

# Yi Zhang

## List of Publications by Year in descending order

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67  
papers

1,029  
citations

586496

16  
h-index

511568

30  
g-index

69  
all docs

69  
docs citations

69  
times ranked

639  
citing authors

#	ARTICLE	IF	CITATIONS
1	Initial-boundary value problems for the two-component complex modified Korteweg-de Vries equation on the interval. <i>Discrete and Continuous Dynamical Systems - Series S</i> , 2023, 16, 671-707.	0.6	1
2	Exact solitary wave and periodic-peakon solutions of the complex Ginzburgâ€“Landau equation: Dynamical system approach. <i>Mathematics and Computers in Simulation</i> , 2022, 191, 157-167.	2.4	12
3	Interactional solutions of the extended nonlinear SchrÃ¶dinger equation with higher-order operators. <i>International Journal of Computer Mathematics</i> , 2022, 99, 1989-2000.	1.0	4
4	Some novel dynamical behaviours of localized solitary waves for the Hirotaâ€“Maccari system. <i>Nonlinear Dynamics</i> , 2022, 108, 533-541.	2.7	11
5	Breathers on elliptic function background for a generalized nonlinear SchrÃ¶dinger equation with higher-order terms. <i>Mathematics and Computers in Simulation</i> , 2022, 197, 22-31.	2.4	3
6	Rogue lumps on a background of kink waves for the Bogoyavlenskiiâ€“Kadomtsevâ€“Petviashvili equation. <i>Modern Physics Letters B</i> , 2022, 36, .	1.0	4
7	Bound States of Dark Solitons in $N$ -Coupled Complex Modified Korteweg-de Vries Equations. <i>Acta Applicandae Mathematicae</i> , 2022, 178, 1.	0.5	0
8	Linear superposition formula of solutions for the extended (3+1)-dimensional shallow water wave equation. <i>Nonlinear Dynamics</i> , 2022, 109, 1019-1032.	2.7	11
9	A Riemann-Hilbert approach in the form of a block matrix for the coupled matrix integrable system. <i>Journal of Geometry and Physics</i> , 2022, 178, 104572.	0.7	0
10	Rational soliton solutions in the nonlocal coupled complex modified Kortewegâ€“de Vries equations. <i>International Journal of Nonlinear Sciences and Numerical Simulation</i> , 2022, .	0.4	0
11	Riemannâ€“Hilbert approach of the coupled nonisospectral Grossâ€“Pitaevskii system and its multi-component generalization. <i>Applicable Analysis</i> , 2021, 100, 2200-2209.	0.6	3
12	Lie symmetry analysis, optimal system, new solitary wave solutions and conservation laws of the Pavlov equation. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2021, 94, 105560.	1.7	45
13	Rogue waves on the general periodic traveling wave background for an extended modified Kortewegâ€“de Vries equation. <i>Mathematical Methods in the Applied Sciences</i> , 2021, 44, 13711-13722.	1.2	5
14	Exact solutions of the nonlocal Gerdjikov-Ivanov equation. <i>Communications in Theoretical Physics</i> , 2021, 73, 105005.	1.1	17
15	On the Existence of Solitary Wave Solutions for Perturbed Degasperis-Procesi Equation. <i>Qualitative Theory of Dynamical Systems</i> , 2021, 20, 1.	0.8	4
16	Solitons and dynamics for the integrable nonlocal pair-transition-coupled nonlinear SchrÃ¶dinger equation. <i>Applied Mathematics and Computation</i> , 2021, 409, 126417.	1.4	6
17	Modulation instability, higher-order rogue waves and dynamics of the Gerdjikovâ€“Ivanov equation. <i>Wave Motion</i> , 2021, 106, 102795.	1.0	12
18	BIFURCATIONS AND EXACT TRAVELLING WAVE SOLUTIONS FOR A NEW INTEGRABLE NONLOCAL EQUATION. <i>Journal of Applied Analysis and Computation</i> , 2021, 11, 1588-1599.	0.2	4

