

# Yu-Feng Zhang

## List of Publications by Year in descending order

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56  
papers

521  
citations

687363

13  
h-index

752698

20  
g-index

58  
all docs

58  
docs citations

58  
times ranked

269  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Multiple rogue wave solutions for a (3+1)-dimensional Hirota bilinear equation. Applied Mathematics Letters, 2019, 98, 184-190.	2.7	37
3	Lump, periodic lump and interaction lump stripe solutions to the (2+1)-dimensional B-type Kadomtsevâ€“Petviashvili equation. Modern Physics Letters B, 2018, 32, 1850106.	1.9	34
4	Symmetry properties and explicit solutions of some nonlinear differential and fractional equations. Applied Mathematics and Computation, 2018, 337, 408-418.	2.2	33
5	Analytical study of exact solutions of the nonlinear Kortewegâ€“de Vries equation with spaceâ€“time fractional derivatives. Modern Physics Letters B, 2018, 32, 1850012.	1.9	25
6	Resonant multiple wave solutions, complexiton solutions and rogue waves of a generalized (3+1)-dimensional nonlinear wave in liquid with gas bubbles. Waves in Random and Complex Media, 2020, 30, 470-480.	2.7	20
7	New periodic wave solutions of (3+1)-dimensional soliton equation. Thermal Science, 2017, 21, 169-176.	1.1	20
8	Families of exact solutions of the generalized (3+1)-dimensional nonlinear-wave equation. Modern Physics Letters B, 2018, 32, 1850359.	1.9	19
9	Some Exact Solutions and Conservation Laws of the Coupled Time-Fractional Boussinesq-Burgers System. Symmetry, 2019, 11, 77.	2.2	17
10	Exact traveling wave solutions for a new nonlinear heat transfer equation. Thermal Science, 2017, 21, 1833-1838.	1.1	17
11	Complexiton and resonant multiple wave solutions to the (2+1)-dimensional Konopelchenkoâ€“Dubrovsky equation. Computers and Mathematics With Applications, 2018, 76, 845-853.	2.7	16
12	Non-linear Dynamics and Exact Solutions for the Variable-Coefficient Modified Kortewegâ€“de Vries Equation. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2018, 73, 143-149.	1.5	14
13	Topological soliton solutions for three shallow water waves models. Waves in Random and Complex Media, 2018, 28, 508-515.	2.7	14
14	Multiple rogue wave solutions of the (3+1)-dimensional Kadomtsevâ€“Petviashviliâ€“Boussinesq equation. Zeitschrift Fur Angewandte Mathematik Und Physik, 2019, 70, 1.	1.4	13
15	Line Soliton Interactions for Shallow Ocean Waves and Novel Solutions with Peakon, Ring, Conical, Columnar, and Lump Structures Based on Fractional KP Equation. Advances in Mathematical Physics, 2021, 2021, 1-15.	0.8	13
16	Two Nonisospectral Integrable Hierarchies and its Integrable Coupling. International Journal of Theoretical Physics, 2020, 59, 2529-2539.	1.2	10
17	A fractional Whitham-Broer-Kaup equation and its possible application to Tsunami prevention. Thermal Science, 2017, 21, 1847-1855.	1.1	10
18	MULTIPLE EXACT SOLUTIONS OF THE GENERALIZED TIME FRACTIONAL FOAM DRAINAGE EQUATION. Fractals, 2020, 28, 2050062.	3.7	9

#	ARTICLE	IF	CITATIONS
19	A short review on analytical methods for fractional equations with heâ€™s fractional derivative. Thermal Science, 2017, 21, 1567-1574.	1.1	9
20	Fifth-order b-family Novikov (FObFN) model with pseudo-peakons and multi-peakons. Modern Physics Letters B, 2019, 33, 1950205.	1.9	8
21	Application of the $\partial$ -dressing method to a $(2+1)$ -dimensional equation. Theoretical and Mathematical Physics(Russian Federation), 2021, 209, 1717-1725.	0.9	8
22	Multiple breathers and high-order rational solutions of the new generalized $(3+1)$ -dimensional Kadomtsevâ€™Petviashvili equation. European Physical Journal Plus, 2020, 135, 1.	2.6	7
23	Riemannâ€™Hilbert approach for multi-soliton solutions of a fourth-order nonlinear SchrÃ¶dinger equation. Modern Physics Letters B, 2019, 33, 1950416.	1.9	6
24	New exact solutions for the $(3+1)$ $(3 + 1)$ -dimensional potential-YTSF equation by symbolic calculation. Pramana - Journal of Physics, 2019, 92, 1.	1.8	6
25	High-order rogue waves of the generalized $(3+1)$ -dimensional nonlinear wave in liquid with gas bubbles. European Physical Journal Plus, 2020, 135, 1.	2.6	6
26	Shallow water waves in porous medium for coast protection. Thermal Science, 2017, 21, 145-151.	1.1	6
27	Upon Generating Discrete Expanding Integrable Models of the Toda Lattice Systems and Infinite Conservation Laws. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2017, 72, 77-86.	1.5	5
28	Optical soliton solutions, explicit power series solutions and linear stability analysis of the quintic derivative nonlinear SchrÃ¶dinger equation. Optical and Quantum Electronics, 2019, 51, 1.	3.3	5
29	Optimal systems, similarity reductions and new conservation laws for the classical Boussinesqâ€™Burgers system. European Physical Journal Plus, 2020, 135, 1.	2.6	5
30	Self-adjointness and conservation laws of Burgers-type equations. Modern Physics Letters B, 2021, 35, 2150161.	1.9	5
31	A New Application of the $\partial$ -Method. Journal of Nonlinear Mathematical Physics, 2021, 28, 492-506.	1.3	5
32	Spectral analysis and long-time asymptotics of complex mKdV equation. Journal of Mathematical Physics, 2022, 63, .	1.1	5
33	Time-fractional Drinfeld-Sokolov-Wilson system: Lie symmetry analysis, analytical solutions and conservation laws. European Physical Journal Plus, 2019, 134, 1.	2.6	4
34	Generalized Darboux transformation, semi-rational solutions and novel degenerate soliton solutions for a coupled nonlinear SchrÃ¶dinger equation. European Physical Journal Plus, 2021, 136, 1.	2.6	4
35	A Kind of Generalized Integrable Couplings and Their Bi-Hamiltonian Structure. International Journal of Theoretical Physics, 2021, 60, 1797-1812.	1.2	4
36	A nonisospectral integrable model of AKNS hierarchy and KN hierarchy, as well as its extended system. International Journal of Geometric Methods in Modern Physics, 2021, 18, 2150156.	2.0	4

