

# Jin Wei Yang

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

122  
papers

3,425  
citations

35  
h-index

53  
g-index

128  
ext. papers

3,730  
ext. citations

3.2  
avg, IF

6.4  
L-index

#	Paper	IF	Citations
122	On a vortex filament with the axial velocity. <i>Chaos, Solitons and Fractals</i> , <b>2022</b> , 154, 111574	9.3	
121	Wronskian, Gramian, Pfaffian and periodic-wave solutions for a (3+1)-dimensional generalized nonlinear evolution equation arising in the shallow water waves. <i>Nonlinear Dynamics</i> , <b>2022</b> , 108, 1599-1616	5.6	10
120	Hybrid waves for a (2 + 1)-dimensional extended shallow water wave equation. <i>Physics of Fluids</i> , <b>2021</b> , 33, 117120	4.4	4
119	Bilinear form, solitons, breathers, lumps and hybrid solutions for a (3+1)-dimensional Date-Jimbo-Kashiwara-Miwa equation. <i>Nonlinear Dynamics</i> , <b>2021</b> , 104, 1519-1531	5	34
118	Painlevé analysis, Lie group analysis and soliton-cnoidal, resonant, hyperbolic function and rational solutions for the modified Korteweg-de Vries-Calogero-Bogoyavlenskii-Schiff equation in fluid mechanics/plasma physics. <i>Chaos, Solitons and Fractals</i> , <b>2021</b> , 144, 110559	9.3	49
117	Higher-order hybrid waves for the (2 + 1)-dimensional Boiti-Leon-Manna-Pempinelli equation for an irrotational incompressible fluid via the modified Pfaffian technique. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , <b>2021</b> , 72, 1	1.6	47
116	Periodic-wave solutions and asymptotic properties for a (3+1)-dimensional generalized breaking soliton equation in fluids and plasmas. <i>Modern Physics Letters B</i> , <b>2021</b> , 35, 2150344	1.6	2
115	Lie group analysis and analytic solutions for a (2+1)-dimensional generalized Bogoyavlenskii-Konopelchenko equation in fluid mechanics and plasma physics. <i>European Physical Journal Plus</i> , <b>2021</b> , 136, 1	3.1	33
114	Lax pairs, infinite conservation laws, Darboux transformation, bilinear forms and solitonic interactions for a combined Calogero-Bogoyavlenskii-Schiff-type equation. <i>Applied Mathematics Letters</i> , <b>2021</b> , 114, 106702	3.5	39
113	Vector bright soliton interactions of the two-component AB system in a baroclinic fluid. <i>Chaos, Solitons and Fractals</i> , <b>2021</b> , 142, 110363	9.3	25
112	Bilinear form and solutions of a (3+1)-dimensional generalized nonlinear evolution equation for the shallow-water waves. <i>Applicable Analysis</i> , <b>2021</b> , 100, 1544-1556	0.8	13
111	Hybrid solutions for the (2+1)-dimensional variable-coefficient Caudrey-Dodd-Gibbon-Kotera-Sawada equation in fluid mechanics. <i>Chaos, Solitons and Fractals</i> , <b>2021</b> , 152, 111355	9.3	31
110	Bilinear form, solitons, breathers and lumps of a (3 + 1)-dimensional generalized Konopelchenko-Dubrovsky-Kaup-Kupershmidt equation in ocean dynamics, fluid mechanics and plasma physics. <i>European Physical Journal Plus</i> , <b>2020</b> , 135, 1	3.1	55
109	Lax pair, conservation laws, Darboux transformation, breathers and rogue waves for the coupled nonautonomous nonlinear Schrödinger system in an inhomogeneous plasma. <i>Chaos, Solitons and Fractals</i> , <b>2020</b> , 133, 109580	9.3	56
108	Bilinear form, soliton, breather, lump and hybrid solutions for a ((varvec{2+1}))-dimensional Sawada-Kotera equation. <i>Nonlinear Dynamics</i> , <b>2020</b> , 100, 2729-2738	5	75
107	Solitons and periodic waves for the (2 + 1)-dimensional generalized Caudrey-Dodd-Gibbon-Kotera-Sawada equation in fluid mechanics. <i>Nonlinear Dynamics</i> , <b>2020</b> , 99, 1039-1052	5	79
106	The higher-order lump, breather and hybrid solutions for the generalized Konopelchenko-Dubrovsky-Kaup-Kupershmidt equation in fluid mechanics. <i>Nonlinear Dynamics</i> , <b>2020</b> , 102, 1773-1786	5	5

