Abdul Majid Wazwaz

List of Publications by Citations

528 papers	17,917 citations	68 h-index	104 g-index
547 ext. papers	20,526 ext. citations	2.8 avg, IF	8.39 L-index

#	Paper	IF	Citations
528	Partial Differential Equations and Solitary Waves Theory. *Nonlinear Physical Science*, **2009**,	0.1	437
527	A reliable modification of Adomian decomposition method. *Applied Mathematics and Computation*, **1999**, 102, 77-86	2.7	407
526	The tanh method for traveling wave solutions of nonlinear equations. *Applied Mathematics and Computation*, **2004**, 154, 713-723	2.7	365
525	A new algorithm for calculating adomian polynomials for nonlinear operators. *Applied Mathematics and Computation*, **2000**, 111, 33-51	2.7	351
524	A new algorithm for solving differential equations of Lane-Emden type. *Applied Mathematics and Computation*, **2001**, 118, 287-310	2.7	251
523	Linear and Nonlinear Integral Equations **2011**,		210
522	New solitons and kink solutions for the Gardner equation. *Communications in Nonlinear Science and Numerical Simulation*, **2007**, 12, 1395-1404	3.7	193
521	Multiple-soliton solutions for the KP equation by Hirota's bilinear method and by the tanh-coth method. *Applied Mathematics and Computation*, **2007**, 190, 633-640	2.7	187
520	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	2.7	185
519	A new modification of the Adomian decomposition method for linear and nonlinear operators. *Applied Mathematics and Computation*, **2001**, 122, 393-405	2.7	181
518	A new method for solving singular initial value problems in the second-order ordinary differential equations. *Applied Mathematics and Computation*, **2002**, 128, 45-57	2.7	180
517	The tan h method: solitons and periodic solutions for the Dodd-Bullough-Mikhailov and the Tzitzeica-Dodd-Bullough equations. *Chaos, Solitons and Fractals*, **2005**, 25, 55-63	9.3	179
516	The tanh-coth method for solitons and kink solutions for nonlinear parabolic equations. *Applied Mathematics and Computation*, **2007**, 188, 1467-1475	2.7	176
515	Adomian decomposition method for a reliable treatment of the Bratu-type equations. *Applied Mathematics and Computation*, **2005**, 166, 652-663	2.7	161
514	The extended tanh method for abundant solitary wave solutions of nonlinear wave equations. *Applied Mathematics and Computation*, **2007**, 187, 1131-1142	2.7	141
513	Adomian decomposition method for a reliable treatment of the Emden-Fowler equation. *Applied Mathematics and Computation*, **2005**, 161, 543-560	2.7	139
512	Analytical approximations and Padé approximants for Volterra's population model. *Applied Mathematics and Computation*, **1999**, 100, 13-25	2.7	139

| 511 | A study on linear and nonlinear Schrodinger equations by the variational iteration method. *Chaos, Solitons and Fractals*, **2008**, 37, 1136-1142 | 9.3 | 138 |

| 510 | The tanh method: exact solutions of the sine-Gordon and the sinh-Gordon equations. *Applied Mathematics and Computation*, **2005**, 167, 1196-1210 | 2.7 | 137 |

| 509 | Multiple-soliton solutions for the Boussinesq equation. *Applied Mathematics and Computation*, **2007**, 192, 479-486 | 2.7 | 126 |

| 508 | The modified decomposition method and Padé approximants for solving the Thomas-Fermi equation. *Applied Mathematics and Computation*, **1999**, 105, 11-19 | 2.7 | 123 |

| 507 | Solving the (mathbf{(3+1) })-dimensional KP-Boussinesq and BKP-Boussinesq equations by the simplified Hirota's method. *Nonlinear Dynamics*, **2017**, 88, 3017-3021 | 5 | 122 |

| 506 | The tanh and the sine-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 | 2.7 | 122 |

| 505 | The combined Laplace transform-Adomian decomposition method for handling nonlinear Volterra integro-differential equations. *Applied Mathematics and Computation*, **2010**, 216, 1304-1309 | 2.7 | 113 |

