Shou-Fu Tian

List of Publications by Year
in descending order

168 papers	5,389 citations	71102 41 h-index	106344 65 g-index
170 all docs	170 docs citations	170 times ranked	743 citing authors

#	Article	IF	Citations
1	Riemann–Hilbert problem and interactions of solitons in the $\bar{\partial}$-component nonlinear Schrödinger equations. Studies in Applied Mathematics, 2022, 148, 577-605.	2.4	39
2	Inverse scattering transform for the integrable nonlocal Lakshmanan-Porsezian-Daniel equation. Discrete and Continuous Dynamical Systems - Series B, 2022, 27, 4941.	0.9	4
3	Riemann–Hilbert problem for the focusing nonlinear Schrödinger equation with multiple high-order poles under nonzero boundary conditions. Physica D: Nonlinear Phenomena, 2022, 432, 133162.	2.8	35
4	Formation, stability, and adiabatic excitation of peakons and double-hump solitons in parity-time-symmetric Dirac- <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>δ</mml:mi><mml:mo>(</mml:mo><mml:mi>x</mml:mi> -Scarf-II optical potentials. Physical Review E, 2022, 105, 014204.	2.1	17
5	Riemann–Hilbert problem and dynamics of soliton solutions of the fifth-order nonlinear Schrödinger equation. Applied Mathematics Letters, 2022, 128, 107904.	2.7	5
6	Soliton Resolution for the Wadati–Konno–Ichikawa Equation with Weighted Sobolev Initial Data. Annales Henri Poincare, 2022, 23, 2611-2655.	1.7	29
7	Riemann-Hilbert method and multi-soliton solutions of an extended modified Korteweg-de Vries equation with N distinct arbitrary-order poles. Journal of Mathematical Analysis and Applications, 2022, 511, 126103.	1.0	6
8	Soliton resolution for the complex short pulse equation with weighted Sobolev initial data in space-time solitonic regions. Journal of Differential Equations, 2022, 329, 31-88.	2.2	35
9	Data-driven rogue waves and parameters discovery in nearly integrable <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e2780" altimg="si47.svg"><mml:mrow><mml:mi mathvariant="script">P</mml:mi><mml:mi>T</mml:mi></mml:mrow></mml:math>-symmetric Gross–Pitaevskii equations via PINNs deep learning. Physica D: Nonlinear Phenomena, 2022, 439, 133430.	2.8	16
10	Dynamics of lump solutions, lump-kink solutions and periodic lump solutions in a (3+1)-dimensional generalized Jimbo–Miwa equation. Waves in Random and Complex Media, 2021, 31, 293-304.	2.7	4
11	General high-order breather, lump, and semi-rational solutions to the (2+1)-dimensional generalized Bogoyavlensky–Konopelchenko equation. Modern Physics Letters B, 2021, 35, 2150057.	1.9	4
12	Riemann–Hilbert approach and multi-soliton solutions of a variable-coefficient fifth-order nonlinear Schrödinger equation with N distinct arbitrary-order poles. Modern Physics Letters B, 2021, 35, 2150194.	1.9	6
13	Stability analysis, solitary wave and explicit power series solutions of a (2 + 1)-dimensional nonlinear Schrödinger equation in a multicomponent plasma. International Journal of Numerical Methods for Heat and Fluid Flow, 2021, 31, 1732-1748.	2.8	10
14	Vector breather waves and higher-order rouge waves to the coupled higher-order nonlinear Schrödinger equations. International Journal of Computer Mathematics, 2021, 98, 2504-2513.	1.8	4
15	The Riemann-Hilbert approach for the focusing Hirota equation with single and double poles. Analysis and Mathematical Physics, 2021, 11, 1.	1.3	15
16	Riemann–Hilbert problem for the generalized modified Korteweg–de Vries equation with N distinct arbitrary-order poles. Modern Physics Letters B, 2021, 35, 2150233.	1.9	0
