Abdul Majid Wazwaz

List of Publications by Year in Descending Order

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	Derivation of lump solutions to a variety of Boussinesq equations with distinct dimensions. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2022**, ahead-of-print,	4.5	1
527	The generation mechanism of multiple-pole solutions for the fifth-order mKdV equation. *European Physical Journal Plus*, **2022**, 137, 1	3.1	0
526	Optical envelope soliton solutions for coupled nonlinear Schrödinger equations applicable to high birefringence fibers. *Optik*, **2022**, 255, 168673	2.5	4
525	Lump molecules in fluid systems: Kadomtsev-Petviashvili I case. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2022**, 424, 127848	2.3	3
524	On the modified Gardner type equation and its time fractional form. *Chaos, Solitons and Fractals*, **2022**, 155, 111694	9.3	8
523	Bright and dark optical solitons of the (2+1)-dimensional perturbed nonlinear Schrödinger equation in nonlinear optical fibers. *Optik*, **2022**, 251, 168334	2.5	10
522	An Efficient Method for Solving the Generalized Thomas–Fermi and Lane–Emden–Fowler Type Equations with Nonlocal Integral Type Boundary Conditions. *International Journal of Applied and Computational Mathematics*, **2022**, 8, 1	1.3	1
521	Lie Symmetries, Closed-Form Solutions, and Various Dynamical Profiles of Solitons for the Variable Coefficient (2+1)-Dimensional KP Equations. *Symmetry*, **2022**, 14, 597	2.7	9
520	Analytical approximations of three-point generalized Thomas–Fermi and Lane–Emden–Fowler type equations. *European Physical Journal Plus*, **2022**, 137, 1	3.1	1
519	Adomian decomposition method for modelling the dissipative higher-order rogue waves in a superthermal collisional plasma. *Journal of Taibah University for Science*, **2021**, 15, 971-983	3	6
518	Exponential time differencing method for modeling the dissipative rouge waves and breathers in a collisional plasma. *European Physical Journal Plus*, **2021**, 136, 1	3.1	4
517	Protracted study on a real physical phenomenon generated by media inhomogeneities. *Results in Physics*, **2021**, 31, 104933	3.7	9
516	Soliton solutions through optical fibers for quadratic–cubic nonlinear medium: A complex ansätze approach. *Optik*, **2021**, 229, 166268	2.5	6
515	A (2+1)-dimensional Kadomtsev–Petviashvili equation with competing dispersion effect: Painlevé analysis, dynamical behavior and invariant solutions. *Results in Physics*, **2021**, 23, 104043	3.7	33
514	Computational Method for Reaction Diffusion-Model Arising in a Spherical Catalyst. *International Journal of Applied and Computational Mathematics*, **2021**, 7, 1	1.3	8
513	New extended Kadomtsev–Petviashvili equation: multiple soliton solutions, breather, lump and interaction solutions. *Nonlinear Dynamics*, **2021**, 104, 1581-1594	5	37
512	Lie symmetries, optimal system, group-invariant solutions and dynamical behaviors of solitary wave solutions for a (3+1)-dimensional KdV-type equation. *European Physical Journal Plus*, **2021**, 136, 1	3.1	16

511	Plasma-waves evolution and propagation modeled by sixth order Ramani and coupled Ramani equations using symmetry methods. *Physica Scripta*, **2021**, 96, 085213	2.6	0
510	Two new Painlevé integrable KdV–Calogero–Bogoyavlenskii–Schiff (KdV-CBS) equation and new negative-order KdV-CBS equation. *Nonlinear Dynamics*, **2021**, 104, 4311	5	6
509	Two (3+1)-dimensional Schrödinger equations with cubic–quintic–septic nonlinearities: Bright and dark optical solitons. *Optik*, **2021**, 235, 166646	2.5	10
508	A Multiple Variational Iteration Method for Nonlinear Two-Point Boundary Value Problems with Nonlinear Conditions. *International Journal of Computational Methods*, **2021**, 18, 2050028	1.1	1
507	A variety of multiple-soliton solutions for the integrable (4+1)-dimensional Fokas equation. *Waves in Random and Complex Media*, **2021**, 31, 46-56	1.9	9
506	Einstein's vacuum field equation: Painlevé analysis and Lie symmetries. *Waves in Random and Complex Media*, **2021**, 31, 199-206	1.9	17
505	A variety of completely integrable Calogero–Bogoyavlenskii–Schiff equations with time-dependent coefficients. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2021**, 31, 174-185	4.5	9
504	Breather wave and lump-type solutions of new (3 + 1)-dimensional Boiti–Leon–Manna–Pempinelli equation in incompressible fluid. *Mathematical Methods in the Applied Sciences*, **2021**, 44, 2200-2208	2.3	18
503	Bright and dark optical solitons for (3+1)-dimensional Schrödinger equation with cubic–quintic-septic nonlinearities. *Optik*, **2021**, 225, 165752	2.5	26
502	Analytical and numerical treatment to the (2+1)-dimensional Date-Jimbo-Kashiwara-Miwa equation. *Nonlinear Engineering*, **2021**, 10, 187-200	3	3
501	The Numerical Validation of the Adomian Decomposition Method for Solving Volterra Integral Equation with Discontinuous Kernels Using the CESTAC Method. *Mathematics*, **2021**, 9, 260	2.3	18
500	Perturbation, symmetry analysis, Bäcklund and reciprocal transformation for the extended Boussinesq equation in fluid mechanics. *Communications in Theoretical Physics*, **2021**, 73, 045003	2.4	5
499	Lie symmetry analysis for complex soliton solutions of coupled complex short pulse equation. *Mathematical Methods in the Applied Sciences*, **2021**, 44, 5238-5250	2.3	7
498	New (3+1)-dimensional integrable fourth-order nonlinear equation: lumps and multiple soliton solutions. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2021**, ahead-of-print,	4.5	1
497	A new (3+1)-dimensional Kadomtsev–Petviashvili equation and its integrability, multiple-solitons, breathers and lump waves. *Mathematics and Computers in Simulation*, **2021**, 187, 505-519	3.3	32
496	Conformable space-time fractional nonlinear (1+1)-dimensional Schrödinger-type models and their traveling wave solutions. *Chaos, Solitons and Fractals*, **2021**, 150, 111187	9.3	15
495	New ((3+1))-dimensional Painlevé integrable fifth-order equation with third-order temporal dispersion. *Nonlinear Dynamics*, **2021**, 106, 891-897	5	3
494	Bright and dark optical solitons for a new (3+1)-dimensional nonlinear Schrödinger equation. *Optik*, **2021**, 241, 166985	2.5	15