#	ARTICLE	IF	CITATIONS
37	Analytical methods for non-linear fractional Kolmogorov-Petrovskii-Piskunov equation: Soliton solution and operator solution. <i>Thermal Science</i> , 2021, 25, 2161-2168.	1.1	4
38	Abundant rogue wave solutions for the $(2\hat{A}+1)$ -dimensional generalized Korteweg-de Vries equation. <i>International Journal of Nonlinear Sciences and Numerical Simulation</i> , 2021, 22, 999-1010.	1.0	4
39	Periodic and decay mode solutions of the generalized variable-coefficient Korteweg-de Vries equation. <i>Modern Physics Letters B</i> , 2019, 33, 1950234.	1.9	3
40	Lie symmetry analysis, analytical solutions and conservation laws to the coupled time fractional variant Boussinesq equations. <i>Waves in Random and Complex Media</i> , 2021, 31, 182-197.	2.7	3
41	Partial-dressing method for a few $(2+1)$ -dimensional integrable coupling systems. <i>Theoretical and Mathematical Physics(Russian Federation)</i> , 2021, 208, 1239-1255.	0.9	3
42	Variational iteration method for two fractional systems with boundary conditions. <i>Thermal Science</i> , 2022, 26, 2653-2661.	1.1	3
43	Robust Suboptimal Control of HiMAT Vehicle Based on Improved Genetic Algorithm. , 2010, , .		2
44	Some exact solutions and infinite conservation laws of an extended KdV integrable system. <i>Modern Physics Letters B</i> , 2020, 34, 2050285.	1.9	2
45	Fractional Rogue Waves with Translational Coordination, Steep Crest, and Modified Asymmetry. <i>Complexity</i> , 2021, 2021, 1-14.	1.6	2
46	Integrability and lump-type solutions to the 3-D Kadomtsev-Petviashvili-Boussinesq-like equation. <i>Thermal Science</i> , 2019, 23, 2373-2380.	1.1	2
47	Dynamics of breather waves and rogue waves on a soliton background in the coupled Hirota systems. <i>Mathematical Methods in the Applied Sciences</i> , 2020, 43, 799-807.	2.3	1
48	Residual Symmetries and Bäcklund Transformations of $(2\hat{A}+1)$ -Dimensional Strongly Coupled Burgers System. <i>Advances in Mathematical Physics</i> , 2020, 2020, 1-8.	0.8	1
49	Breathers and multiple rogue waves solutions of the $(3+1)$ -dimensional Jimbo-Miwa equation. <i>Modern Physics Letters B</i> , 2021, 35, 2150183.	1.9	1
50	Some symmetries and similarity solutions of the long-water wave hierarchy. <i>Modern Physics Letters B</i> , 2019, 33, 1950430.	1.9	0
51	Nonlinear dynamics behavior of the $(2+1)$ -dimensional Sawada-Kotera equation. <i>Modern Physics Letters B</i> , 2019, 33, 1950355.	1.9	0
52	On the time-fractional coupled Burger equation: Lie symmetry reductions, approximate solutions and conservation laws. <i>Waves in Random and Complex Media</i> , 0, , 1-16.	2.7	0
53	Conservation laws of some multi-component integrable systems. <i>Modern Physics Letters B</i> , 2021, 35, 2150405.	1.9	0
54	A new approach for finding standard heat equation and a special Newell-whitehead equation. <i>Thermal Science</i> , 2019, 23, 1629-1636.	1.1	0

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55	Dynamics of abundant solutions to the generalized (3+1)-dimensional B-type Kadomtsev-Petviashvili equation. <i>Modern Physics Letters B</i> , 2021, 35, 2150110.	1.9	0
56	Several Isospectral and Non-Isospectral Integrable Hierarchies of Evolution Equations. <i>Symmetry</i> , 2022, 14, 402.	2.2	0