

Abdul Majid Wazwaz

List of Publications by Year in descending order

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556
papers

25,517
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122
g-index

569
all docs

569
docs citations

569
times ranked

3634
citing authors

#	ARTICLE	IF	CITATIONS
1	A reliable modification of Adomian decomposition method. Applied Mathematics and Computation, 1999, 102, 77-86.	2.3	506
2	The tanh method for traveling wave solutions of nonlinear equations. Applied Mathematics and Computation, 2004, 154, 713-723.	2.3	464
3	A new algorithm for calculating adomian polynomials for nonlinear operators. Applied Mathematics and Computation, 2000, 111, 33-51.	2.3	454
4	A new algorithm for solving differential equations of Laneâ€Emden type. Applied Mathematics and Computation, 2001, 118, 287-310.	2.3	313
5	The extended tanh method for new solitons solutions for many forms of the fifth-order KdV equations. Applied Mathematics and Computation, 2007, 184, 1002-1014.	2.3	248
6	The tanh method: solitons and periodic solutions for the Doddâ€Bulloughâ€Mikhailov and the Tzitzeicaâ€Doddâ€Bullough equations. Chaos, Solitons and Fractals, 2005, 25, 55-63.	5.2	247
7	Multiple-soliton solutions for the KP equation by Hirotaâ€™s bilinear method and by the tanhâ€coth method. Applied Mathematics and Computation, 2007, 190, 633-640.	2.3	243
8	A new modification of the Adomian decomposition method for linear and nonlinear operators. Applied Mathematics and Computation, 2001, 122, 393-405.	2.3	240
9	New solitons and kink solutions for the Gardner equation. Communications in Nonlinear Science and Numerical Simulation, 2007, 12, 1395-1404.	3.4	236
10	The tanhâ€coth method for solitons and kink solutions for nonlinear parabolic equations. Applied Mathematics and Computation, 2007, 188, 1467-1475.	2.3	232
11	A new method for solving singular initial value problems in the second-order ordinary differential equations. Applied Mathematics and Computation, 2002, 128, 45-57.	2.3	224
12	Adomian decomposition method for a reliable treatment of the Bratu-type equations. Applied Mathematics and Computation, 2005, 166, 652-663.	2.3	215
13	The extended tanh method for abundant solitary wave solutions of nonlinear wave equations. Applied Mathematics and Computation, 2007, 187, 1131-1142.	2.3	196
14	The tanh method: exact solutions of the sine-Gordon and the sinh-Gordon equations. Applied Mathematics and Computation, 2005, 167, 1196-1210.	2.3	191
15	Solving the $(3+1)$ -dimensional KPâ€Boussinesq and BKâ€Boussinesq equations by the simplified Hirotaâ€™s method. Nonlinear Dynamics, 2017, 88, 3017-3021.	5.4	188
16	A study on linear and nonlinear Schrodinger equations by the variational iteration method. Chaos, Solitons and Fractals, 2008, 37, 1136-1142.	5.2	186
17	Adomian decomposition method for a reliable treatment of the Emdenâ€Fowler equation. Applied Mathematics and Computation, 2005, 161, 543-560.	2.3	177
18	The tanh and the sineâ€cosine methods for a reliable treatment of the modified equal width equation and its variants. Communications in Nonlinear Science and Numerical Simulation, 2006, 11, 148-160.	3.4	161

