispersionless system. Filomat, 2012, 26, 957-964.	0.5	55
200	Conservation laws for a generalized Ito-type coupled KdV system. Boundary Value Problems, 2012, 2012, 150.	0.7	3
201	Lie symmetry analysis of the time-variable coefficient B-BBM equation. Advances in Difference Equations, 2012, 2012, .	3.5	6
202	MHD COUETTE FLOWS OF SECOND GRADE FLUID IN A POROUS SPACE. Journal of Porous Media, 2012, 15, 697-704.	1.9	0
203	Symmetry Reductions and Exact Solutions of a Variable Coefficient (2+1)-Zakharov-Kuznetsov Equation. Mathematical and Computational Applications, 2012, 17, 132-139.	1.3	3
204	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
205	Group classification and exact solutions of a generalized Emden–Fowler equation. International Journal of Non-Linear Mechanics, 2012, 47, 785-791.	2.6	0
206	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
207	Lie point symmetries, partial Noether operators and first integrals of the Painlevé–Gambier equations. Nonlinear Analysis: Theory, Methods & Applications, 2012, 75, 30-36.	1.1	3
208	Exact solutions and conservation laws of Zakharov–Kuznetsov modified equal width equation with power law nonlinearity. Nonlinear Analysis: Real World Applications, 2012, 13, 1692-1702.	1.7	55
209	Solutions of Zakharov-Kuznetsov equation with power law nonlinearity in (1+3) dimensions. Physics of Wave Phenomena, 2011, 19, 148-154.	1.1	15
210	Stationary solutions for nonlinear dispersive Schrödinger's equation. Nonlinear Dynamics, 2011, 63, 623-626.	5.2	130
211	Application of Legendre wavelets for solving fractional differential equations. Computers and Mathematics With Applications, 2011, 62, 1038-1045.	2.7	149
212	Conservation laws of KdV equation with time dependent coefficients. Communications in Nonlinear Science and Numerical Simulation, 2011, 16, 3081-3089.	3.3	21
213	Exact solutions of the generalized Lane–Emden equations of the first and second kind. Pramana - Journal of Physics, 2011, 77, 545-554.	1.8	36
214	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
215	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
216	Stationary solutions for the Biswas–Milovic equation. Applied Mathematics and Computation, 2011, 217, 7400-7404.	2.2	20

#	Article	IF	Citations
217	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
218	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
219	First integrals for a generalized coupled Laneâ€"Emden system. Nonlinear Analysis: Real World Applications, 2011, 12, 1202-1212.	1.7	16
220	Variational approaches to conservation laws for a nonlinear evolution equation with time dependent coefficients. Quaestiones Mathematicae, 2011, 34, 235-245.	0.6	6
221	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
222	Stationary Optical Solitons with Kerr and Power Law Nonlinearity in 1+2 Dimensions. Advanced Science Letters, 2011, 4, 3676-3677.	0.2	1
223	New Exact-analytical Solutions For The Mkdv Equation. Journal of Mathematics and Computer Science, 2011, 02, 413-416.	1.0	2
224	Exact solutions of KdV equation with time-dependent coefficients. Applied Mathematics and Computation, 2010, 216, 3114-3119.	2.2	11
225	Group analysis of KdV equation with time dependent coefficients. Applied Mathematics and Computation, 2010, 216, 3761-3771.	2.2	30
226	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
227	A study of Langmuir waves in plasmas. Communications in Nonlinear Science and Numerical Simulation, 2010, 15, 2245-2248.	3.3	4
228	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
229	Analysis of non-linear Kleinâ€"Gordon equations using Lie symmetry. Applied Mathematics Letters, 2010, 23, 1397-1400.	2.7	19
230	Two-Dimensional Flow in a Deformable Channel with Porous Medium and Variable Magnetic Field. Mathematical and Computational Applications, 2010, 15, 674-684.	1.3	0
231	Noether, Partial Noether Operators and First Integrals for the Coupled Lane-Emden System. Mathematical and Computational Applications, 2010, 15, 325-333.	1.3	9
232	Numerical Solution of Non-linear Riccati Differential Equations with Fractional Order. International Journal of Nonlinear Sciences and Numerical Simulation, 2010, 11, .	1.0	2
233	OPTICAL SOLITONS WITH DUAL-POWER LAW NONLINEARITY USING LIE SYMMETRIES. Modern Physics Letters B, 2010, 24, 1833-1838.	1.9	4
234	Explicit Solution Processes for Nonlinear Jump-Diffusion Equations. Journal of Nonlinear Mathematical Physics, 2010, 17, 281.	1.3	0

