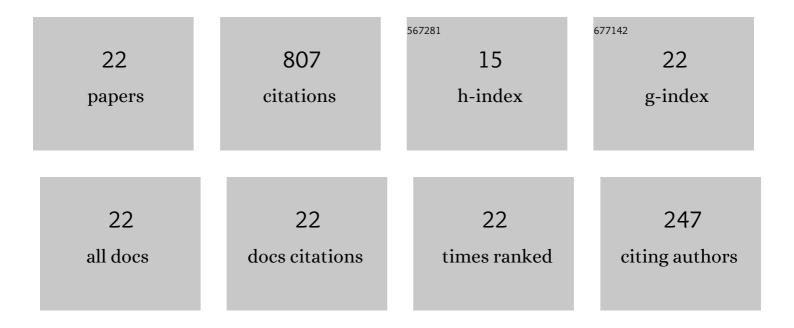
## Cheng-shi Liu

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/1754814/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Applications of complete discrimination system for polynomial for classifications of traveling wave solutions to nonlinear differential equations. Computer Physics Communications, 2010, 181, 317-324.	7.5	228
2	Counterexamples on Jumarie's two basic fractional calculus formulae. Communications in Nonlinear Science and Numerical Simulation, 2015, 22, 92-94.	3.3	71
3	Trial Equation Method Based on Symmetry andÂApplications to Nonlinear Equations Arising inÂMathematical Physics. Foundations of Physics, 2011, 41, 793-804.	1.3	60
4	Exponential function rational expansion method for nonlinear differential–difference equations. Chaos, Solitons and Fractals, 2009, 40, 708-716.	5.1	53
5	Counterexamples on Jumarie's three basic fractional calculus formulae for non-differentiable continuous functions. Chaos, Solitons and Fractals, 2018, 109, 219-222.	5.1	44
6	New Exact Envelope Traveling Wave Solutions of High-Order Dispersive Cubic-Quintic Nonlinear SchrĶdinger Equation. Communications in Theoretical Physics, 2005, 44, 799-801.	2.5	43
7	The essence of the homotopy analysis method. Applied Mathematics and Computation, 2010, 216, 1299-1303.	2.2	39
8	Canonical-like transformation method and exact solutions to a class of diffusion equations. Chaos, Solitons and Fractals, 2009, 42, 441-446.	5.1	38
9	Two model equations with a second degree logarithmic nonlinearity and their Gaussian solutions. Communications in Theoretical Physics, 2021, 73, 045007.	2.5	35
10	Exactly solving some typical Riemann–Liouville fractional models by a general method of separation of variables. Communications in Theoretical Physics, 2020, 72, 055006.	2.5	33
11	The essence of the generalized Newton binomial theorem. Communications in Nonlinear Science and Numerical Simulation, 2010, 15, 2766-2768.	3.3	28
12	The essence of the generalized Taylor theorem as the foundation of the homotopy analysis method. Communications in Nonlinear Science and Numerical Simulation, 2011, 16, 1254-1262.	3.3	26
13	The renormalization method based on the Taylor expansion and applications for asymptotic analysis. Nonlinear Dynamics, 2017, 88, 1099-1124.	5.2	26
14	COMPARISON OF A GENERAL SERIES EXPANSION METHOD AND THE HOMOTOPY ANALYSIS METHOD. Modern Physics Letters B, 2010, 24, 1699-1706.	1.9	16
15	The renormalization method from continuous to discrete dynamical systems: asymptotic solutions, reductions and invariant manifolds. Nonlinear Dynamics, 2018, 94, 873-888.	5.2	16
16	The Gaussian soliton in the Fermi–Pasta–Ulam chain. Nonlinear Dynamics, 2021, 106, 899-905.	5.2	16
17	On the local fractional derivative of everywhere non-differentiable continuous functions on intervals. Communications in Nonlinear Science and Numerical Simulation, 2017, 42, 229-235.	3.3	13
18	MAXIMAL NON-SYMMETRIC ENTROPY LEADS NATURALLY TO ZIPF'S LAW. Fractals, 2008, 16, 99-101.	3.7	6

Cheng-shi Liu

#	Article	IF	CITATIONS
19	Nonsymmetric entropy and maximum nonsymmetric entropy principle. Chaos, Solitons and Fractals, 2009, 40, 2469-2474.	5.1	5
20	How many first integrals imply integrability in infinite-dimensional Hamilton system. Reports on Mathematical Physics, 2011, 67, 109-123.	0.8	5
21	Ornstein–Uhlenbeck process, Cauchy process, and Ornstein–Uhlenbeck–Cauchy process on a circle. Applied Mathematics Letters, 2013, 26, 957-962.	2.7	3
22	The renormalization method for singular perturbation of solitons. Chaos, Solitons and Fractals, 2022, 158, 112074.	5.1	3