#	ARTICLE	IF	CITATIONS
19	New extended Kadomtsev-Petviashvili equation: multiple soliton solutions, breather, lump and interaction solutions. <i>Nonlinear Dynamics</i> , 2021, 104, 1581-1594.	5.4	160
20	Analytical approximations and Padé approximants for Volterra's population model. <i>Applied Mathematics and Computation</i> , 1999, 100, 13-25.	2.3	157
21	Multiple-soliton solutions for the Boussinesq equation. <i>Applied Mathematics and Computation</i> , 2007, 192, 479-486.	2.3	152
22	A comparison between the variational iteration method and Adomian decomposition method. <i>Journal of Computational and Applied Mathematics</i> , 2007, 207, 129-136.	2.0	151
23	The combined Laplace transform-Adomian decomposition method for handling nonlinear Volterra integro-differential equations. <i>Applied Mathematics and Computation</i> , 2010, 216, 1304-1309.	2.3	149
24	The extended tanh method for the Zakharov-Kuznetsov (ZK) equation, the modified ZK equation, and its generalized forms. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2008, 13, 1039-1047.	3.4	144
25	The modified decomposition method and Padé approximants for solving the Thomas-Fermi equation. <i>Applied Mathematics and Computation</i> , 1999, 105, 11-19.	2.3	143
26	The Hirota's direct method for multiple-soliton solutions for three model equations of shallow water waves. <i>Applied Mathematics and Computation</i> , 2008, 201, 489-503.	2.3	142
27	The tanh method for generalized forms of nonlinear heat conduction and Burgers-Fisher equations. <i>Applied Mathematics and Computation</i> , 2005, 169, 321-338.	2.3	139
28	New travelling wave solutions to the Boussinesq and the Klein-Gordon equations. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2008, 13, 889-901.	3.4	138
29	The sine-cosine method for obtaining solutions with compact and noncompact structures. <i>Applied Mathematics and Computation</i> , 2004, 159, 559-576.	2.3	137
30	The extended tanh method for new compact and noncompact solutions for the KP-BBM and the ZK-BBM equations. <i>Chaos, Solitons and Fractals</i> , 2008, 38, 1505-1516.	5.2	135
31	Multiple-soliton solutions for extended Jimbo-Miwa equations. <i>Applied Mathematics Letters</i> , 2017, 64, 21-26.	2.9	134
32	The modified decomposition method for analytic treatment of differential equations. <i>Applied Mathematics and Computation</i> , 2006, 173, 165-176.	2.3	133
33	The tanh and the sine-cosine methods for compact and noncompact solutions of the nonlinear Klein-Gordon equation. <i>Applied Mathematics and Computation</i> , 2005, 167, 1179-1195.	2.3	131
34	Multiple-front solutions for the Burgers equation and the coupled Burgers equations. <i>Applied Mathematics and Computation</i> , 2007, 190, 1198-1206.	2.3	129
35	Bright and dark soliton solutions for a equation with t-dependent coefficients. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2009, 373, 2162-2165.	2.2	127
36	Multiple-soliton solutions for the Calogero-Bogoyavlenskii-Schiff, Jimbo-Miwa and YTSF equations. <i>Applied Mathematics and Computation</i> , 2008, 203, 592-597.	2.3	126