| 504 | The Hirota's direct method for multiple-soliton solutions for three model equations of shallow water waves. *Applied Mathematics and Computation*, **2008**, 201, 489-503 | 2.7 | 113 |

| 503 | Multiple-front solutions for the Burgers equation and the coupled Burgers equations. *Applied Mathematics and Computation*, **2007**, 190, 1198-1206 | 2.7 | 112 |

| 502 | The extended tanh method for the Zakharov-Kuznetsov (ZK) equation, the modified ZK equation, and its generalized forms. *Communications in Nonlinear Science and Numerical Simulation*, **2008**, 13, 1039-1047 | 3.7 | 109 |

| 501 | The modified decomposition method for analytic treatment of differential equations. *Applied Mathematics and Computation*, **2006**, 173, 165-176 | 2.7 | 107 |

| 500 | A First Course in Integral Equations **1997**, | | 107 |

| 499 | The Hirota's direct method and the tanh-coth method for multiple-soliton solutions of the Sawada-Kotera-Ito seventh-order equation. *Applied Mathematics and Computation*, **2008**, 199, 133-138 | 2.7 | 105 |

| 498 | Bright and dark soliton solutions for a equation with t-dependent coefficients. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2009**, 373, 2162-2165 | 2.3 | 104 |

| 497 | New travelling wave solutions to the Boussinesq and the Klein-Gordon equations. *Communications in Nonlinear Science and Numerical Simulation*, **2008**, 13, 889-901 | 3.7 | 104 |

| 496 | A comparison between the variational iteration method and Adomian decomposition method. *Journal of Computational and Applied Mathematics*, **2007**, 207, 129-136 | 2.4 | 103 |

| 495 | Solitary wave solutions for modified forms of Degasperis-Procesi and Camassa-Holm equations. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2006**, 352, 500-504 | 2.3 | 103 |

| 494 | The tanh and the sine-cosine methods for compact and noncompact solutions of the nonlinear Klein-Gordon equation. *Applied Mathematics and Computation*, **2005**, 167, 1179-1195 | 2.7 | 102 |

493	Multiple-soliton solutions for extended (3+1)-dimensional Jimbo–Miwa equations. *Applied Mathematics Letters*, **2017**, 64, 21-26	3.5	99
492	The sine–cosine method for obtaining solutions with compact and noncompact structures. *Applied Mathematics and Computation*, **2004**, 159, 559-576	2.7	99
491	Multiple-soliton solutions for the Calogero–Bogoyavlenskii–Schiff, Jimbo–Miwa and YTSF equations. *Applied Mathematics and Computation*, **2008**, 203, 592-597	2.7	98
490	A computational approach to soliton solutions of the Kadomtsev–Petviashvili equation. *Applied Mathematics and Computation*, **2001**, 123, 205-217	2.7	96
489	The tanh method for generalized forms of nonlinear heat conduction and Burgers–Fisher equations. *Applied Mathematics and Computation*, **2005**, 169, 321-338	2.7	95
488	A comparison between Adomian decomposition method and Taylor series method in the series solutions. *Applied Mathematics and Computation*, **1998**, 97, 37-44	2.7	91
487	Compactons, solitons and periodic solutions for some forms of nonlinear Klein–Gordon equations. *Chaos, Solitons and Fractals*, **2006**, 28, 1005-1013	9.3	91
486	The extended tanh method for new compact and noncompact solutions for the KP–BBM and the ZK–BBM equations. *Chaos, Solitons and Fractals*, **2008**, 38, 1505-1516	9.3	90
485	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	2.7	89
484	The variational iteration method for rational solutions for KdV, . *Journal of Computational and Applied Mathematics*, **2007**, 207, 18-23	2.4	88
483	Nature-inspired computing approach for solving non-linear singular Emden–Fowler problem arising in electromagnetic theory. *Connection Science*, **2015**, 27, 377-396	2.8	87
482	The decomposition method applied to systems of partial differential equations and to the reaction–diffusion Brusselator model. *Applied Mathematics and Computation*, **2000**, 110, 251-264	2.7	87
481	The variational iteration method for solving linear and nonlinear systems of PDEs. *Computers and Mathematics With Applications*, **2007**, 54, 895-902	2.7	83
480	Gaussian solitary wave solutions for nonlinear evolution equations with logarithmic nonlinearities. *Nonlinear Dynamics*, **2016**, 83, 591-596	5	82
479	A general bilinear form to generate different wave structures of solitons for a (3+1)-dimensional Boiti-Leon-Manna-Pempinelli equation. *Mathematical Methods in the Applied Sciences*, **2019**, 42, 6277-6283	2.3	82
478	Distinct variants of the KdV equation with compact and noncompact structures. *Applied Mathematics and Computation*, **2004**, 150, 365-377	2.7	82
477	New solitary wave solutions to the modified forms of Degasperis–Procesi and Camassa–Holm equations. *Applied Mathematics and Computation*, **2007**, 186, 130-141	2.7	81
476	A new (3+1)-dimensional generalized Kadomtsev–Petviashvili equation. *Nonlinear Dynamics*, **2016**, 84, 1107-1112	5	80