105	Vector semirational rogue waves for the coupled nonlinear Schrödinger equations with the higher-order effects in the elliptically birefringent optical fiber. <i>Waves in Random and Complex Media</i> , <b>2020</b> , 30, 65-80	1.9	6
104	Soliton interactions of a variable-coefficient three-component AB system for the geophysical flows. <i>Modern Physics Letters B</i> , <b>2019</b> , 33, 1950354	1.6	61
103	Quintic time-dependent-coefficient derivative nonlinear Schrödinger equation in hydrodynamics or fiber optics: bilinear forms and dark/anti-dark/gray solitons. <i>Nonlinear Dynamics</i> , <b>2019</b> , 98, 269-282	5	75
102	Bilinear forms, modulational instability and dark solitons for a fifth-order variable-coefficient nonlinear Schrödinger equation in an inhomogeneous optical fiber. <i>Applied Mathematics and Computation</i> , <b>2019</b> , 352, 270-278	2.7	8
101	Breathers and rogue waves on the periodic background for the Gerdjikov-Ivanov equation for the Alfvén waves in an astrophysical plasma. <i>Chaos, Solitons and Fractals</i> , <b>2019</b> , 120, 259-265	9.3	47
100	Breather and hybrid solutions for a generalized (3 + 1)-dimensional B-type Kadomtsev-Petviashvili equation for the water waves. <i>Nonlinear Dynamics</i> , <b>2019</b> , 97, 2023-2040	5	75
99	Solitary waves, breathers, and rogue waves modulated by long waves for a model of a baroclinic shear flow. <i>Physical Review E</i> , <b>2019</b> , 100, 042210	2.4	75
98	On the quintic time-dependent coefficient derivative nonlinear Schrödinger equation in hydrodynamics or fiber optics. <i>Nonlinear Dynamics</i> , <b>2019</b> , 96, 229-241	5	51
97	Darboux transformations and rogue wave solutions of a generalized AB system for the geophysical flows. <i>Applied Mathematics Letters</i> , <b>2019</b> , 88, 201-208	3.5	105
96	Lax pair, infinitely-many conservation laws and soliton solutions for a set of the time-dependent Whitham-Broer-Kaup equations for the shallow water. <i>Waves in Random and Complex Media</i> , <b>2019</b> , 29, 19-33	1.9	1
95	Integrability and solitons for the higher-order nonlinear Schrödinger equation with space-dependent coefficients in an optical fiber. <i>European Physical Journal Plus</i> , <b>2018</b> , 133, 1	3.1	20
94	Bright and dark solitons for a variable-coefficient ((2+1)) dimensional Heisenberg ferromagnetic spin chain equation. <i>Optical and Quantum Electronics</i> , <b>2018</b> , 50, 1	2.4	2
93	The Nth-order bright and dark solitons for the higher-order nonlinear Schrödinger equation in an optical fiber. <i>Superlattices and Microstructures</i> , <b>2018</b> , 120, 697-719	2.8	13
92	Solitons for a (2+1)-dimensional coupled nonlinear Schrödinger system with time-dependent coefficients in an optical fiber. <i>Waves in Random and Complex Media</i> , <b>2018</b> , 28, 708-723	1.9	23
91	Bäcklund transformation, infinitely-many conservation laws, solitary and periodic waves of an extended (3 + 1)-dimensional Jimbo-Miwa equation with time-dependent coefficients. <i>Waves in Random and Complex Media</i> , <b>2018</b> , 28, 468-487	1.9	32
90	Soliton dynamics for a nonintegrable model of light-colloid interactive fluids. <i>Nonlinear Dynamics</i> , <b>2018</b> , 91, 29-38	5	36
89	Soliton and breather interactions for a coupled system. <i>European Physical Journal Plus</i> , <b>2018</b> , 133, 1	3.1	31
88	Solitons and quasi-periodic behaviors in an inhomogeneous optical fiber. <i>Communications in Nonlinear Science and Numerical Simulation</i> , <b>2017</b> , 42, 477-490	3.7	36

