

Tian-Tian Zhang

List of Publications by Year in descending order

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93
papers

3,118
citations

134610

34
h-index

190340

53
g-index

93
all docs

93
docs citations

93
times ranked

656
citing authors

#	ARTICLE	IF	CITATIONS
1	Inverse scattering transform for the integrable nonlocal Lakshmanan-Porsezian-Daniel equation. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2022, 27, 4941.	0.5	4
2	Dynamics of lump solutions, lump-kink solutions and periodic lump solutions in a (3+1)-dimensional generalized Jimbo-Miwa equation. <i>Waves in Random and Complex Media</i> , 2021, 31, 293-304.	1.6	4
3	The symmetry-preserving difference schemes and exact solutions of some high-dimensional differential equations. <i>Applied Mathematics Letters</i> , 2021, 112, 106813.	1.5	4
4	General high-order breather, lump, and semi-rational solutions to the (2+1)-dimensional generalized Bogoyavlensky-Konopelchenko equation. <i>Modern Physics Letters B</i> , 2021, 35, 2150057.	1.0	4
5	Riemann-Hilbert approach and multi-soliton solutions of a variable-coefficient fifth-order nonlinear Schrödinger equation with N distinct arbitrary-order poles. <i>Modern Physics Letters B</i> , 2021, 35, 2150194.	1.0	6
6	Stability analysis, solitary wave and explicit power series solutions of a (2 + 1)-dimensional nonlinear Schrödinger equation in a multicomponent plasma. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2021, 31, 1732-1748.	1.6	10
7	Vector breather waves and higher-order rogue waves to the coupled higher-order nonlinear Schrödinger equations. <i>International Journal of Computer Mathematics</i> , 2021, 98, 2504-2513.	1.0	4
8	A symmetry-preserving difference scheme and analytical solutions of a generalized higher-order beam equation. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2021, 477, .	1.0	27
9	Bäcklund Transformations, Nonlocal Symmetries and Soliton-Cnoidal Interaction Solutions of the (2+1)-Dimensional Boussinesq Equation. <i>Bulletin of the Malaysian Mathematical Sciences Society</i> , 2020, 43, 141-155.	0.4	30
10	Dynamics of kink solitary waves and lump waves with interaction phenomena in a generalized (3+1)-dimensional Kadomtsev-Petviashvili-Boussinesq equation. <i>International Journal of Computer Mathematics</i> , 2020, 97, 2178-2190.	1.0	13
11	Characteristics of rogue waves on a periodic background for the Hirota equation. <i>Wave Motion</i> , 2020, 93, 102454.	1.0	60
12	The coupled higher-order nonlinear Schrödinger equation: Riemann-Hilbert problem and multi-soliton solutions. <i>Mathematical Methods in the Applied Sciences</i> , 2020, 43, 2458-2472.	1.2	31
13	Initial Value Problem for the Pair Transition Coupled Nonlinear Schrödinger Equations via the Riemann-Hilbert Method. <i>Complex Analysis and Operator Theory</i> , 2020, 14, 1.	0.3	17
14	Lie symmetry analysis, conservation laws and analytical solutions for chiral nonlinear Schrödinger equation in (2 + 1)-dimensions. <i>Nonlinear Analysis: Modelling and Control</i> , 2020, 25, .	1.1	7
15	THE BREATHER WAVE SOLUTIONS, M-LUMP SOLUTIONS AND SEMI-RATIONAL SOLUTIONS TO A (2+1)-DIMENSIONAL GENERALIZED KORTEWEG-DE VRIES EQUATION. <i>Journal of Applied Analysis and Computation</i> , 2020, 10, 118-130.	0.2	3
16	Characteristics of the lump, lumpoff and rogue wave solutions in a (3+1)-dimensional generalized potential Yu-Toda-Sasa-Fukuyama equation. <i>Modern Physics Letters B</i> , 2019, 33, 1950291.	1.0	5
17	Rational and semi-rational solutions of a nonlocal (2+1)-dimensional nonlinear Schrödinger equation. <i>Mathematical Methods in the Applied Sciences</i> , 2019, 42, 6865-6877.	1.2	47
18	Riemann-Hilbert method and multi-soliton solutions for three-component coupled nonlinear Schrödinger equations. <i>Journal of Geometry and Physics</i> , 2019, 146, 103508.	0.7	92