475	A new integrable ((3+1))-dimensional KdV-like model with its multiple-soliton solutions. *Nonlinear Dynamics*, **2016**, 83, 1529-1534	5	80
474	Solving coupled Lane Emden boundary value problems in catalytic diffusion reactions by the Adomian decomposition method. *Journal of Mathematical Chemistry*, **2014**, 52, 255-267	2.1	80
473	Exact solutions with solitons and periodic structures for the Zakharov Kuznetsov (ZK) equation and its modified form. *Communications in Nonlinear Science and Numerical Simulation*, **2005**, 10, 597-606	3.7	80
472	The numerical solution of sixth-order boundary value problems by the modified decomposition method. *Applied Mathematics and Computation*, **2001**, 118, 311-325	2.7	80
471	The variational iteration method for solving two forms of Blasius equation on a half-infinite domain. *Applied Mathematics and Computation*, **2007**, 188, 485-491	2.7	77
470	The numerical solution of fifth-order boundary value problems by the decomposition method. *Journal of Computational and Applied Mathematics*, **2001**, 136, 259-270	2.4	76
469	A variety of nonautonomous complex wave solutions for the (2+1)-dimensional nonlinear Schrödinger equation with variable coefficients in nonlinear optical fibers. *Optik*, **2019**, 180, 917-923	2.5	76
468	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	2.7	74
467	Dynamical analysis of lump solutions for (3 + 1) dimensional generalized KP Boussinesq equation and Its dimensionally reduced equations. *Physica Scripta*, **2018**, 93, 075203	2.6	72
466	Multiple-soliton solutions for a (3 + 1)-dimensional generalized KP equation. *Communications in Nonlinear Science and Numerical Simulation*, **2012**, 17, 491-495	3.7	71
465	The tanh method for travelling wave solutions to the Zhiber Shabat equation and other related equations. *Communications in Nonlinear Science and Numerical Simulation*, **2008**, 13, 584-592	3.7	71
464	Multiple-front solutions for the Burgers Kadomtsev Petviashvili equation. *Applied Mathematics and Computation*, **2008**, 200, 437-443	2.7	71
463	A reliable treatment for mixed Volterra Fredholm integral equations. *Applied Mathematics and Computation*, **2002**, 127, 405-414	2.7	70
462	The variational iteration method: A reliable analytic tool for solving linear and nonlinear wave equations. *Computers and Mathematics With Applications*, **2007**, 54, 926-932	2.7	68
461	A reliable algorithm for solving boundary value problems for higher-order integro-differential equations. *Applied Mathematics and Computation*, **2001**, 118, 327-342	2.7	68
460	New solitary wave solutions to the Kuramoto-Sivashinsky and the Kawahara equations. *Applied Mathematics and Computation*, **2006**, 182, 1642-1650	2.7	67
459	General compactons solutions for the focusing branch of the nonlinear dispersive K(n,n) equations in higher-dimensional spaces. *Applied Mathematics and Computation*, **2002**, 133, 213-227	2.7	66
458	New (3(varvec{+})1)-dimensional equations of Burgers type and Sharma Tasso Olver type: multiple-soliton solutions. *Nonlinear Dynamics*, **2017**, 87, 2457-2461	5	65