87	Solitons, breathers and rogue waves for a sixth-order variable-coefficient nonlinear Schrödinger equation in an ocean or optical fiber. <i>European Physical Journal Plus</i> , <b>2017</b> , 132, 1	3.1	23
86	Breathers and rogue waves in a Heisenberg ferromagnetic spin chain or an alpha helical protein. <i>Communications in Nonlinear Science and Numerical Simulation</i> , <b>2017</b> , 48, 340-349	3.7	3
85	Bilinear forms and solitons for a generalized sixth-order nonlinear Schrödinger equation in an optical fiber. <i>European Physical Journal Plus</i> , <b>2017</b> , 132, 1	3.1	40
84	Lattice Boltzmann model for a generalized Gardner equation with time-dependent variable coefficients. <i>Applied Mathematical Modelling</i> , <b>2017</b> , 46, 126-140	4.5	23
83	Solitons and integrability for a (2+1)-dimensional generalized variable-coefficient shallow water wave equation. <i>Modern Physics Letters B</i> , <b>2017</b> , 31, 1750012	1.6	4
82	Solitons for a generalized sixth-order variable-coefficient nonlinear Schrödinger equation for the attosecond pulses in an optical fiber. <i>Communications in Nonlinear Science and Numerical Simulation</i> , <b>2017</b> , 50, 128-141	3.7	46
81	Solitons for the (3+1)-dimensional variable-coefficient coupled nonlinear Schrödinger equations in an optical fiber. <i>Superlattices and Microstructures</i> , <b>2017</b> , 109, 345-359	2.8	33
80	Solitons for a (2+1)-dimensional Sawada-Kotera equation via the Wronskian technique. <i>Applied Mathematics Letters</i> , <b>2017</b> , 74, 193-198	3.5	19
79	Nonlinear wave solutions for an integrable sixth-order nonlinear Schrödinger equation in an optical fiber. <i>Optik</i> , <b>2017</b> , 144, 685-697	2.5	4
78	Rogue waves in baroclinic flows. <i>Theoretical and Mathematical Physics(Russian Federation)</i> , <b>2017</b> , 191, 725-737	0.7	1
77	Integrability, solitons, periodic and travelling waves of a generalized (3+1)-dimensional variable-coefficient nonlinear-wave equation in liquid with gas bubbles. <i>European Physical Journal Plus</i> , <b>2017</b> , 132, 1	3.1	65
76	Rogue waves, breather-to-soliton transitions and modulational instability for the nonlinear Schrödinger equation with octic operator in an optical fiber. <i>Optik</i> , <b>2017</b> , 142, 90-102	2.5	14
75	Breathers and rogue waves for an eighth-order variable-coefficient nonlinear Schrödinger equation in an ocean or optical fiber. <i>Waves in Random and Complex Media</i> , <b>2017</b> , 27, 544-561	1.9	5
74	Soliton-like, periodic wave and rational solutions for a (3 + 1)-dimensional Boiti-Leon-Manna-Pempinelli equation in the incompressible fluid. <i>Superlattices and Microstructures</i> , <b>2017</b> , 102, 273-283	2.8	19
73	Breathers, quasi-periodic and travelling waves for a generalized -dimensional Yu-Toda-Sasa-Fukayama equation in fluids. <i>Waves in Random and Complex Media</i> , <b>2017</b> , 27, 458-481	1.9	7
72	Solitons for a (2+1)-dimensional variable-coefficient Bogoyavlensky-Konopelchenko equation in a fluid. <i>Modern Physics Letters B</i> , <b>2017</b> , 31, 1750216	1.6	9
71	Investigation on the behaviors of the soliton solutions for a variable-coefficient generalized AB system in the geophysical flows. <i>Modern Physics Letters B</i> , <b>2017</b> , 31, 1750254	1.6	2
70	Wronskian, Pfaffian and periodic wave solutions for a ((2 + 1))-dimensional extended shallow water wave equation. <i>Nonlinear Dynamics</i> , <b>2017</b> , 89, 2855-2866	5	40