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37	Nonlocal symmetries, conservation laws and interaction solutions for the classical Boussinesq-Burgers equation. <i>Nonlinear Dynamics</i> , 2019, 95, 273-291.	2.7	29
38	Lie symmetry analysis, conservation laws and analytical solutions for a generalized time-fractional modified KdV equation. <i>Waves in Random and Complex Media</i> , 2019, 29, 456-476.	1.6	2
39	The solitary waves, quasi-periodic waves and integrability of a generalized fifth-order Korteweg-de Vries equation. <i>Waves in Random and Complex Media</i> , 2019, 29, 247-263.	1.6	3
40	Optical solitons, complexitons, Gaussian soliton and power series solutions of a generalized Hirota equation. <i>Modern Physics Letters B</i> , 2018, 32, 1850143.	1.0	11
41	Bright soliton solutions, power series solutions and travelling wave solutions of a (3+1)-dimensional modified Korteweg-de Vries-Kadomtsev-Petviashvili equation. <i>Modern Physics Letters B</i> , 2018, 32, 1850082.	1.0	2
42	Nonlocal Symmetries, Conservation Laws and Interaction Solutions of the Generalised Dispersive Modified Benjamin-Bona-Mahony Equation. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2018, 73, 399-405.	0.7	38
43	Stability analysis solutions, optical solitons, Gaussian solutions and traveling wave solutions of the nonlinear Schrödinger governing equation. <i>Optik</i> , 2018, 158, 391-398.	1.4	10
44	Lie symmetry analysis, conservation laws and analytic solutions of the time fractional Kolmogorov-Petrovskii-Piskunov equation. <i>Chinese Journal of Physics</i> , 2018, 56, 1734-1742.	2.0	20
45	Characteristics of the solitary waves and lump waves with interaction phenomena in a (2+1)-dimensional generalized Caudrey-Dodd-Gibbon-Kotera-Sawada equation. <i>Nonlinear Dynamics</i> , 2018, 93, 1841-1851.		34
46	Characteristics of solitary wave, homoclinic breather wave and rogue wave solutions in a (2+1)-dimensional generalized breaking soliton equation. <i>Computers and Mathematics With Applications</i> , 2018, 76, 179-186.	1.4	94
47	Rogue waves, bright-dark solitons and traveling wave solutions of the generalized Kadomtsev-Petviashvili equation. <i>Computers and Mathematics With Applications</i> , 2018, 75, 4221-4231.		
48	On breather waves, rogue waves and solitary waves to a generalized (2+1)-dimensional Camassa-Holm-Kadomtsev-Petviashvili equation. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2018, 62, 378-385.	1.7	63
49	Breather wave, rogue wave and solitary wave solutions of a coupled nonlinear Schrödinger equation. <i>Applied Mathematics Letters</i> , 2018, 78, 133-140.	1.5	114
50	Stability analysis solutions and optical solitons in extended nonlinear Schrödinger equation with higher-order odd and even terms. <i>Superlattices and Microstructures</i> , 2018, 113, 726-736.	1.4	2
51	Bright-dark solitary waves, complexitons, Gaussian solitons, and traveling wave solitons of the second-order non-linear Schrödinger equation with spatial and temporal dispersion. <i>Journal of Electromagnetic Waves and Applications</i> , 2018, 32, 504-515.	1.0	0
52	Dynamics of breather waves and higher-order rogue waves in a coupled nonlinear Schrödinger equation. <i>Europhysics Letters</i> , 2018, 123, 50005.	0.7	61
53	Optical solitons, complexitons and power series solutions of a (2+1)-dimensional nonlinear Schrödinger equation. <i>Modern Physics Letters B</i> , 2018, 32, 1850336.	1.0	12
54	Characteristics of the breather and rogue waves in a (2+1)-dimensional nonlinear Schrödinger equation. <i>Proceedings of the American Mathematical Society</i> , 2018, 146, 3353-3365.	0.4	113