457	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	2.7	65
456	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	2.7	65
455	Travelling wave solutions of generalized forms of Burgers, Burgers-KdV and Burgers-Huxley equations. *Applied Mathematics and Computation*, **2005**, 169, 639-656	2.7	65
454	The tanh method and the sine-cosine method for solving the KP-MEW equation. *International Journal of Computer Mathematics*, **2005**, 82, 235-246	1.2	65
453	Abundant complex wave solutions for the nonautonomous Fokas-Lenells equation in presence of perturbation terms. *Optik*, **2019**, 181, 503-513	2.5	65
452	New solitons and kinks solutions to the Sharma-Tasso-Olver equation. *Applied Mathematics and Computation*, **2007**, 188, 1205-1213	2.7	63
451	Solitons and singular solitons for the Gardner-KP equation. *Applied Mathematics and Computation*, **2008**, 204, 162-169	2.7	63
450	Multiple soliton solutions and multiple complex soliton solutions for two distinct Boussinesq equations. *Nonlinear Dynamics*, **2016**, 85, 731-737	5	63
449	Necessary conditions for the appearance of noise terms in decomposition solution series. *Applied Mathematics and Computation*, **1997**, 81, 265-274	2.7	62
448	Multiple-soliton solutions for the Lax-Kadomtsev-Petviashvili (Lax-KP) equation. *Applied Mathematics and Computation*, **2008**, 201, 168-174	2.7	62
447	Analytical solution for the time-dependent Emden-Fowler type of equations by Adomian decomposition method. *Applied Mathematics and Computation*, **2005**, 166, 638-651	2.7	62
446	Two-mode fifth-order KdV equations: necessary conditions for multiple-soliton solutions to exist. *Nonlinear Dynamics*, **2017**, 87, 1685-1691	5	61
445	The variational iteration method: A powerful scheme for handling linear and nonlinear diffusion equations. *Computers and Mathematics With Applications*, **2007**, 54, 933-939	2.7	61
444	Analytic treatment for variable coefficient fourth-order parabolic partial differential equations. *Applied Mathematics and Computation*, **2001**, 123, 219-227	2.7	61
443	Combined optical solitary waves of the Fokas-Lenells equation. *Waves in Random and Complex Media*, **2017**, 27, 587-593	1.9	60
442	The variational iteration method for analytic treatment for linear and nonlinear ODEs. *Applied Mathematics and Computation*, **2009**, 212, 120-134	2.7	60
441	The tanh-coth and the sech methods for exact solutions of the Jaulent-Miodek equation. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2007**, 366, 85-90	2.3	59
440	Exact solutions for the generalized sine-Gordon and the generalized sinh-Gordon equations. *Chaos, Solitons and Fractals*, **2006**, 28, 127-135	9.3	59