69	Solitons, Bäcklund transformation and Lax pair for a (2+1)-dimensional Broer-Kaup-Kupershmidt system in the shallow water of uniform depth. <i>Communications in Nonlinear Science and Numerical Simulation</i> , <b>2017</b> , 44, 360-372	3.7	49
68	Solitons and dromion-like structures in an inhomogeneous optical fiber. <i>Nonlinear Dynamics</i> , <b>2017</b> , 87, 851-862	5	16
67	Bilinear Bäcklund transformation, soliton and periodic wave solutions for a $(3 + 1)$ -dimensional variable-coefficient generalized shallow water wave equation. <i>Nonlinear Dynamics</i> , <b>2017</b> , 87, 2529-2540	5	70
66	Solitons, Bäcklund transformation and Lax pair for a variable-coefficient generalized Boussinesq system in the shallow water. <i>Waves in Random and Complex Media</i> , <b>2017</b> , 27, 255-264	1.9	4
65	Higher-order rogue waves with new spatial distributions for the $(2 + 1)$ -dimensional two-component long-wave-short-wave resonance interaction system. <i>European Physical Journal Plus</i> , <b>2016</b> , 131, 1	3.1	5
64	Solitons, Bäcklund transformation and Lax pair for a (2+1)-dimensional B-type Kadomtsev-Petviashvili equation in the fluid/plasma mechanics. <i>Modern Physics Letters B</i> , <b>2016</b> , 30, 1650265	1.6	35
63	Bäcklund Transformation and Soliton Solutions for a (3+1)-Dimensional Variable-Coefficient Breaking Soliton Equation. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , <b>2016</b> , 71, 797-805	1.4	9
62	Periodic wave, breather wave and travelling wave solutions of a $(2 + 1)$ -dimensional B-type Kadomtsev-Petviashvili equation in fluids or plasmas. <i>European Physical Journal Plus</i> , <b>2016</b> , 131, 1	3.1	29
61	Rational solutions for a (2+1)-dimensional nonlinear model in water waves generated by the Jaulent-Miodek hierarchy. <i>Computers and Mathematics With Applications</i> , <b>2016</b> , 72, 2685-2693	2.7	3
60	Exterior differential expression of the $(1 + 1)$ -dimensional nonlinear evolution equation with Lax integrability. <i>Journal of Mathematical Analysis and Applications</i> , <b>2016</b> , 435, 735-745	1.1	24
59	Rogue-wave solutions for an inhomogeneous nonlinear system in a geophysical fluid or inhomogeneous optical medium. <i>Communications in Nonlinear Science and Numerical Simulation</i> , <b>2016</b> , 36, 266-272	3.7	7
58	Lax Pair, Conservation Laws, Solitons, and Rogue Waves for a Generalised Nonlinear Schrödinger-Maxwell-Bloch System under the Nonlinear Tunneling Effect for an Inhomogeneous Erbium-Doped Silica Fibre. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , <b>2016</b> , 71, 797-805	1.4	3
57	Solitons, Bäcklund Transformation, Lax Pair, and Infinitely Many Conservation Law for a (2+1)-Dimensional Generalised Variable-Coefficient Shallow Water Wave Equation. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , <b>2016</b> , 71, 69-79	1.4	30
56	Lax pair, rogue-wave and soliton solutions for a variable-coefficient generalized nonlinear Schrödinger equation in an optical fiber, fluid or plasma. <i>Optical and Quantum Electronics</i> , <b>2016</b> , 48, 1	2.4	35
55	Bilinear forms and soliton solutions for a fourth-order variable-coefficient nonlinear Schrödinger equation in an inhomogeneous Heisenberg ferromagnetic spin chain or an alpha helical protein. <i>Physica B: Condensed Matter</i> , <b>2016</b> , 481, 148-155	2.8	39
54	Soliton and rogue-wave solutions for a $(2 + 1)$ -dimensional fourth-order nonlinear Schrödinger equation in a Heisenberg ferromagnetic spin chain. <i>Nonlinear Dynamics</i> , <b>2016</b> , 86, 369-380	5	7
53	Nonautonomous solitons and Wronskian solutions for the (3+1)-dimensional variable-coefficient forced Kadomtsev-Petviashvili equation in the fluid or plasma. <i>Applied Mathematics Letters</i> , <b>2016</b> , 61, 42-48	3.5	2
52	Solitons and Bäcklund transformation for a generalized (3+1)-dimensional variable-coefficient B-type Kadomtsev-Petviashvili equation in fluid dynamics. <i>Applied Mathematics Letters</i> , <b>2016</b> , 60, 96-100	3.5	31