#	ARTICLE	IF	CITATIONS
37	Solitary wave solutions for modified forms of Degasperisâ€“Procesi and Camassaâ€“Holm equations. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 352, 500-504. The variational iteration method for rational solutions for KdV, 	2.2	124
38	overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/co New integrable Boussinesq equations of distinct dimensions with diverse variety of soliton solutions. Nonlinear Dynamics, 2019, 97, 83-94.	2.0	122
39	5.4	122	
40	The Hirotaâ€“TM's direct method and the tanhâ€“coth method for multiple-soliton solutions of the Sawadaâ€“Koteraâ€“Ito seventh-order equation. Applied Mathematics and Computation, 2008, 199, 133-138.	2.3	121
41	A general bilinear form to generate different wave structures of solitons for a (3+1)-dimensional Boitiâ€“Leonâ€“Mannaâ€“Pempinelli equation. Mathematical Methods in the Applied Sciences, 2019, 42, 6277-6283.	2.3	121
42	A comparison between Adomian decomposition method and Taylor series method in the series solutions. Applied Mathematics and Computation, 1998, 97, 37-44.	2.3	112
43	Compactons, solitons and periodic solutions for some forms of nonlinear Kleinâ€“Gordon equations. Chaos, Solitons and Fractals, 2006, 28, 1005-1013.	5.2	110
44	The variational iteration method for solving linear and nonlinear systems of PDEs. Computers and Mathematics With Applications, 2007, 54, 895-902.	2.8	107
45	An efficient algorithm to construct multi-soliton rational solutions of the (2+ 1)-dimensional KdV equation with variable coefficients. Applied Mathematics and Computation, 2018, 321, 282-289.	2.3	107
46	A computational approach to soliton solutions of the Kadomtsevâ€“Petviashvili equation. Applied Mathematics and Computation, 2001, 123, 205-217.	2.3	106
47	New solitary wave solutions to the modified forms of Degasperisâ€“Procesi and Camassaâ€“Holm equations. Applied Mathematics and Computation, 2007, 186, 130-141.	2.3	106
48	Bright â€“ dark optical solitons for SchrÃ¶dinger-Hirota equation with variable coefficients. Optik, 2019, 179, 479-484.	2.9	106
49	Optical soliton solutions to the generalized nonautonomous nonlinear SchrÃ¶dinger equations in optical fibers via the sine-Gordon expansion method. Optik, 2020, 208, 164132.	2.9	106
50	The decomposition method applied to systems of partial differential equations and to the reactionâ€“diffusion Brusselator model. Applied Mathematics and Computation, 2000, 110, 251-264.	2.3	104
51	Dynamical analysis of lump solutions for (3 + 1) dimensional generalized KPâ€“Boussinesq equation and its dimensionally reduced equations. Physica Scripta, 2018, 93, 075203.	2.5	104
52	Solving coupled Laneâ€“Emden boundary value problems in catalytic diffusion reactions by the Adomian decomposition method. Journal of Mathematical Chemistry, 2014, 52, 255-267.	1.6	103
53	The numerical solution of sixth-order boundary value problems by the modified decomposition method. Applied Mathematics and Computation, 2001, 118, 311-325.	2.3	102
54	Multiple-soliton solutions for a (3+1)-dimensional generalized KP equation. Communications in Nonlinear Science and Numerical Simulation, 2012, 17, 491-495.	3.4	102

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55	Nature-inspired computing approach for solving non-linear singular Emdenâ€“Fowler problem arising in electromagnetic theory. <i>Connection Science</i> , 2015, 27, 377-396.	3.3	102
56	A new (3+1)-dimensional Kadomtsevâ€“Petviashvili equation and its integrability, multiple-solitons, breathers and lump waves. <i>Mathematics and Computers in Simulation</i> , 2021, 187, 505-519.	4.6	101
57	A new (3+1)-dimensional generalized Kadomtsevâ€“Petviashvili equation. <i>Nonlinear Dynamics</i> , 2016, 84, 1107-1112.	5.4	100
58	New exact solitary wave solutions of the strain wave equation in microstructured solids via the generalized exponential rational function method. <i>European Physical Journal Plus</i> , 2020, 135, 1.	2.6	100
59	The numerical solution of fifth-order boundary value problems by the decomposition method. <i>Journal of Computational and Applied Mathematics</i> , 2001, 136, 259-270.	2.0	98
60	PainlevÃ© analysis and invariant solutions of generalized fifth-order nonlinear integrable equation. <i>Nonlinear Dynamics</i> , 2018, 94, 2469-2477.	5.4	98
61	A (2+1)-dimensional Kadomtsevâ€“Petviashvili equation with competing dispersion effect: PainlevÃ© analysis, dynamical behavior and invariant solutions. <i>Results in Physics</i> , 2021, 23, 104043.	4.2	98
62	The variational iteration method for solving two forms of Blasius equation on a half-infinite domain. <i>Applied Mathematics and Computation</i> , 2007, 188, 485-491.	2.3	96
63	The tanh method for travelling wave solutions to the Zhiberâ€“Shabat equation and other related equations. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2008, 13, 584-592.	3.4	95
64	A new integrable ($3 + 1$)-dimensional KdV-like model with its multiple-soliton solutions. <i>Nonlinear Dynamics</i> , 2016, 83, 1529-1534.	5.4	95
65	Gaussian solitary wave solutions for nonlinear evolution equations with logarithmic nonlinearities. <i>Nonlinear Dynamics</i> , 2016, 83, 591-596.	5.4	94
66	The variational iteration method: A reliable analytic tool for solving linear and nonlinear wave equations. <i>Computers and Mathematics With Applications</i> , 2007, 54, 926-932.	2.8	93
67	Combined optical solitary waves of the Fokasâ€“Lenells equation. <i>Waves in Random and Complex Media</i> , 2017, 27, 587-593.	2.7	91
68	Exact solutions with solitons and periodic structures for the Zakharovâ€“Kuznetsov (ZK) equation and its modified form. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2005, 10, 597-606.	3.4	90
69	A variety of nonautonomous complex wave solutions for the (2+1)-dimensional nonlinear SchrÃ¶dinger equation with variable coefficients in nonlinear optical fibers. <i>Optik</i> , 2019, 180, 917-923.	2.9	90
70	Lie symmetry analysis, exact analytical solutions and dynamics of solitons for (2 + 1)-dimensional NNV equations. <i>Physica Scripta</i> , 2020, 95, 095204.	2.5	90
71	Abundant complex wave solutions for the nonautonomous Fokasâ€“Lenells equation in presence of perturbation terms. <i>Optik</i> , 2019, 181, 503-513.	2.9	89
72	PainlevÃ© integrability and lump solutions for two extended (3+1)- and (2+1)-dimensional Kadomtsevâ€“Petviashvili equations. <i>Nonlinear Dynamics</i> , 2023, 111, 3623-3632.	5.4	89