439	The modified decomposition method and Padé approximants for a boundary layer equation in unbounded domain. *Applied Mathematics and Computation*, **2006**, 177, 737-744	2.7	58
438	Bright–dark optical solitons for Schrödinger-Hirota equation with variable coefficients. *Optik*, **2019**, 179, 479-484	2.5	57
437	Sub-ODE method and soliton solutions for the variable-coefficient mKdV equation. *Applied Mathematics and Computation*, **2009**, 214, 370-373	2.7	56
436	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	2.7	56
435	Analytic study on Burgers, Fisher, Huxley equations and combined forms of these equations. *Applied Mathematics and Computation*, **2008**, 195, 754-761	2.7	55
434	Multiple-soliton solutions of two extended model equations for shallow water waves. *Applied Mathematics and Computation*, **2008**, 201, 790-799	2.7	55
433	Two reliable methods for solving variants of the KdV equation with compact and noncompact structures. *Chaos, Solitons and Fractals*, **2006**, 28, 454-462	9.3	55
432	Exact solutions for the fourth order nonlinear Schrodinger equations with cubic and power law nonlinearities. *Mathematical and Computer Modelling*, **2006**, 43, 802-808		55
431	New solitons and periodic wave solutions for the (2+1)-dimensional Heisenberg ferromagnetic spin chain equation. *Journal of Electromagnetic Waves and Applications*, **2016**, 30, 788-794	1.3	55
430	Reliable analysis for nonlinear Schrödinger equations with a cubic nonlinearity and a power law nonlinearity. *Mathematical and Computer Modelling*, **2006**, 43, 178-184		54
429	Exact solutions to nonlinear diffusion equations obtained by the decomposition method. *Applied Mathematics and Computation*, **2001**, 123, 109-122	2.7	54
428	A new modified Adomian decomposition method and its multistage form for solving nonlinear boundary value problems with Robin boundary conditions. *Applied Mathematical Modelling*, **2013**, 37, 8687-8708	4.5	53
427	Abundant solutions of various physical features for the (2+1)-dimensional modified KdV-Calogero–Bogoyavlenskii–Schiff equation. *Nonlinear Dynamics*, **2017**, 89, 1727-1732	5	52
426	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	52
425	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	2.7	52
424	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	2.7	52
423	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	2.3	52
422	Lie symmetry analysis, exact analytical solutions and dynamics of solitons for (2 + 1)-dimensional NNV equations. *Physica Scripta*, **2020**, 95, 095204	2.6	52

421	A two-mode modified KdV equation with multiple soliton solutions. *Applied Mathematics Letters*, **2017**, 70, 1-6	3.5	51
420	New solitary wave solutions to the modified Kawahara equation. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2007**, 360, 588-592	2.3	51
419	New solutions of distinct physical structures to high-dimensional nonlinear evolution equations. *Applied Mathematics and Computation*, **2008**, 196, 363-370	2.7	50
418	Nonlinear variants of the BBM equation with compact and noncompact physical structures. *Chaos, Solitons and Fractals*, **2005**, 26, 767-776	9.3	50
417	Painlevé analysis and invariant solutions of generalized fifth-order nonlinear integrable equation. *Nonlinear Dynamics*, **2018**, 94, 2469-2477	5	49
416	Optical soliton solutions to the generalized nonautonomous nonlinear Schrödinger equations in optical fibers via the sine-Gordon expansion method. *Optik*, **2020**, 208, 164132	2.5	49
415	Two new integrable fourth-order nonlinear equations: multiple soliton solutions and multiple complex soliton solutions. *Nonlinear Dynamics*, **2018**, 94, 2655-2663	5	48
414	New compactons, solitons and periodic solutions for nonlinear variants of the KdV and the KP equations. *Chaos, Solitons and Fractals*, **2004**, 22, 249-260	9.3	48
413	General high-order breathers and rogue waves in the (3+1)-dimensional KP-Boussinesq equation. *Communications in Nonlinear Science and Numerical Simulation*, **2018**, 64, 1-13	3.7	47
412	Analyzing the combined multi-waves polynomial solutions in a two-layer-liquid medium. *Computers and Mathematics With Applications*, **2018**, 76, 276-283	2.7	47
411	A new numerical approach to solve Thomas-Fermi model of an atom using bio-inspired heuristics integrated with sequential quadratic programming. *SpringerPlus*, **2016**, 5, 1400		47
410	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	4.5	47
409	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	2.8	46
408	The variational iteration method for exact solutions of Laplace equation. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2007**, 363, 260-262	2.3	46
407	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	2.7	46
406	An analytic study of compactons structures in a class of nonlinear dispersive equations. *Mathematics and Computers in Simulation*, **2003**, 63, 35-44	3.3	46
405	The Numerical Solution of Special Fourth-Order Boundary Value Problems by the Modified Decomposition Method. *International Journal of Computer Mathematics*, **2002**, 79, 345-356	1.2	46
404	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	2.5	45