51	Nonautonomous solitons in terms of the double Wronskian determinant for a variable-coefficient Gross-Pitaevskii equation in the Bose-Einstein condensate. <i>Modern Physics Letters B</i> , <b>2016</b> , 30, 1650103	1.6	9
50	Bilinear forms and dark-soliton solutions for a fifth-order variable-coefficient nonlinear Schrödinger equation in an optical fiber. <i>Modern Physics Letters B</i> , <b>2016</b> , 30, 1650312	1.6	16
49	Dark soliton interactions for a fifth-order nonlinear Schrödinger equation in a Heisenberg ferromagnetic spin chain. <i>Superlattices and Microstructures</i> , <b>2016</b> , 100, 191-197	2.8	12
48	Oscillations in the Interactions Among Multiple Solitons in an Optical Fibre. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , <b>2016</b> , 71, 1079-1091	1.4	13
47	Higher-Order Rogue Waves for a Fifth-Order Dispersive Nonlinear Schrödinger Equation in an Optical Fibre. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , <b>2015</b> , 70, 365-374	1.4	14
46	On a (3+1)-dimensional Boiti-Leon-Manna-Pempinelli Equation. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , <b>2015</b> , 70, 309-316	1.4	17
45	Anti-dark solitons for a variable-coefficient higher-order nonlinear Schrödinger equation in an inhomogeneous optical fiber. <i>Physica Scripta</i> , <b>2015</b> , 90, 045201	2.6	37
44	Solitons and Rogue Waves for a Higher-Order Nonlinear Schrödinger-Maxwell-Bloch System in an Erbium-Doped Fiber. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , <b>2015</b> , 70, 935-948	1.4	12
43	Nonautonomous Solitons for the Coupled Variable-Coefficient Cubic-Quintic Nonlinear Schrödinger Equations with External Potentials in the Non-Kerr Fibre. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , <b>2015</b> , 70, 985-994	1.4	1
42	Dark solitonic interaction and conservation laws for a higher-order (2+1)-dimensional nonlinear Schrödinger-type equation in a Heisenberg ferromagnetic spin chain with bilinear and biquadratic interaction. <i>Annals of Physics</i> , <b>2015</b> , 363, 440-456	2.5	32
41	Rogue waves for the generalized nonlinear Schrödinger-Maxwell-Bloch system in optical-fiber communication. <i>Applied Mathematics Letters</i> , <b>2015</b> , 40, 78-83	3.5	36
40	Multi-Soliton and Rational Solutions for the Extended Fifth-Order KdV Equation in Fluids. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , <b>2015</b> , 70, 559-566	1.4	4
39	Multi-soliton solutions for the three-coupled KdV equations engendered by the Neumann system. <i>Nonlinear Dynamics</i> , <b>2014</b> , 75, 701-708	5	65
38	Rogue-wave interaction of the generalized variable-coefficient Hirota-Maxwell-Bloch system in fiber optics. <i>Chaos, Solitons and Fractals</i> , <b>2014</b> , 69, 217-227	9.3	11
37	Rogue-wave interaction for a higher-order nonlinear Schrödinger-Maxwell-Bloch system in the optical-fiber communication. <i>Nonlinear Dynamics</i> , <b>2014</b> , 78, 2309-2318	5	20
36	Bilinear forms and soliton interactions for two generalized KdV equations for nonlinear waves. <i>Nonlinear Dynamics</i> , <b>2014</b> , 78, 349-357	5	5
35	Nonautonomous matter waves in a spin-1 Bose-Einstein condensate. <i>Physical Review E</i> , <b>2014</b> , 89, 062915	2.4	29
34	Multi-Soliton and Rogue-Wave Solutions of the Higher-Order Hirota System for an Erbium-Doped Nonlinear Fiber. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , <b>2014</b> , 69, 521-531	1.4	13

