Gui-qiong Xu

List of Publications by Year
in descending order

41 papers	**1,020** citations	393982 **19** h-index	433756 **31** g-index
41 all docs	**41** docs citations	**41** times ranked	**394** citing authors

#	Article	IF	Citations
1	Symbolic computation of the Painlevé test for nonlinear partial differential equations using Maple. Computer Physics Communications, 2004, 161, 65-75.	3.0	72
2	Exact travelling wave solutions of the Whitham–Broer–Kaup and Broer–Kaup–Kupershmidt equations. Chaos, Solitons and Fractals, 2005, 24, 549-556.	2.5	71
3	Painlevé analysis, lump-kink solutions and localized excitation solutions for the (3+1)-dimensional Boiti–Leon–Manna–Pempinelli equation. Applied Mathematics Letters, 2019, 97, 81-87.	1.5	58
4	The soliton solutions, dromions of the Kadomtsev–Petviashvili and Jimbo–Miwa equations in (3+1)-dimensions. Chaos, Solitons and Fractals, 2006, 30, 71-76.	2.5	56
5	Bidirectional solitons and interaction solutions for a new integrable fifth-order nonlinear equation with temporal and spatial dispersion. Nonlinear Dynamics, 2020, 101, 581-595.	2.7	53
6	Kadomtsev–Petviashvili hierarchy: two integrable equations with time-dependent coefficients. Nonlinear Dynamics, 2020, 100, 3711-3716.	2.7	49
7	Integrability aspects and localized wave solutions for a new $\mathbf{(4+1)}$-dimensional Boiti–Leon–Manna–Pempinelli equation. Nonlinear Dynamics, 2019, 98, 1379-1390.	2.7	44
8	Characteristics of integrability, bidirectional solitons and localized solutions for a ($$3+1$$ 3 + 1) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.7	44
9	Painlevé classification of a generalized coupled Hirota system. Physical Review E, 2006, 74, 027602.	0.8	39
10	An extended modified KdV equation and its Painlevé integrability. Nonlinear Dynamics, 2016, 86, 1455-1460.	2.7	37
11	Integrability of a (2+1)-dimensional generalized breaking soliton equation. Applied Mathematics Letters, 2015, 50, 16-22.	1.5	36
12	New types of exact solutions for the fourth-order dispersive cubic–quintic nonlinear Schrödinger equation. Applied Mathematics and Computation, 2011, 217, 5967-5971.	1.4	35
13	Group decision making with incomplete intuitionistic fuzzy preference relations based on additive consistency. Computers and Industrial Engineering, 2019, 135, 560-567.	3.4	34
14	Negative–order modified KdV equations: multiple soliton and multiple singular soliton solutions. Mathematical Methods in the Applied Sciences, 2016, 39, 661-667.	1.2	31
15	A dynamic weighted TOPSIS method for identifying influential nodes in complex networks. Modern Physics Letters B, 2018, 32, 1850216.	1.0	30
16	Bright, dark and Gaussons optical solutions for fourth-order Schrödinger equations with cubic–quintic and logarithmic nonlinearities. Optik, 2020, 202, 163564.	1.4	26
17	Modified Kadomtsev–Petviashvili Equation in (3+1) Dimensions: Multiple Front-Wave Solutions. Communications in Theoretical Physics, 2015, 63, 727-730.	1.1	21
18	Painlevé analysis, integrability and exact solutions for a (2 + 1)-dimensional generalized Nizhnik-Novikov-Veselov equation. European Physical Journal Plus, 2016, 131, 1.	1.2	20

#	Article	IF	Citations
19	An adaptive heuristic clustering algorithm for influence maximization in complex networks. Chaos, 2020, 30, 093106.	1.0	20
20	A novel potential edge weight method for identifying influential nodes in complex networks based on neighborhood and position. Journal of Computational Science, 2022, 60, 101591.	1.5	20
21	The integrability for a generalized seventh-order KdV equation: Painlevé property, soliton solutions, Lax pairs and conservation laws. Physica Scripta, 2014, 89, 125201.	1.2	18
22	A Novel Community Detection Algorithm Based on Local Similarity of Clustering Coefficient in Social Networks. IEEE Access, 2019, 7, 121586-121598.	2.6	18
23	Painlevé integrability of a generalized fifth-order KdV equation with variable coefficients: Exact solutions and their interactions. Chinese Physics B, 2013, 22, 050203.	0.7	17
24	TNS-LPA: An Improved Label Propagation Algorithm for Community Detection Based on Two-Level Neighbourhood Similarity. IEEE Access, 2021, 9, 23526-23536.	2.6	17
25	A note on the Painlevé test for nonlinear variable-coefficient PDEs. Computer Physics Communications, 2009, 180, 1137-1144.	3.0	16
26	On the Painlevé integrability, periodic wave solutions and soliton solutions of generalized coupled higher-order nonlinear Schrödinger equations. Chaos, Solitons and Fractals, 2005, 26, 1363-1375.	2.5	14
27	Searching for Painlevé integrable conditions of nonlinear PDEs with constant parameters using symbolic computation. Computer Physics Communications, 2008, 178, 505-517.	3.0	14
28	New Variable Separation Solutions for Two Nonlinear Evolution Equations in Higher Dimensions. Chinese Physics Letters, 2013, 30, 030202.	1.3	14
29	Painlevé analysis, integrability property and multiwave interaction solutions for a new (4+1)-dimensional KdV–Calogero–Bogoyavlenkskii–Schiff equation. Applied Mathematics Letters, 2022, 132, 108184.	1.5	13
30	CPR-TOPSIS: A novel algorithm for finding influential nodes in complex networks based on communication probability and relative entropy. Physica A: Statistical Mechanics and Its Applications, 2022, 603, 127797.	1.2	13
31	Multi-Attribute Decision-Making Approach Based on Dual Hesitant Fuzzy Information Measures and Their Applications. Mathematics, 2019, 7, 786.	1.1	12
32	Multi-attribute ranking method for identifying key nodes in complex networks based on GRA. International Journal of Modern Physics B, 2018, 32, 1850363.	1.0	11
33	New bilinearization, Bäcklund transformation and infinite conservation laws for the KdV6 equation with Bell polynomials. Mathematical Methods in the Applied Sciences, 2016, 39, 2716-2721.	1.2	10
34	LCH: A local clustering H-index centrality measure for identifying and ranking influential nodes in complex networks*. Chinese Physics B, 2021, 30, 088901.	0.7	9
35	PDEPtest: a package for the Painlevé test of nonlinear partial differential equations. Applied Mathematics and Computation, 2005, 169, 1364-1379.	1.4	8
36	GPN: A novel gravity model based on position and neighborhood to identify influential nodes in complex networks. International Journal of Modern Physics B, 2021, 35, 2150183.	1.0	6

#	Article	IF	Citations
37	An extended clustering method using H-index and minimum distance for searching multiple key spreaders. International Journal of Modern Physics C, 2019, 30, 1940008.	0.8	4
38	The Integrability of an Extended Fifth-Order KdV Equation in 2+1 Dimensions: Painlevé Property, Lax Pair, Conservation Laws, and Soliton Interactions. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2016, 71, 501-509.	0.7	3
39	An extended time-dependent KdV6 equation. International Journal of Numerical Methods for Heat and Fluid Flow, 2019, 29, 4205-4212.	1.6	3
40	SCL-WTNS: A new link prediction algorithm based on strength of community link and weighted two-level neighborhood similarity. International Journal of Modern Physics B, 2022, 36, .	1.0	3
41	Decay Mode Solutions for the Supersymmetric Cylindrical KdV Equation. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2016, 71, 577-581.	0.7	1