#	Article	IF	Citations
235	COUETTE FLOW OF AN OLDROYD-B FLUID WITH SLIP CONDITION. Journal of Porous Media, 2010, 13, 999-1006.	1.9	2
236	A Lie symmetry approach to nonlinear Schrödinger's equation with non-Kerr law nonlinearity. Communications in Nonlinear Science and Numerical Simulation, 2009, 14, 4033-4040.	3.3	105
237	Exact solutions of second grade aligned MHD fluid with prescribed vorticity. Nonlinear Analysis: Real World Applications, 2009, 10, 2117-2126.	1.7	15
238	Solitons in Plasmas: A Lie Symmetry Approach. International Journal of Theoretical Physics, 2009, 48, 3110-3113.	1.2	5
239	1-Soliton Solution of the Nonlinear Schrödinger's Equation with Kerr Law Nonlinearity Using Lie Symmetry Analysis. International Journal of Theoretical Physics, 2009, 48, 1872-1876.	1.2	5
240	Soil water redistribution and extraction flow models: Conservation laws. Nonlinear Analysis: Real World Applications, 2009, 10, 2021-2025.	1.7	5
241	Group classification of the generalized Emden–Fowler-type equation. Nonlinear Analysis: Real World Applications, 2009, 10, 3387-3395.	1.7	14
242	Effect of magnetic field on the flow of a fourth order fluid. Nonlinear Analysis: Real World Applications, 2009, 10, 3413-3419.	1.7	4
243	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
244	Lie group classification of the generalized Lane–Emden equation. Applied Mathematics and Computation, 2009, 210, 405-410.	2.2	5
245	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
246	Symmetries of boundary layer equations of power-law fluids of second grade. Acta Mechanica Sinica/Lixue Xuebao, 2008, 24, 661-670.	3.4	11
247	Approximate symmetries and solutions of the hyperbolic heat equation. Applied Mathematics and Computation, 2008, 205, 263-272.	2.2	9
248	Exact solutions of the Lane–Emden-type equation. New Astronomy, 2008, 13, 476-480.	1.8	32
249	Lagrangian formulation of a generalized Lane-Emden equation and double reduction. Journal of Nonlinear Mathematical Physics, 2008, 15, 152.	1.3	53
250	Exact Time Dependent Solutions to (1+1) Fokker-Planck Equation via Linearizing Transformations to the Ito Equations. Journal of Nonlinear Mathematical Physics, 2008, 15, 211.	1.3	0
251	Approximate First Integrals of a Chaotic Hamiltonian System. Quaestiones Mathematicae, 2007, 30, 483-497.	0.6	3
252	Linearization of one-dimensional nonautonomous jump-diffusion stochastic differential equations. Journal of Nonlinear Mathematical Physics, 2007, 14, 430.	1.3	2

#	Article	IF	Citations
253	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
254	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
255	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
256	Approximate transformations for van der Pol-type equations. Mathematical Problems in Engineering, 2006, 2006, 1-11.	1.1	3
257	Conservation laws for equations related to soil water equations. Mathematical Problems in Engineering, 2005, 2005, 141-150.	1.1	10
258	Nonlinear evolution-type equations and their exact solutions using inverse variational methods. Journal of Physics A, 2005, 38, 4629-4636.	1.6	34
259	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
260	Uniqueness of solutions to certain hyperbolic boundary value problems in a semiâ€infinite strip. Mathematika, 1999, 46, 155-163.	0.5	0