33	Multi-Soliton Solutions and Interaction for a Generalized Variable- Coefficient CalogeroBogoyavlenskiiSchiff Equation. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , <b>2014</b> , 69, 239-248	1.4	7
32	Integrable aspects and soliton interaction for a generalized inhomogeneous Gardner model with external force in plasmas and fluids. <i>Physical Review E</i> , <b>2013</b> , 88, 053204	2.4	4
31	Dark Bound Solitons and Soliton Chains for the Higher-Order Nonlinear Schrödinger Equation. <i>International Journal of Theoretical Physics</i> , <b>2013</b> , 52, 689-698	1.1	2
30	ANALYTICAL INVESTIGATION OF THE CAUDREYDODDIBBONKOTERAŞAWADA EQUATION USING SYMBOLIC COMPUTATION. <i>International Journal of Modern Physics B</i> , <b>2013</b> , 27, 1250124	1.1	3
29	Solitonic interactions, Darboux transformation and double Wronskian solutions for a variable-coefficient derivative nonlinear Schrödinger equation in the inhomogeneous plasmas. <i>Nonlinear Dynamics</i> , <b>2012</b> , 67, 713-722	5	23
28	Wronskian solutions and integrability for a generalized variable-coefficient forced Kortewegde Vries equation in fluids. <i>Nonlinear Dynamics</i> , <b>2012</b> , 67, 1023-1030	5	58
27	Multi-soliton solutions for the coupled nonlinear Schrödinger-type equations. <i>Nonlinear Dynamics</i> , <b>2012</b> , 70, 609-617	5	35
26	Analytic localized solitonic excitations for the (2+1)-dimensional variable-coefficient breaking soliton model in fluids and plasmas. <i>Nonlinear Dynamics</i> , <b>2012</b> , 70, 1889-1901	5	5
25	Multi-soliton and Pfaffian solutions of a (2+1)-dimensional nonlinear evolution equation via the JaulentMiodek hierarchy. <i>Applied Mathematics and Computation</i> , <b>2012</b> , 218, 10791-10802	2.7	3
24	Elastic and inelastic interactions of solitons for a variable-coefficient generalized dispersive water-wave system. <i>Nonlinear Dynamics</i> , <b>2012</b> , 69, 391-398	5	9
23	Soliton Solutions, Bäcklund Transformation and Wronskian Solutions for the (2+1)-Dimensional Variable-Coefficient KonopelchenkoDubrovsky Equations in Fluid Mechanics. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , <b>2012</b> , 67, 132-140	1.4	
22	Solitonic propagation and interaction for a generalized variable-coefficient forced Korteweg-de Vries equation in fluids. <i>Physical Review E</i> , <b>2011</b> , 83, 056601	2.4	83
21	Soliton management for a variable-coefficient modified Korteweg-de Vries equation. <i>Physical Review E</i> , <b>2011</b> , 84, 026606	2.4	96
20	N-fold Darboux transformation and solitonic interactions of a variable-coefficient generalized Boussinesq system in shallow water. <i>Applied Mathematics and Computation</i> , <b>2011</b> , 218, 4049-4055	2.7	10
19	Compression of Bright Bound Solitons in the Bose-Einstein Condensates with Exponentially Time-Dependent Atomic Scattering Length by the Feshbach Resonance. <i>International Journal of Theoretical Physics</i> , <b>2011</b> , 50, 2776-2789	1.1	2
18	Extended double Wronskian solutions to the WhithamBroerKaup equations in shallow water. <i>Nonlinear Dynamics</i> , <b>2011</b> , 64, 197-206	5	19
17	Soliton-shape-preserving and soliton-complex interactions for a (1+1)-dimensional nonlinear dispersive-wave system in shallow water. <i>Nonlinear Dynamics</i> , <b>2011</b> , 66, 161-168	5	17
16	Multi-soliton solutions of the forced variable-coefficient extended Kortewegde Vries equation arisen in fluid dynamics of internal solitary waves. <i>Nonlinear Dynamics</i> , <b>2011</b> , 66, 575-587	5	28