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73	Distinct variants of the KdV equation with compact and noncompact structures. Applied Mathematics and Computation, 2004, 150, 365-377.	2.3	87
74	Two-mode fifth-order KdV equations: necessary conditions for multiple-soliton solutions to exist. Nonlinear Dynamics, 2017, 87, 1685-1691.	5.4	87
75	A reliable algorithm for solving boundary value problems for higher-order integro-differential equations. Applied Mathematics and Computation, 2001, 118, 327-342.	2.3	86
76	A reliable treatment for mixed Volterra-Fredholm integral equations. Applied Mathematics and Computation, 2002, 127, 405-414.	2.3	86
77	The variational iteration method for solving nonlinear singular boundary value problems arising in various physical models. Communications in Nonlinear Science and Numerical Simulation, 2011, 16, 3881-3886.	3.4	86
78	Adomian decomposition method for solving the Volterra integral form of the Lane-Emden equations with initial values and boundary conditions. Applied Mathematics and Computation, 2013, 219, 5004-5019.	2.3	84
79	Multiple soliton solutions and multiple complex soliton solutions for two distinct Boussinesq equations. Nonlinear Dynamics, 2016, 85, 731-737.	5.4	83
80	Lump, breather and solitary wave solutions to new reduced form of the generalized BKP equation. International Journal of Numerical Methods for Heat and Fluid Flow, 2019, 29, 569-579.	3.0	83
81	New solitary wave solutions to the Kuramoto-Sivashinsky and the Kawahara equations. Applied Mathematics and Computation, 2006, 182, 1642-1650.	2.3	80
82	New solitons and kinks solutions to the Sharma-Tasso-Olver equation. Applied Mathematics and Computation, 2007, 188, 1205-1213.	2.3	80
83	The variational iteration method for analytic treatment for linear and nonlinear ODEs. Applied Mathematics and Computation, 2009, 212, 120-134.	2.3	80
84	General solutions with solitary patterns for the defocusing branch of the nonlinear dispersive K(n,n) equations in higher dimensional spaces. Applied Mathematics and Computation, 2002, 133, 229-244.	2.3	79
85	Solitons and singular solitons for the Gardner-KP equation. Applied Mathematics and Computation, 2008, 204, 162-169.	2.3	79
86	Multiple-front solutions for the Burgers-Kadomtsev-Petviashvili equation. Applied Mathematics and Computation, 2008, 200, 437-443.	2.3	78
87	Travelling wave solutions of generalized forms of Burgers, Burgers-KdV and Burgers-Huxley equations. Applied Mathematics and Computation, 2005, 169, 639-656.	2.3	76
88	The variational iteration method: A powerful scheme for handling linear and nonlinear diffusion equations. Computers and Mathematics With Applications, 2007, 54, 933-939.	2.8	76
89	Necessary conditions for the appearance of noise terms in decomposition solution series. Applied Mathematics and Computation, 1997, 81, 265-274.	2.3	75
90	The Hirota's bilinear method and the tanh-coth method for multiple-soliton solutions of the Sawada-Kotera-Kadomtsev-Petviashvili equation. Applied Mathematics and Computation, 2008, 200, 160-166.	2.3	75