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55	Analysis on lump, lumpoff and rogue waves with predictability to the $(2\epsilon + \epsilon^{-1})$ -dimensional B-type Kadomtsevâ€“Petviashvili equation. Physics Letters, Section A: General, Atomic and Solid State Physics, 2018, 382, 2701-2708.	0.9	65
56	Dynamics of the breathers and rogue waves in the higher-order nonlinear SchrÃ¶dinger equation. Applied Mathematics Letters, 2018, 86, 298-304.	1.5	64
57	On quasi-periodic waves and rogue waves to the $(4+1)$ -dimensional nonlinear Fokas equation. Journal of Mathematical Physics, 2018, 59, .	0.5	75
58	Modulation instability analysis and soliton solutions of an integrable coupled nonlinear SchrÃ¶dinger system. Nonlinear Dynamics, 2018, 94, 2749-2761.	2.7	40
59	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.	0.2	15
60	Lie Symmetry Analysis, Analytical Solutions, and Conservation Laws of the Generalised Whithamâ€“Broerâ€“Kaupâ€“Like Equations. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2017, 72, 269-279.	0.7	39
61	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.	1.6	2
62	Quasiperiodic waves, solitary waves and asymptotic properties for a generalized $(3\hat{A}+\hat{A}1)$ -dimensional variable-coefficient B-type Kadomtsevâ€“Petviashvili equation. Nonlinear Dynamics, 2017, 88, 2265-2279.	2.7	40
63	Characteristics of the solitary waves and rogue waves with interaction phenomena in a generalized Kadomtsevâ€“Petviashvili equation. Applied Mathematics Letters, 2017, 72, 58-64.	1.5	90
64	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.	0.7	28
65	Lie symmetries, conservation laws and analytical solutions for two-component integrable equations. Chinese Journal of Physics, 2017, 55, 996-1010.	2.0	24
66	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.	0.7	34
67	Lie symmetry analysis, conservation laws, solitary and periodic waves for a coupled Burger equation. Superlattices and Microstructures, 2017, 101, 415-428.	1.4	13
68	Dynamics of the breathers, rogue waves and solitary waves in the $(2+1)$ -dimensional Ito equation. Applied Mathematics Letters, 2017, 68, 40-47.	1.5	116
69	Lie symmetry analysis and different types of solutions to a generalized bidirectional sixth-order Sawadaâ€“Kotera equation. Chinese Journal of Physics, 2017, 55, 2236-2248.	2.0	3
70	Lie symmetry analysis, conservation laws and analytical solutions for the constant astigmatism equation. Chinese Journal of Physics, 2017, 55, 1938-1952.	2.0	8
71	Lie symmetry analysis, conservation laws and analytical solutions of a time-fractional generalized KdV-type equation*. Journal of Nonlinear Mathematical Physics, 2017, 24, 516.	0.8	19
72	Rogue waves, homoclinic breather waves and soliton waves for the $(2+1)$ -dimensional B-type Kadomtsevâ€“Petviashvili equation. Applied Mathematics Letters, 2017, 65, 90-97.	1.5	94