17	The bound-state soliton solutions of a higher-order nonlinear Schrödinger equation for inhomogeneous Heisenberg ferromagnetic system. Nonlinear Dynamics, 2021, 104, 2639-2652.	5.2	12
18	Riemann–Hilbert problem for the Kundu-type nonlinear Schrödinger equation with N distinct arbitrary-order poles. Theoretical and Mathematical Physics(Russian Federation), 2021, 207, 415-433.	0.9	4

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19	The modified high-order Haar wavelet scheme with Rungeâ€"Kutta method in the generalized Burgersâ€"Fisher equation and the generalized Burgersâ€"Huxley equation. Modern Physics Letters B, 2021, 35, 2150419.	1.9	8
20	Mechanisms of nonlinear wave transitions in the (2+1)-dimensional generalized breaking soliton equation. Nonlinear Dynamics, 2021, 105, 1753-1764.	5.2	9
21	The âˆ‚Ì„-dressing method and soliton solutions for the three-component coupled Hirota equations. Journal of Mathematical Physics, 2021, 62, .	1.1	29
22	A hierarchy of nonlocal nonlinear evolution equations and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e333" altimg="si6.svg"><mml:mover accent="true"><mml:mrow><mml:mi>âˆ‚</mml:mi></mml:mrow><mml:mrow><mml:mo>Ì„</mml:mo></mml:mrow></mml:mover></mml method. Applied Mathematics Letters, 2021, 120, 107254.	2.7	14
23	Nonlinear wave transitions and their mechanisms of (2+1)-dimensional Sawadaâ€"Kotera equation. Physica D: Nonlinear Phenomena, 2021, 427, 133002.	2.8	28
24	Integrable discretizations and soliton solutions of an Eckhausâ€"Kundu equation. Applied Mathematics Letters, 2021, 122, 107507.	2.7	18
25	Characteristics of solitary waves, breather waves and hybrid waves to a new (3Â+Â1)-dimensional nonlinear evolution equation in a quantum magnetoplasma. Europhysics Letters, 2021, 135, 20003.	2.0	6
26	Inverse scattering transform and soliton solutions of an integrable nonlocal Hirota equation. Communications on Pure and Applied Analysis, 2021, .	0.8	4
27	A symmetry-preserving difference scheme and analytical solutions of a generalized higher-order beam equation. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2021, 477, .	2.1	27
28	On the $$\partial$$-problem and dressing method for the complex vector modified KdV equation. Theoretical and Mathematical Physics(Russian Federation), 2021, 209, 1579-1598.	0.9	3
29	BÃ¤cklund Transformations, Nonlocal Symmetries and Solitonâ€"Cnoidal Interaction Solutions of the (2Â+Â1)-Dimensional Boussinesq Equation. Bulletin of the Malaysian Mathematical Sciences Society, 2020, 43, 141-155.	0.9	30
30	Lie symmetry analysis, conservation laws and solitary wave solutions to a fourth-order nonlinear generalized Boussinesq water wave equation. Applied Mathematics Letters, 2020, 100, 106056.	2.7	124
31	Riemannâ€"Hilbert approach for multisoliton solutions of generalized coupled fourthâ€"order nonlinear SchrÃ¶dinger equations. Mathematical Methods in the Applied Sciences, 2020, 43, 865-880.	2.3	36
32	Dynamics of kink solitary waves and lump waves with interaction phenomena in a generalized (3+1)-dimensional Kadomtsevâ€"Petviashviliâ€"Boussinesq equation. International Journal of Computer Mathematics, 2020, 97, 2178-2190.	1.8	13
33	Characteristics of rogue waves on a periodic background for the Hirota equation. Wave Motion, 2020, 93, 102454.	2.0	60
34	The <i>N</i>â€"coupled higherâ€"order nonlinear SchrÃ¶dinger equation: Riemannâ€"Hilbert problem and multiâ€"soliton solutions. Mathematical Methods in the Applied Sciences, 2020, 43, 2458-2472.	2.3	31