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91	New solitons and periodic wave solutions for the (2+1)-dimensional Heisenberg ferromagnetic spin chain equation. <i>Journal of Electromagnetic Waves and Applications</i> , 2016, 30, 788-794.	1.7	75
92	New $(3 + 1)$ -dimensional equations of Burgers type and Sharma-Tasso-Olver type: multiple-soliton solutions. <i>Nonlinear Dynamics</i> , 2017, 87, 2457-2461.	5.4	75
93	General compactons solutions for the focusing branch of the nonlinear dispersive $K(n,n)$ equations in higher-dimensional spaces. <i>Applied Mathematics and Computation</i> , 2002, 133, 213-227.	2.3	74
94	The tanh-coth and the sech methods for exact solutions of the Jaulent-Miodek equation. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2007, 366, 85-90.	2.2	74
95	Two new integrable fourth-order nonlinear equations: multiple soliton solutions and multiple complex soliton solutions. <i>Nonlinear Dynamics</i> , 2018, 94, 2655-2663.	5.4	74
96	Analytic treatment for variable coefficient fourth-order parabolic partial differential equations. <i>Applied Mathematics and Computation</i> , 2001, 123, 219-227.	2.3	73
97	Two reliable methods for solving variants of the KdV equation with compact and noncompact structures. <i>Chaos, Solitons and Fractals</i> , 2006, 28, 454-462.	5.2	73
98	Analytic study on Burgers, Fisher, Huxley equations and combined forms of these equations. <i>Applied Mathematics and Computation</i> , 2008, 195, 754-761.	2.3	73
99	Complex simplified Hirota's forms and Lie symmetry analysis for multiple real and complex soliton solutions of the modified KdV-Sine-Gordon equation. <i>Nonlinear Dynamics</i> , 2019, 95, 2209-2215.	5.4	73
100	New $(3+1)$ -dimensional Painlevé integrable fifth-order equation with third-order temporal dispersion. <i>Nonlinear Dynamics</i> , 2021, 106, 891-897.	5.4	73
101	Abundant solutions of various physical features for the (2+1)-dimensional modified KdV-Calogero-Bogoyavlenskii-Schiff equation. <i>Nonlinear Dynamics</i> , 2017, 89, 1727-1732.	5.4	72
102	Analytical solution for the time-dependent Emden-Fowler type of equations by Adomian decomposition method. <i>Applied Mathematics and Computation</i> , 2005, 166, 638-651.	2.3	71
103	Optical envelope soliton solutions for coupled nonlinear Schrödinger equations applicable to high birefringence fibers. <i>Optik</i> , 2022, 255, 168673.	2.9	71
104	A two-mode modified KdV equation with multiple soliton solutions. <i>Applied Mathematics Letters</i> , 2017, 70, 1-6.	2.9	70
105	Analyzing the combined multi-waves polynomial solutions in a two-layer-liquid medium. <i>Computers and Mathematics With Applications</i> , 2018, 76, 276-283.	2.8	70
106	Lie Symmetries, Closed-Form Solutions, and Various Dynamical Profiles of Solitons for the Variable Coefficient (2+1)-Dimensional KP Equations. <i>Symmetry</i> , 2022, 14, 597.	2.3	70
107	The modified decomposition method and Padé approximants for a boundary layer equation in unbounded domain. <i>Applied Mathematics and Computation</i> , 2006, 177, 737-744.	2.3	69
108	A new modified Adomian decomposition method and its multistage form for solving nonlinear boundary value problems with Robin boundary conditions. <i>Applied Mathematical Modelling</i> , 2013, 37, 8687-8708.	4.4	69