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73	Lie symmetry analysis, conservation laws and explicit solutions for the time fractional Rosenau-Haynam equation. <i>Waves in Random and Complex Media</i> , 2017, 27, 308-324.	1.6	25
74	Long-time asymptotic behavior for the Gerdjikov-Ivanov type of derivative nonlinear Schrödinger equation with time-periodic boundary condition. <i>Proceedings of the American Mathematical Society</i> , 2017, 146, 1713-1729.	0.4	113
75	Lie symmetry analysis, conservation laws and exact solutions of the generalized time fractional Burgers equation. <i>Europhysics Letters</i> , 2016, 114, 20003.	0.7	40
76	Analytic solutions and Darboux transformation to a new Hamiltonian lattice hierarchy. <i>Modern Physics Letters B</i> , 2016, 30, 1650100.	1.0	15
77	Quasi-periodic wave solutions, soliton solutions, and integrability to a (2+1)-dimensional generalized Bogoyavlensky-Konopelchenko equation. <i>Waves in Random and Complex Media</i> , 2016, 26, 444-457.	1.6	18
78	On Lie symmetries, exact solutions and integrability to the KdV-Sawada-Kotera-Ramani equation. <i>European Physical Journal Plus</i> , 2016, 131, 1.	1.2	12
79	Bäcklund transformation, infinite conservation laws and periodic wave solutions to a generalized (2+1)-dimensional Boussinesq equation. <i>Nonlinear Analysis: Real World Applications</i> , 2016, 31, 388-408.	0.9	85
80	On periodic wave solutions with asymptotic behaviors to a (3+1)-dimensional generalized B-type Kadomtsev-Petviashvili equation in fluid dynamics. <i>Computers and Mathematics With Applications</i> , 2016, 72, 2486-2504.	1.4	88
81	Characteristics of the breathers, rogue waves and solitary waves in a generalized (2+1)-dimensional Boussinesq equation. <i>Europhysics Letters</i> , 2016, 115, 10002.	0.7	64
82	Lie Symmetry Analysis, Conservation Laws and Exact Power Series Solutions for Time-Fractional Fordy-Gibbons Equation. <i>Communications in Theoretical Physics</i> , 2016, 66, 321-329.	1.1	22
83	On periodic wave solutions and asymptotic behaviors to a generalized Konopelchenko-Dubrovsky-Kaup-Kupershmidt equation. <i>European Physical Journal Plus</i> , 2016, 131, 1.	1.2	26
84	Quasi-periodic Waves and Solitary Waves to a Generalized KdV-Caudrey-Dodd-Gibbon Equation from Fluid Dynamics. <i>Taiwanese Journal of Mathematics</i> , 2016, 20, .	0.2	51
85	Quasi-periodic wave solutions and asymptotic properties to an extended Korteweg-de Vries equation from fluid dynamics. <i>Modern Physics Letters B</i> , 2016, 30, 1550271.	1.0	0
86	On integrability and quasi-periodic wave solutions to a (3+1)-dimensional generalized KdV-like model equation. <i>Applied Mathematics and Computation</i> , 2016, 283, 216-233.	1.4	75
87	On Lie symmetries, optimal systems and explicit solutions to the Kudryashov-Sinelshchikov equation. <i>Applied Mathematics and Computation</i> , 2016, 275, 345-352.	1.4	71
88	Bäcklund transformation, infinite conservation laws and periodic wave solutions of a generalized (3+1)-dimensional nonlinear wave in liquid with gas bubbles. <i>Nonlinear Dynamics</i> , 2016, 83, 1199-1215.	2.7	67
89	On Bell polynomials approach to the integrability of a (3+1)-dimensional generalized Kadomtsev-Petviashvili equation. <i>Modern Physics Letters B</i> , 2015, 29, 1550051.	1.0	21
90	Lie symmetries and nonlocally related systems of the continuous and discrete dispersive long waves system by geometric approach. <i>Journal of Nonlinear Mathematical Physics</i> , 2015, 22, 180.	0.8	50

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91	On quasiperiodic wave solutions and integrability to a generalized $(2+1)$ -dimensional Korteweg-de Vries equation. <i>Nonlinear Dynamics</i> , 2015, 82, 2031-2049.	2.7	22
92	On symmetry-preserving difference scheme to a generalized Benjamin equation and third-order Burgers equation. <i>Applied Mathematics Letters</i> , 2015, 50, 146-152.	1.5	45
93	Quasi-periodic wave solutions with asymptotic analysis to the Sawada-Kotera-Kadomtsev-Petviashvili equation. <i>European Physical Journal Plus</i> , 2015, 130, 1.	1.2	17