35	Inverse Scattering Transform and Soliton Classification of Higher-Order Nonlinear SchrÃ¶dinger-Maxwell-Bloch Equations. Theoretical and Mathematical Physics(Russian Federation), 2020, 203, 709-725.	0.9	18
36	Initial Value Problem for the Pair Transition Coupled Nonlinear SchrÃ¶dinger Equations via the Riemannâ€"Hilbert Method. Complex Analysis and Operator Theory, 2020, 14, 1.	0.6	17

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37	Blow-up phenomena of a weakly dissipative modified two-component Dullin–Gottwald–Holm system. Applied Mathematics Letters, 2020, 106, 106378.	2.7	12
38	Lie symmetry analysis, conservation laws and analytical solutions for chiral nonlinear Schrödinger equation in (2 + 1)-dimensions. Nonlinear Analysis: Modelling and Control, 2020, 25, .	1.6	7
39	The Dynamics of Lump, Lumpoff and Rogue Wave Solutions of (2+1)-Dimensional Hirota-Satsuma-Ito Equations. East Asian Journal on Applied Mathematics, 2020, 10, 243-255.	0.9	26
40	THE BREATHER WAVE SOLUTIONS, M-LUMP SOLUTIONS AND SEMI-RATIONAL SOLUTIONS TO A (2+1)-DIMENSIONAL GENERALIZED KORTEWEG-DE VRIES EQUATION. Journal of Applied Analysis and Computation, 2020, 10, 118-130.	0.5	3
41	Riemann–Hilbert problem for the modified Landau–Lifshitz equation with nonzero boundary conditions. Theoretical and Mathematical Physics(Russian Federation), 2020, 205, 1611-1637.	0.9	6
42	Characteristics of the lump, lumpoff and rouge wave solutions in a (3+1)-dimensional generalized potential Yu–Toda–Sasa–Fukuyama equation. Modern Physics Letters B, 2019, 33, 1950291.	1.9	5
43	Rational and semi‐rational solutions of a nonlocal (2Â+Â1)‐dimensional nonlinear Schrödinger equation. Mathematical Methods in the Applied Sciences, 2019, 42, 6865-6877.	2.3	47
44	The lump, lumpoff and rouge wave solutions of a (3+1)-dimensional generalized shallow water wave equation. Modern Physics Letters B, 2019, 33, 1950190.	1.9	6
45	Riemann–Hilbert method and multi-soliton solutions for three-component coupled nonlinear Schrödinger equations. Journal of Geometry and Physics, 2019, 146, 103508.	1.4	92
46	Breather waves, high-order rogue waves and their dynamics in the coupled nonlinear Schrödinger equations with alternate signs of nonlinearities. Europhysics Letters, 2019, 127, 50005.	2.0	22
47	Dynamics of the soliton waves, breather waves, and rogue waves to the cylindrical Kadomtsev-Petviashvili equation in pair-ion–electron plasma. Physics of Fluids, 2019, 31, .	4.0	56
48	Characteristics of the breather waves, lump waves and semi-rational solutions in a generalized (2+1)-dimensional asymmetrical Nizhnik–Novikov–Veselov equation. Modern Physics Letters B, 2019, 33, 1950350.	1.9	3
49	The solitary waves, breather waves and rogue waves for a generalized nonlinear equation. Modern Physics Letters B, 2019, 33, 1950353.	1.9	1
50	General lump solutions, lumpoff solutions, and rogue wave solutions with predictability for the (2+1)-dimensional Korteweg-de Vries equation. Computational and Applied Mathematics, 2019, 38, 1.	2.2	12
51	Rogue Waves and Their Dynamics on Bright-Dark Soliton Background of the Coupled Higher Order Nonlinear Schrödinger Equation. Journal of the Physical Society of Japan, 2019, 88, 074004.	1.6	50
52	Lump wave and hybrid solutions of a generalized (3 + 1)-dimensional nonlinear wave equation in liquid with gas bubbles. Frontiers of Mathematics in China, 2019, 14, 631-643.	0.7	40
53	Stability analysis, optical solitons and complexitons of the two-dimensional complex Ginzburg-Landau equation. Journal of Electromagnetic Waves and Applications, 2019, 33, 1224-1238.	1.6	5
