Cheng-shi Liu

List of Publications by Year
in descending order

22	807	567281 15	677142 22
papers	citations	h-index	g-index

22	22	22	247
all docs	docs citations	times ranked	citing authors

#	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 Jumarieâ€™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 differentialâ€“difference equations. Chaos, Solitons and Fractals, 2009, 40, 708-716.	5.1	53
5	Counterexamples on Jumarieâ€™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 SchrÃ¶dinger 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 Riemannâ€“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 Fermiâ€“Pastaâ€“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

#	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	Ornsteinâ€“Uhlenbeck process, Cauchy process, and Ornsteinâ€“Uhlenbeckâ€“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