#	ARTICLE	IF	CITATIONS
109	Exact Soliton and Kink Solutions for New (3+1)-Dimensional Nonlinear Modified Equations of Wave Propagation. Open Engineering, 2017, 7, 169-174.	1.6	69
110	Solitary wave solutions of the generalized shallow water wave (GSWW) equation by Hirota's method, tanh-coth method and Exp-function method. Applied Mathematics and Computation, 2008, 202, 275-286.	2.3	68
111	Bright and dark optical solitons for (2+1)-dimensional Schrödinger (NLS) equations in the anomalous dispersion regimes and the normal dispersive regimes. Optik, 2019, 192, 162948.	2.9	68
112	Exact solutions for the generalized sine-Gordon and the generalized sinh-Gordon equations. Chaos, Solitons and Fractals, 2006, 28, 127-135.	5.2	67
113	Multiple-soliton solutions for the Lax-Kadomtsev-Petviashvili (Lax-KP) equation. Applied Mathematics and Computation, 2008, 201, 168-174.	2.3	66
114	Exact solutions for the fourth order nonlinear Schrodinger equations with cubic and power law nonlinearities. Mathematical and Computer Modelling, 2006, 43, 802-808.	2.0	63
115	New solitary wave solutions to the modified Kawahara equation. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 360, 588-592.	2.2	63
116	Optical solitons for nonlinear Schrödinger (NLS) equation in normal dispersive regimes. Optik, 2019, 184, 428-435.	2.9	63
117	The tanh-coth and the sine-cosine methods for kinks, solitons, and periodic solutions for the Pochhammer-Chree equations. Applied Mathematics and Computation, 2008, 195, 24-33.	2.3	62
118	Sub-ODE method and soliton solutions for the variable-coefficient mKdV equation. Applied Mathematics and Computation, 2009, 214, 370-373.	2.3	62
119	Reliable analysis for nonlinear Schrödinger equations with a cubic nonlinearity and a power law nonlinearity. Mathematical and Computer Modelling, 2006, 43, 178-184.	2.0	61
120	Multiple-soliton solutions of two extended model equations for shallow water waves. Applied Mathematics and Computation, 2008, 201, 790-799.	2.3	61
121	Integrable (2+1)-dimensional and (3+1)-dimensional breaking soliton equations. Physica Scripta, 2010, 81, 035005.	2.5	61
122	Solution of the model of beam-type micro- and nano-scale electrostatic actuators by a new modified Adomian decomposition method for nonlinear boundary value problems. International Journal of Non-Linear Mechanics, 2013, 49, 159-169.	2.8	61
123	Exact solutions to nonlinear diffusion equations obtained by the decomposition method. Applied Mathematics and Computation, 2001, 123, 109-122.	2.3	60
124	Nonlinear variants of the BBM equation with compact and noncompact physical structures. Chaos, Solitons and Fractals, 2005, 26, 767-776.	5.2	60
125	General high-order breathers and rogue waves in the KP-Boussinesq equation. Communications in Nonlinear Science and Numerical Simulation, 2018, 64, 1-13.		
126	New solutions of distinct physical structures to high-dimensional nonlinear evolution equations. Applied Mathematics and Computation, 2008, 196, 363-370.	2.3	59