403	A reliable technique for solving the wave equation in an infinite one-dimensional medium. *Applied Mathematics and Computation*, **1998**, 92, 1-7	2.7	45
402	Exact and explicit travelling wave solutions for the nonlinear Drinfeld Sokolov system. *Communications in Nonlinear Science and Numerical Simulation*, **2006**, 11, 311-325	3.7	44
401	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	2.1	43
400	Multiple soliton solutions for (2 + 1)-dimensional Sawada Kotera and Caudrey Dodd Gibbon equations. *Mathematical Methods in the Applied Sciences*, **2011**, 34, 1580-1586	2.3	43
399	Integrable (2+1)-dimensional and (3+1)-dimensional breaking soliton equations. *Physica Scripta*, **2010**, 81, 035005	2.6	43
398	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	3.7	43
397	A comparison study between the modified decomposition method and the traditional methods for solving nonlinear integral equations. *Applied Mathematics and Computation*, **2006**, 181, 1703-1712	2.7	43
396	The Modified Adomian Decomposition Method for Solving Linear and Nonlinear Boundary Value Problems of Tenth-order and Twelfth-order. *International Journal of Nonlinear Sciences and Numerical Simulation*, **2000**, 1,	1.8	43
395	Complex simplified Hirota's forms and Lie symmetry analysis for multiple real and complex soliton solutions of the modified KdV Sine-Gordon equation. *Nonlinear Dynamics*, **2019**, 95, 2209-2215	5	43
394	New integrable Boussinesq equations of distinct dimensions with diverse variety of soliton solutions. *Nonlinear Dynamics*, **2019**, 97, 83-94	5	42
393	Multiple kink solutions and multiple singular kink solutions for (2+1)-dimensional nonlinear models generated by the Jaulent Miodek hierarchy. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2009**, 373, 1844-1846	2.3	42
392	New (3+1)-dimensional nonlinear evolution equations with mKdV equation constituting its main part: Multiple soliton solutions. *Chaos, Solitons and Fractals*, **2015**, 76, 93-97	9.3	41
391	Multiple kink solutions and multiple singular kink solutions for the (2+1)-dimensional Burgers equations. *Applied Mathematics and Computation*, **2008**, 204, 817-823	2.7	41
390	New exact solitary wave solutions of the strain wave equation in microstructured solids via the generalized exponential rational function method. *European Physical Journal Plus*, **2020**, 135, 1	3.1	41
389	Multiple kink solutions and multiple singular kink solutions for two systems of coupled Burgers-type equations. *Communications in Nonlinear Science and Numerical Simulation*, **2009**, 14, 2962-2970	3.7	40
388	Single and multiple-soliton solutions for the (2+1)-dimensional KdV equation. *Applied Mathematics and Computation*, **2008**, 204, 20-26	2.7	40
387	A class of nonlinear fourth order variant of a generalized Camassa Holm equation with compact and noncompact solutions. *Applied Mathematics and Computation*, **2005**, 165, 485-501	2.7	40
386	Multiple soliton solutions for the ()-dimensional asymmetric Nizhnik Novikov Veselov equation. *Nonlinear Analysis: Theory, Methods & Applications*, **2010**, 72, 1314-1318	1.3	39