54	Solitary wave, breather wave and rogue wave solutions of an inhomogeneous fifth-order nonlinear Schrodinger equation from Heisenberg ferromagnetism. Rocky Mountain Journal of Mathematics, 2019, 49, .	0.4	16

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55	Modulation instability analysis of the generalized nonlinear Schrödinger equation and its bright, dark and complexiton soliton solutions. Optik, 2019, 183, 381-388.	2.9	3
56	An efficient onboard compression method for multispectral images using distributed post-transform in the wavelet domain in conjunction with a fast spectral decorrelator. Optical Review, 2019, 26, 247-261.	2.0	5
57	Characteristics of the breather waves, rogue waves and solitary waves in an extended (3̃+̃1)-dimensional Kadomtsev–Petviashvili equation. International Journal of Numerical Methods for Heat and Fluid Flow, 2019, 29, 2964-2976.	2.8	1
58	Lump solutions and interaction phenomena of the (3̃+̃1)-dimensional nonlinear evolution equations. International Journal of Numerical Methods for Heat and Fluid Flow, 2019, 29, 3417-3436.	2.8	13
59	Bilinear formalism, lump solution, lumpoff and instanton/rogue wave solution of a (3+1)-dimensional B-type Kadomtsev–Petviashvili equation. Nonlinear Dynamics, 2019, 95, 3005-3017.	5.2	43
60	General coupled nonlinear Schrödinger equation: Breather waves and rogue waves on a soliton background, and dynamics. Superlattices and Microstructures, 2019, 128, 83-91.	3.1	6
61	Integrability, soliton solutions and modulation instability analysis of a $(2+1)$-dimensional nonlinear Heisenberg ferromagnetic spin chain equation. Computers and Mathematics With Applications, 2019, 77, 770-778.	2.7	29
62	Lump-type solutions and interaction solutions in the (3 + 1)-dimensional potential Yu–Toda–Sasa–Fukuyama equation. Analysis and Mathematical Physics, 2019, 9, 1511-1523.	1.3	26
63	Breather waves and rational solutions in the (3+1)-dimensional Boiti–Leon–Manna–Pempinelli equation. Computers and Mathematics With Applications, 2019, 77, 715-723.	2.7	56
64	Solitons to rogue waves transition, lump solutions and interaction solutions for the (3+1)-dimensional generalized B-type Kadomtsev–Petviashvili equation in fluid dynamics. International Journal of Computer Mathematics, 2019, 96, 1839-1848.	1.8	20
65	Rogue waves, homoclinic breather waves and soliton waves for a (3̃+̃1)-dimensional non-integrable KdV-type equation. International Journal of Numerical Methods for Heat and Fluid Flow, 2019, 29, 763-772.	2.8	11
66	Infinite propagation speed of a weakly dissipative modified two-component Dullin–Gottwald–Holm system. Applied Mathematics Letters, 2019, 89, 1-7.	2.7	30
67	Nonlocal symmetries, conservation laws and interaction solutions for the classical Boussinesq–Burgers equation. Nonlinear Dynamics, 2019, 95, 273-291.	5.2	29
68	Lie symmetry analysis, conservation laws and analytical solutions for a generalized time-fractional modified KdV equation. Waves in Random and Complex Media, 2019, 29, 456-476.	2.7	2
69	The solitary waves, quasi-periodic waves and integrability of a generalized fifth-order Korteweg-de Vries equation. Waves in Random and Complex Media, 2019, 29, 247-263.	2.7	3
70	Lie point symmetries, conservation laws, and analytical solutions of a generalized time-fractional Sawada–Kotera equation. Waves in Random and Complex Media, 2019, 29, 509-522.	2.7	12
71	Dynamics of Lump Solutions, Rogue Wave Solutions and Traveling Wave Solutions for a (3 +) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.9	11
72	Lump solutions with interaction phenomena in the (2+1)-dimensional Ito equation. Modern Physics Letters B, 2018, 32, 1850104.	1.9	25