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127	Exact solutions of compact and noncompact structures for the KP-BBM equation. Applied Mathematics and Computation, 2005, 169, 700-712.	2.3	58
128	Exact and explicit travelling wave solutions for the nonlinear Drinfeld-Sokolov system. Communications in Nonlinear Science and Numerical Simulation, 2006, 11, 311-325.	3.4	58
129	The tanh method and a variable separated ODE method for solving double sine-Gordon equation. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 350, 367-370.	2.2	58
130	An algorithm based on the variational iteration technique for the Bratu-type and the Lane-Emden problems. Journal of Mathematical Chemistry, 2016, 54, 527-551.	1.6	58
131	Two wave mode higher-order modified KdV equations. International Journal of Numerical Methods for Heat and Fluid Flow, 2017, 27, 2223-2230.	3.0	58
132	Optical bright and dark soliton solutions for coupled nonlinear Schrödinger (CNLS) equations by the variational iteration method. Optik, 2020, 207, 164457.	2.9	58
133	Einstein's vacuum field equation: Painlevé analysis and Lie symmetries. Waves in Random and Complex Media, 2021, 31, 199-206.	2.7	58
134	An analytic study of compactons structures in a class of nonlinear dispersive equations. Mathematics and Computers in Simulation, 2003, 63, 35-44.	4.6	57
135	Bright and dark optical solitons of the (2+1)-dimensional perturbed nonlinear Schrödinger equation in nonlinear optical fibers. Optik, 2022, 251, 168334.	2.9	57
136	New compactons, solitons and periodic solutions for nonlinear variants of the KdV and the KP equations. Chaos, Solitons and Fractals, 2004, 22, 249-260.	5.2	56
137	The variational iteration method for exact solutions of Laplace equation. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 363, 260-262.	2.2	56
138	Bidirectional solitons and interaction solutions for a new integrable fifth-order nonlinear equation with temporal and spatial dispersion. Nonlinear Dynamics, 2020, 101, 581-595.	5.4	56
139	Two new Painlevé-integrable (2+1) and (3+1)-dimensional KdV equations with constant and time-dependent coefficients. Nuclear Physics B, 2020, 954, 115009.	2.6	56
140	Travelling wave solutions for combined and double combined sine-cosine-Gordon equations by the variable separated ODE method. Applied Mathematics and Computation, 2006, 177, 755-760.	2.3	55
141	Abundant solitons solutions for several forms of the fifth-order KdV equation by using the tanh method. Applied Mathematics and Computation, 2006, 182, 283-300.	2.3	55
142	New sets of solitary wave solutions to the KdV, mKdV, and the generalized KdV equations. Communications in Nonlinear Science and Numerical Simulation, 2008, 13, 331-339.	3.4	55
143	Two B-type Kadomtsev-Petviashvili equations of (2+1) and (3+1) dimensions: Multiple soliton solutions, rational solutions and periodic solutions. Computers and Fluids, 2013, 86, 357-362.	2.6	54
144	Novel bifurcation solitons for an extended Kadomtsev-Petviashvili equation in fluids. Physics Letters, Section A: General, Atomic and Solid State Physics, 2021, 413, 127585.	2.2	54

#	ARTICLE	IF	CITATIONS
145	The Modified Adomian Decomposition Method for Solving Linear and Nonlinear Boundary Value Problems of Tenth-order and Twelfth-order. <i>International Journal of Nonlinear Sciences and Numerical Simulation</i> , 2000, 1, .	1.0	53
146	Optical soliton solutions of variable coefficient Biswasâ€“Milovic (BM) model comprising Kerr law and damping effect. <i>Optik</i> , 2022, 266, 169617.	2.9	53
147	A reliable technique for solving the wave equation in an infinite one-dimensional medium. <i>Applied Mathematics and Computation</i> , 1998, 92, 1-7.	2.3	52
148	The Numerical Solution of Special Fourth-Order Boundary Value Problems by the Modified Decomposition Method. <i>International Journal of Computer Mathematics</i> , 2002, 79, 345-356.	1.8	52
149	A new numerical approach to solve Thomasâ€“Fermi model of an atom using bio-inspired heuristics integrated with sequential quadratic programming. <i>SpringerPlus</i> , 2016, 5, 1400.	1.2	52
150	Kadomtsevâ€“Petviashvili hierarchy: two integrable equations with time-dependent coefficients. <i>Nonlinear Dynamics</i> , 2020, 100, 3711-3716.	5.4	52
151	Compact and noncompact physical structures for the ZKâ€“BBM equation. <i>Applied Mathematics and Computation</i> , 2005, 169, 713-725.	2.3	51
152	A comparison study between the modified decomposition method and the traditional methods for solving nonlinear integral equations. <i>Applied Mathematics and Computation</i> , 2006, 181, 1703-1712.	2.3	51
153	Multiple kink solutions and multiple singular kink solutions for the (2+1)-dimensional Burgers equations. <i>Applied Mathematics and Computation</i> , 2008, 204, 817-823.	2.3	51
154	Multiple kink solutions and multiple singular kink solutions for -dimensional nonlinear models generated by the Jaulentâ€“Miodek hierarchy. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2009, 373, 1844-1846.	2.2	51
155	The (2+1) and (3+1)-Dimensional CBS Equations: Multiple Soliton Solutions and Multiple Singular Soliton Solutions. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2010, 65, 173-181.	1.5	51
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