#	ARTICLE	IF	CITATIONS
19	Darboux transformation and dark vector soliton solutions for complex mKdV systems. Partial Differential Equations in Applied Mathematics, 2021, 4, 100161.	1.3	3
20	Vector rational and semi-rational rogue wave solutions in the coupled complex modified Kortewegâ€de Vries equations. Wave Motion, 2020, 92, 102425.	1.0	11
21	Binary Darboux transformation and soliton solutions for the coupled complex modified Kortewegâ€de Vries equations. Mathematical Methods in the Applied Sciences, 2020, 43, 613-627.	1.2	20
22	The N-soliton solutions for the matrix modified Kortewegâ€de Vries equation via the Riemannâ€Hilbert approach. European Physical Journal Plus, 2020, 135, 1.	1.2	11
23	The Bifurcations and Exact Traveling Wave Solutions for a Nonlocal Hydrodynamic-Type System. Journal of Dynamical and Control Systems, 2020, 27, 645.	0.4	0
24	General soliton solutions to a reverseâ€time nonlocal nonlinear SchrÃdinger equation. Studies in Applied Mathematics, 2020, 145, 197-216.	1.1	16
25	The rational and semi-rational solutions to the Hirota Maccari system. Nonlinear Dynamics, 2020, 100, 2767-2778.	2.7	16
26	Exact solutions of nonlocal Fokasâ€Lenells equation. Applied Mathematics Letters, 2019, 98, 336-343.	1.5	52
27	Soliton solutions for a generalized nonlocal discrete Hirota equation. Wave Motion, 2019, 88, 13-20.	1.0	3
28	Rational solutions for a combined (3+1)-dimensional generalized BKP equation. Nonlinear Dynamics, 2018, 91, 1337-1347.	2.7	10
29	Higher-order rogue wave solutions of a general coupled nonlinear Fokasâ€Lenells system. Nonlinear Dynamics, 2018, 93, 585-597.	2.7	12
30	Wronskian and linear superposition solutions to generalized KP and BKP equations. Nonlinear Dynamics, 2017, 90, 355-362.	2.7	15
31	Rogue waves of a nonlinear evolution equation. Communications in Nonlinear Science and Numerical Simulation, 2017, 44, 120-129.	1.7	26
32	CTE method and exact solutions for modified Boussinesq system. Mathematical Methods in the Applied Sciences, 2017, 40, 1696-1702.	1.2	0
33	New type of a generalized variable-coefficient Kadomtsevâ€Petviashvili equation with self-consistent sources and its Grammian-type solutions. Communications in Nonlinear Science and Numerical Simulation, 2016, 37, 77-89.	1.7	8
34	The rogue waves of the KP equation with self-consistent sources. Applied Mathematics and Computation, 2015, 263, 204-213.	1.4	32
35	Rational solutions to a KdV-like equation. Applied Mathematics and Computation, 2015, 256, 252-256.	1.4	84
36	Multiple wave solutions and auto-BÃcklund transformation for the generalized B-type Kadomtsevâ€Petviashvili equation. Computers and Mathematics With Applications, 2015, 70, 765-775.	1.4	13