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73	Optical solitons, complexitons, Gaussian soliton and power series solutions of a generalized Hirota equation. Modern Physics Letters B, 2018, 32, 1850143.	1.9	11
74	Bäcklund transformation, rogue wave solutions and interaction phenomena for a $$\varvec{(3+1)}$$ (3 + 1) -dimensional B-type Kadomtsev–Petviashvili–Boussinesq equation. Nonlinear Dynamics, 2018, 92, 709-720.	5.2	66
75	On the integrability and Riemann theta functions periodic wave solutions of the Benjamin Ono equation. Nonlinear Dynamics, 2018, 92, 235-246.	5.2	3
76	Bright soliton solutions, power series solutions and travelling wave solutions of a (3+1)-dimensional modified Korteweg–de Vries–Kadomtsev–Petviashvili equation. Modern Physics Letters B, 2018, 32, 1850082.	1.9	2
77	Nonlocal Symmetries, Conservation Laws and Interaction Solutions of the Generalised Dispersive Modified Benjamin–Bona–Mahony Equation. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2018, 73, 399-405.	1.5	38
78	Stability analysis solutions, optical solitons, Gaussian solutions and traveling wave solutions of the nonlinear Schrödinger governing equation. Optik, 2018, 158, 391-398.	2.9	10
79	Lie symmetry analysis, conservation laws and analytic solutions of the time fractional Kolmogorov–Petrovskii–Piskunov equation. Chinese Journal of Physics, 2018, 56, 1734-1742.	3.9	20
80	Characteristics of the solitary waves and lump waves with interaction phenomena in a (2+1)-dimensional generalized Caudrey–Dodd–Gibbon–Kotera–Sawada equation. Nonlinear Dynamics, 2018, 93, 1841-1851.	5.2	34
81	Characteristics of solitary wave, homoclinic breather wave and rogue wave solutions in a (2+1)-dimensional generalized breaking soliton equation. Computers and Mathematics With Applications, 2018, 76, 179-186.	2.7	94
82	Asymptotic behavior of a weakly dissipative modified two-component Dullin–Gottwald–Holm system. Applied Mathematics Letters, 2018, 83, 65-72.	2.7	47
83	Rogue waves, bright–dark solitons and traveling wave solutions of the $(3+1)$ generalized Kadomtsev–Petviashvili equation. Computers and Mathematics With Applications, 2018, 75, 4221-4231.	2.7	71
84	On breather waves, rogue waves and solitary waves to a generalized (2+1)-dimensional Camassa–Holm–Kadomtsev–Petviashvili equation. Communications in Nonlinear Science and Numerical Simulation, 2018, 62, 378-385.	3.3	63
85	Optical soliton solutions, periodic wave solutions and complexitons of the cubic Schrödinger equation with a bounded potential. Superlattices and Microstructures, 2018, 113, 510-518.	3.1	5
86	Stability analysis solutions and optical solitons in extended nonlinear Schrödinger equation with higher-order odd and even terms. Superlattices and Microstructures, 2018, 113, 726-736.	3.1	2
87	Bright-dark solitary waves, complexitons, Guassian solitons, and traveling wave solitons of the second-order non-linear Schrödinger equation with spatial and temporal dispersion. Journal of Electromagnetic Waves and Applications, 2018, 32, 504-515.	1.6	0
88	Solitary waves, homoclinic breather waves and rogue waves of the $(3+1)$ Hirota bilinear equation. Computers and Mathematics With Applications, 2018, 75, 957-964.	2.7	94
89	Stability analysis, soliton waves, rogue waves and interaction phenomena for the (3+1)-dimensional generalized Kadomtsev–Petviashvili equation. Modern Physics Letters B, 2018, 32, 1850345.	1.9	3
90	Dynamics of breather waves and higher-order rogue waves in a coupled nonlinear Schrödinger equation. Europhysics Letters, 2018, 123, 50005.	2.0	61