385	The sine-cosine and the tanh methods: Reliable tools for analytic treatment of nonlinear dispersive equations. *Applied Mathematics and Computation*, **2006**, 173, 150-164	2.7	39
384	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	2.7	39
383	Painlevé analysis for a new integrable equation combining the modified Calogero-Bogoyavlenskii-Schiff (MCBS) equation with its negative-order form. *Nonlinear Dynamics*, **2018**, 91, 877-883	5	39
382	N-soliton solutions for the Vakhnenko equation and its generalized forms. *Physica Scripta*, **2010**, 82, 065006		38
381	A study on nonlinear dispersive partial differential equations of compact and noncompact solutions. *Applied Mathematics and Computation*, **2003**, 135, 399-409	2.7	38
380	Analytic study on triple-S, triple-triangle structure interactions for solitons in inhomogeneous multi-mode fiber. *Applied Mathematics and Computation*, **2019**, 361, 325-331	2.7	37
379	Optical solitons for nonlinear Schrödinger (NLS) equation in normal dispersive regimes. *Optik*, **2019**, 184, 428-435	2.5	37
378	A study on the systems of the Volterra integral forms of the Lane-Emden equations by the Adomian decomposition method. *Mathematical Methods in the Applied Sciences*, **2014**, 37, 10-19	2.3	37
377	Solitary wave solutions for a generalized KdV-mKdV equation with variable coefficients. *Mathematics and Computers in Simulation*, **2010**, 80, 1867-1873	3.3	37
376	Exact solutions of compact and noncompact structures for the KP-BBM equation. *Applied Mathematics and Computation*, **2005**, 169, 700-712	2.7	37
375	The modified decomposition method applied to unsteady flow of gas through a porous medium. *Applied Mathematics and Computation*, **2001**, 118, 123-132	2.7	37
374	New extended Kadomtsev-Petviashvili equation: multiple soliton solutions, breather, lump and interaction solutions. *Nonlinear Dynamics*, **2021**, 104, 1581-1594	5	37
373	Neuro-heuristic computational intelligence for solving nonlinear pantograph systems. *Frontiers of Information Technology and Electronic Engineering*, **2017**, 18, 464-484	2.2	36
372	Exact Soliton and Kink Solutions for New (3+1)-Dimensional Nonlinear Modified Equations of Wave Propagation. *Open Engineering*, **2017**, 7, 169-174	1.7	35
371	Two forms of (3 + 1)-dimensional B-type Kadomtsev-Petviashvili equation: multiple soliton solutions. *Physica Scripta*, **2012**, 86, 035007	2.6	35
370	The (2+1) and (3+1)-Dimensional CBS Equations: Multiple Soliton Solutions and Multiple Singular Soliton Solutions. *Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences*, **2010**, 65, 173-181	1.4	35
369	A study on KdV and Gardner equations with time-dependent coefficients and forcing terms. *Applied Mathematics and Computation*, **2010**, 217, 2277-2281	2.7	35
368	New kinks and solitons solutions to the (2+1) -dimensional Konopelchenko-Dubrovsky equation. *Mathematical and Computer Modelling*, **2007**, 45, 473-479		35

367	The integrable KdV6 equations: Multiple soliton solutions and multiple singular soliton solutions. *Applied Mathematics and Computation*, **2008**, 204, 963-972	2.7	35
366	Transformation of soliton states for a (2+1) dimensional fourth-order nonlinear Schrödinger equation in the Heisenberg ferromagnetic spin chain. *Laser Physics*, **2019**, 29, 035401	1.2	34
365	Multiple soliton solutions for a (2+1)-dimensional integrable KdV6 equation. *Communications in Nonlinear Science and Numerical Simulation*, **2010**, 15, 1466-1472	3.7	34
364	Solitons and periodic solutions for the fifth-order KdV equation. *Applied Mathematics Letters*, **2006**, 19, 1162-1167	3.5	34
363	New travelling wave solutions of different physical structures to generalized BBM equation. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2006**, 355, 358-362	2.3	34
362	Compact and noncompact physical structures for the ZK–BBM equation. *Applied Mathematics and Computation*, **2005**, 169, 713-725	2.7	34
361	The decomposition method for approximate solution of the Goursat problem. *Applied Mathematics and Computation*, **1995**, 69, 299-311	2.7	34
360	Optical Gaussons for nonlinear logarithmic Schrödinger equations via the variational iteration method. *Optik*, **2019**, 180, 414-418	2.5	34
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#	Publication		
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