#	ARTICLE	IF	CITATIONS
37	A Wronskian formulation of the (3 + 1)-dimensional generalized BKP equation. <i>Physica Scripta</i> , 2013, 88, 015002.	1.2	6
38	Quasiperiodic waves and asymptotic behavior for the nonisospectral and variable-coefficient KdV equation. , 2013, , .		0
39	Riemann theta function periodic wave solutions for the variable-coefficient mKdV equation. <i>Chinese Physics B</i> , 2012, 21, 120203.	0.7	8
40	Generalized Wronskian solutions for the (3+1)-dimensional Jimboâ€“Miwa equation. <i>Applied Mathematics and Computation</i> , 2012, 219, 2601-2610.	1.4	21
41	Exact solutions and PainlevÃ© analysis of a new (2+1)-dimensional generalized KdV equation. <i>Nonlinear Dynamics</i> , 2012, 68, 445-458.	2.7	51
42	The exact traveling wave solutions to two integrable KdV6 equations. <i>Chinese Annals of Mathematics Series B</i> , 2012, 33, 179-190.	0.2	3
43	Resonance of solitons in a coupled higher-order Ito equation. <i>Journal of Mathematical Analysis and Applications</i> , 2012, 394, 121-128.	0.5	13
44	A note to the integrable discretization of the mKdV and SchrÃ¶dinger equations. <i>International Journal of Computer Mathematics</i> , 2011, 88, 3086-3092.	1.0	0
45	Solitary wave and chaotic behavior of traveling wave solutions for the coupled KdV equations. <i>Applied Mathematics and Computation</i> , 2011, 218, 1794-1797.	1.4	5
46	BÃcklund transformations and soliton solutions for the KdV6 equation. <i>Applied Mathematics and Computation</i> , 2011, 217, 6230-6236.	1.4	8
47	Wronskian and Grammian Solutions for (2 + 1)-Dimensional Soliton Equation. <i>Communications in Theoretical Physics</i> , 2011, 55, 20-24.	1.1	16
48	Positons, negatons and complexitons of the mKdV equation with non-uniformity terms. <i>Applied Mathematics and Computation</i> , 2010, 217, 1463-1469.	1.4	8
49	Component-trace identities for Hamiltonian structures. <i>Applicable Analysis</i> , 2010, 89, 457-472.	0.6	28
50	Soliton resonance of the NI-BKP equation. <i>AIP Conference Proceedings</i> , 2010, , .	0.3	3
51	Exact loop solutions, cusp solutions, solitary wave solutions and periodic wave solutions for the special CHâ€“DP equation. <i>Nonlinear Analysis: Real World Applications</i> , 2009, 10, 2502-2507.	0.9	31
52	Exact solutions to a coupled modified KdV equations with non-uniformity terms. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2009, 373, 3861-3866.	0.9	3
53	The long wave limiting of the discrete nonlinear evolution equations. <i>Chaos, Solitons and Fractals</i> , 2009, 42, 2965-2972.	2.5	3
54	A note on â€œThe integrable KdV6 equation: Multiple soliton solutions and multiple singular soliton solutionsâ€“. <i>Applied Mathematics and Computation</i> , 2009, 214, 1-3.	1.4	165

#	ARTICLE	IF	CITATIONS
55	On the nonisospectral modified Kadomtsev-Pevashvili equation. Journal of Mathematical Analysis and Applications, 2008, 342, 534-541.	0.5	14
56	Periodic wave solutions of the Boussinesq equation. Journal of Physics A: Mathematical and Theoretical, 2007, 40, 5539-5549.	0.7	36
57	The exact solution to Boussinesq equation through a limiting procedure. Physica A: Statistical Mechanics and Its Applications, 2007, 373, 174-182.	1.2	1
58	The exact solutions to the complex KdV equation. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 367, 465-472.	0.9	15
59	A direct method for deriving a multisoliton solution to the fifth order KdV equation. Chaos, Solitons and Fractals, 2006, 29, 1188-1193.	2.5	8
60	A new representation of N-soliton solution and limiting solutions for the fifth order KdV equation. Chaos, Solitons and Fractals, 2005, 23, 1055-1061.	2.5	7
61	A modified Bäcklund transformation and multi-soliton solution for the Boussinesq equation. Chaos, Solitons and Fractals, 2005, 23, 175-181.	2.5	27
62	A new representation of N-soliton solution and limiting solutions for the fifth order KdV equation. Chaos, Solitons and Fractals, 2005, 23, 1055-1061.	2.5	3
63	New N-soliton solutions for the sawada-kotera equation. Journal of Shanghai University, 2004, 8, 132-133.	0.1	0
64	Bäcklund transformation and soliton solutions for the shallow water waves equation. Chaos, Solitons and Fractals, 2004, 20, 343-351.	2.5	32
65	The N-soliton solutions for the non-isospectral mKdV equation. Physica A: Statistical Mechanics and Its Applications, 2004, 339, 228-236.	1.2	26
66	A modified Bäcklund transformation and multi-soliton solution for the Boussinesq equation. Chaos, Solitons and Fractals, 2004, 23, 175-175.	2.5	0
67	The Novel Multi-Soliton Solutions of Equation for Shallow Water Waves. Journal of the Physical Society of Japan, 2003, 72, 763-764.	0.7	12