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91	Optical solitons, complexitons and power series solutions of a (2+1)-dimensional nonlinear Schrödinger equation. Modern Physics Letters B, 2018, 32, 1850336.	1.9	12
92	Characteristics of the breather and rogue waves in a (2+1)-dimensional nonlinear Schrödinger equation. Proceedings of the American Mathematical Society, 2018, 146, 3353-3365.	0.8	113
93	Analysis on lump, lumpoff and rogue waves with predictability to the (2+1)-dimensional B-type Kadomtsev–Petviashvili equation. Physics Letters, Section A: General, Atomic and Solid State Physics, 2018, 382, 2701-2708.	2.1	65
94	On quasi-periodic waves and rogue waves to the (4+1)-dimensional nonlinear Fokas equation. Journal of Mathematical Physics, 2018, 59, .	1.1	75
95	Modulation instability analysis and soliton solutions of an integrable coupled nonlinear Schrödinger system. Nonlinear Dynamics, 2018, 94, 2749-2761.	5.2	40
96	Lie symmetry analysis, conservation laws and analytical solutions of the time-fractional thin-film equation. Computational and Applied Mathematics, 2018, 37, 6270-6282.	1.3	21
97	On the breather waves, rogue waves and solitary waves to a generalized (2+1)-dimensional Caudrey-Dodd-Gibbon-Kotera-Sawada equation. Filomat, 2018, 32, 4959-4969.	0.5	15
98	Initial-boundary value problems for the coupled modified Korteweg-de Vries equation on the interval. Communications on Pure and Applied Analysis, 2018, 17, 923-957.	0.8	73
99	Solitary Wave and Quasi-Periodic Wave Solutions to a (3+1)-Dimensional Generalized Calogero-Bogoyavlenskii-Schiff Equation. Advances in Applied Mathematics and Mechanics, 2018, 10, 948-977.	1.2	36
100	Dynamics of Solitary Waves and Periodic Waves in a (3 + 1)-Dimensional Nonlinear Evolution Equation. East Asian Journal on Applied Mathematics, 2018, 8, 477-497.	0.9	10
101	Lie Symmetry Analysis, Analytical Solutions, and Conservation Laws of the Generalised Whitham–Broer–Kaup–Like Equations. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2017, 72, 269-279.	1.5	39
102	Nonlocal symmetry and consistent Riccati expansion integrability of the (1+1)-dimensional integrable nonlinear dispersive-wave system. Waves in Random and Complex Media, 2017, 27, 571-586.	2.7	2
103	Lie Symmetries, Conservation Laws and Explicit Solutions for Time Fractional Rosenau–Haynam Equation. Communications in Theoretical Physics, 2017, 67, 157.	2.5	17
104	Quasiperiodic waves, solitary waves and asymptotic properties for a generalized (3+1)-dimensional variable-coefficient B-type Kadomtsev–Petviashvili equation. Nonlinear Dynamics, 2017, 88, 2265-2279.	5.2	40
105	Characteristics of the solitary waves and rogue waves with interaction phenomena in a generalized (<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="mml22" display="inline") Tj ETQq1 1 0.784314 rgBT /Overlock 10 Kadomtsev–Petviashvili equation. Applied Mathematics Letters, 2017, 72, 58-64.	2.7	90
106	Nonlocal Symmetries, Consistent Riccati Expansion, and Analytical Solutions of the Variant Boussinesq System. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2017, 72, 655-663.	1.5	28
107	On the solitary waves, breather waves and rogue waves to a generalized (<mml:math) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 1 Kadomtsev–Petviashvili equation. Computers and Mathematics With Applications, 2017, 74, 556-563.	2.7	70
108	Lie symmetries, conservation laws and analytical solutions for two-component integrable equations. Chinese Journal of Physics, 2017, 55, 996-1010.	3.9	24