15	Soliton Solution, Bäcklund Transformation, and Conservation Laws for the Sasa-Satsuma Equation in the Optical Fiber Communications. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , <b>2010</b> , 65, 291-300	1.4	9
14	Odd-Soliton-Like Solutions for the Variable-Coefficient Variant Boussinesq Model in the Long Gravity Waves. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , <b>2010</b> , 65, 818-828	1.4	33
13	Variable-coefficient higher-order nonlinear Schrödinger model in optical fibers: Variable-coefficient bilinear form, Bäcklund transformation, brightons and symbolic computation. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2007</b> , 366, 223-229	2.3	174
12	Variable-coefficient higher-order nonlinear Schrödinger model in optical fibers: New transformation with burstons, brightons and symbolic computation. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2006</b> , 359, 241-248	2.3	152
11	Macropteron, micropteron and similarity reductions for the regularized Ostrovsky-Grimshaw model for fluids and plasmas with symbolic computation. <i>Acta Mechanica</i> , <b>2006</b> , 182, 17-29	2.1	30
10	Spherical nebulons and Bäcklund transformation for a space or laboratory un-magnetized dusty plasma with symbolic computation. <i>European Physical Journal D</i> , <b>2005</b> , 33, 59-65	1.3	149
9	SIMILARITY REDUCTIONS AND INTEGRABILITY FOR THE BRUSSELEATOR REACTION-DIFFUSION MODEL WITH SYMBOLIC COMPUTATION. <i>International Journal of Modern Physics C</i> , <b>2003</b> , 14, 215-220	1.1	4
8	Certain dark-soliton features in optical fibres. <i>Journal of Modern Optics</i> , <b>2003</b> , 50, 2185-2189	1.1	15
7	On the general form of the Benjamin-Bona-Mahony equation in fluid mechanics. <i>European Physical Journal D</i> , <b>2002</b> , 52, 373-377		16
6	On the Thomas Equation for the Ion-Exchange Operations. <i>European Physical Journal D</i> , <b>2002</b> , 52, 749-751		4
5	Observable Solitonic Features of the Generalized Reaction Duffing Model. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , <b>2002</b> , 57, 39-44	1.4	
4	Observable Solitonic Features of the Generalized Reaction Duffing Model. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , <b>2002</b> , 57, 39-44	1.4	19
3	Symbolic computation in engineering: Application to a breaking soliton equation. <i>International Journal of Engineering Science</i> , <b>1997</b> , 35, 1081-1083	5.7	14
2	New family of overturning soliton solutions for a typical breaking soliton equation. <i>Computers and Mathematics With Applications</i> , <b>1995</b> , 30, 97-100	2.7	40
1	Three-wave resonant interactions: dark-bright-bright mixed N- and high-order solitons, breathers, and their structures. <i>Waves in Random and Complex Media</i> , 1-13	1.9	2