#	Article	IF	Citations
109	Nonlocal Symmetries and Consistent Riccati Expansions of the (2+1)-Dimensional Dispersive Long Wave Equation. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2017, 72, 425-431.	1.5	34
110	Lie symmetry analysis, conservation laws, solitary and periodic waves for a coupled Burger equation. Superlattices and Microstructures, 2017, 101, 415-428.	3.1	13
111	Dynamics of the breathers, rogue waves and solitary waves in the (2+1)-dimensional Ito equation. Applied Mathematics Letters, 2017, 68, 40-47.	2.7	116
112	Nonlocal symmetries, solitary waves and cnoidal periodic waves of the (2+1)-dimensional breaking soliton equation. Modern Physics Letters B, 2017, 31, 1750348.	1.9	2
113	Characteristics of solitary waves, quasiperiodic solutions, homoclinic breather solutions and rogue waves in the generalized variable-coefficient forced Kadomtsev–Petviashvili equation. Modern Physics Letters B, 2017, 31, 1750350.	1.9	2
114	An efficient method for measuring the internal parameters of optical cameras based on optical fibres. Scientific Reports, 2017, 7, 12479.	3.3	3
115	Lie symmetry analysis and different types of solutions to a generalized bidirectional sixth-order Sawada–Kotera equation. Chinese Journal of Physics, 2017, 55, 2236-2248.	3.9	3
116	Lie symmetry analysis, conservation laws and analytical solutions for the constant astigmatism equation. Chinese Journal of Physics, 2017, 55, 1938-1952.	3.9	8
117	Solitary waves, rogue waves and homoclinic breather waves for a (2 + 1)-dimensional generalized Kadomtsev–Petviashvili equation. Modern Physics Letters B, 2017, 31, 1750281.	1.9	3
118	Lie symmetry analysis, conservation laws and analytical solutions of a time-fractional generalized KdV-type equation*. Journal of Nonlinear Mathematical Physics, 2017, 24, 516.	1.3	19
119	Initial-boundary value problems of the coupled modified Korteweg–de Vries equation on the half-line via the Fokas method. Journal of Physics A: Mathematical and Theoretical, 2017, 50, 395204.	2.1	98
120	Rogue waves, homoclinic breather waves and soliton waves for the $(2+1)$-dimensional B-type Kadomtsev–Petviashvili equation. Applied Mathematics Letters, 2017, 65, 90-97.	2.7	94
121	Initial–boundary value problems for the general coupled nonlinear Schrödinger equation on the interval via the Fokas method. Journal of Differential Equations, 2017, 262, 506-558.	2.2	277
122	Lie symmetry analysis, conservation laws and explicit solutions for the time fractional Rosenau-Haynam equation. Waves in Random and Complex Media, 2017, 27, 308-324.	2.7	25
123	Long-time asymptotic behavior for the Gerdjikov-Ivanov type of derivative nonlinear Schrödinger equation with time-periodic boundary condition. Proceedings of the American Mathematical Society, 2017, 146, 1713-1729.	0.8	113
124	Lie symmetry analysis, conservation laws and exact solutions of the generalized time fractional Burgers equation. Europhysics Letters, 2016, 114, 20003.	2.0	40
125	Analytic solutions and Darboux transformation to a new Hamiltonian lattice hierarchy. Modern Physics Letters B, 2016, 30, 1650100.	1.9	15
126	Quasi-periodic wave solutions and asymptotic properties for a fifth-order Korteweg–de Vries type equation. Modern Physics Letters B, 2016, 30, 1650223.	1.9	1

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127	The mixed coupled nonlinear Schrödinger equation on the half-line via the Fokas method. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2016, 472, 20160588.	2.1	134
128	Quasi-periodic wave solutions, soliton solutions, and integrability to a (2+1)-dimensional generalized Bogoyavlensky-Konopelchenko equation. Waves in Random and Complex Media, 2016, 26, 444-457.	2.7	18
129	On Lie symmetries, exact solutions and integrability to the KdV-Sawada-Kotera-Ramani equation. European Physical Journal Plus, 2016, 131, 1.	2.6	12
130	Bäcklund transformation, infinite conservation laws and periodic wave solutions to a generalized (2+1)-dimensional Boussinesq equation. Nonlinear Analysis: Real World Applications, 2016, 31, 388-408.	1.7	85
131	On periodic wave solutions with asymptotic behaviors to a (3+1)-dimensional generalized B-type Kadomtsev–Petviashvili equation in fluid dynamics. Computers and Mathematics With Applications, 2016, 72, 2486-2504.	2.7	88
132	Characteristics of the breathers, rogue waves and solitary waves in a generalized (2+1)-dimensional Boussinesq equation. Europhysics Letters, 2016, 115, 10002.	2.0	64
133	Lie Symmetry Analysis and Conservation Laws of a Generalized Time Fractional Foam Drainage Equation. Communications in Theoretical Physics, 2016, 66, 35-40.	2.5	13
134	Lie Symmetry Analysis, Conservation Laws and Exact Power Series Solutions for Time-Fractional Fordy–Gibbons Equation. Communications in Theoretical Physics, 2016, 66, 321-329.	2.5	22
135	On periodic wave solutions and asymptotic behaviors to a generalized Konopelchenko-Dubrovsky-Kaup-Kupershmidt equation. European Physical Journal Plus, 2016, 131, 1.	2.6	26
136	Quasi-periodic Waves and Solitary Waves to a Generalized KdV-Caudrey-Dodd-Gibbon Equation from Fluid Dynamics. Taiwanese Journal of Mathematics, 2016, 20, .	0.4	51
137	Quasi-periodic wave solutions and asymptotic properties to an extended Korteweg–de Vries equation from fluid dynamics. Modern Physics Letters B, 2016, 30, 1550271.	1.9	0
138	On integrability and quasi-periodic wave solutions to a (3+1)-dimensional generalized KdV-like model equation. Applied Mathematics and Computation, 2016, 283, 216-233.	2.2	75
139	On Lie symmetries, optimal systems and explicit solutions to the Kudryashov–Sinelshchikov equation. Applied Mathematics and Computation, 2016, 275, 345-352.	2.2	71
140	Bäcklund transformation, infinite conservation laws and periodic wave solutions of a generalized (3+1)-dimensional nonlinear wave in liquid with gas bubbles. Nonlinear Dynamics, 2016, 83, 1199-1215.	5.2	67
141	On Bell polynomials approach to the integrability of a (3+1)-dimensional generalized Kadomtsev–Petviashvili equation. Modern Physics Letters B, 2015, 29, 1550051.	1.9	21
142	On the integrability and quasi-periodic wave solutions of the Boussinesq equation in shallow water. European Physical Journal Plus, 2015, 130, 1.	2.6	11
143	Lie symmetries and nonlocally related systems of the continuous and discrete dispersive long waves system by geometric approach. Journal of Nonlinear Mathematical Physics, 2015, 22, 180.	1.3	50
144	On quasiperiodic wave solutions and integrability to a generalized $$\varvec{(2+1)}$$ (2 + 1) -dimensional Korteweg–de Vries equation. Nonlinear Dynamics, 2015, 82, 2031-2049.	5.2	22

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145	On symmetry-preserving difference scheme to a generalized Benjamin equation and third-order Burgers equation. Applied Mathematics Letters, 2015, 50, 146-152.	2.7	45
146	On the Lie algebras, generalized symmetries and darboux transformations of the fifth-order evolution equations in shallow water. Chinese Annals of Mathematics Series B, 2015, 36, 543-560.	0.4	67
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