493	Higher-order Sasa–Satsuma equation: Bright and dark optical solitons. *Optik*, **2021**, 243, 167421	2.5	7
492	Novel bifurcation solitons for an extended Kadomtsev–Petviashvili equation in fluids. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2021**, 413, 127585	2.3	10
491	A variety of bright and dark optical soliton solutions of an extended higher-order Sasa–Satsuma equation. *Optik*, **2021**, 247, 167938	2.5	2
490	On short-range pulse propagation described by (2 + 1)-dimensional Schrödinger's hyperbolic equation in nonlinear optical fibers. *Physica Scripta*, **2020**, 95, 075203	2.6	21
489	New integrable (2+1)-dimensional sine-Gordon equations with constant and time-dependent coefficients: Multiple optical kink wave solutions. *Optik*, **2020**, 216, 164640	2.5	13
488	New integrable (2+1)- and (3+1)-dimensional sinh-Gordon equations with constant and time-dependent coefficients. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2020**, 384, 126529	2.3	10
487	Kadomtsev–Petviashvili hierarchy: two integrable equations with time-dependent coefficients. *Nonlinear Dynamics*, **2020**, 100, 3711-3716	5	25
486	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	19
485	Multiple optical kink solutions for new Painlevé-integrable (3+1)-dimensional sine-Gordon equations with constant and time-dependent coefficients. *Optik*, **2020**, 219, 165003	2.5	2
484	Optical bright and dark soliton solutions for coupled nonlinear Schrödinger (CNLS) equations by the variational iteration method. *Optik*, **2020**, 207, 164457	2.5	24
483	Painlevé analysis for Boiti–Leon–Manna–Pempinelli equation of higher dimensions with time-dependent coefficients: Multiple soliton solutions. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2020**, 384, 126310	2.3	21
482	Two new Painlevé-integrable (2+1) and (3+1)-dimensional KdV equations with constant and time-dependent coefficients. *Nuclear Physics B*, **2020**, 954, 115009	2.8	27
481	SOLITARY AND LUMP WAVES INTERACTION IN VARIABLE-COEFFICIENT NONLINEAR EVOLUTION EQUATION BY A MODIFIED ANSÄTZ WITH VARIABLE COEFFICIENTS. *Journal of Applied Analysis and Computation*, **2020**, 0-0	0.4	1
480	Novel high-order breathers and rogue waves in the Boussinesq equation via determinants. *Mathematical Methods in the Applied Sciences*, **2020**, 43, 3701-3715	2.3	11
479	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
478	Bright, dark and Gaussons optical solutions for fourth-order Schrödinger equations with cubic–quintic and logarithmic nonlinearities. *Optik*, **2020**, 202, 163564	2.5	19
477	Lump, multi-lump, cross kinky-lump and manifold periodic-soliton solutions for the (2+1)-D Calogero-Bogoyavlenskii-Schiff equation. *Heliyon*, **2020**, 6, e03701	3.6	13
476	Lie symmetry analysis, exact analytical solutions and dynamics of solitons for (2 + 1)-dimensional NNV equations. *Physica Scripta*, **2020**, 95, 095204	2.6	52

475	Simulation of large deflections of a flexible cantilever beam fabricated from functionally graded materials by the Adomian decomposition method. *International Journal of Dynamical Systems and Differential Equations*, **2020**, 10, 287	0.4	1
474	Forward scattering for non-linear wave propagation in (3 + 1)-dimensional Jimbo-Miwa equation using singular manifold and group transformation methods. *Waves in Random and Complex Media*, **2020**, 1-13	1.9	6
473	Higher dimensional nonlinear Schrödinger equations in anomalous dispersion and normal dispersive regimes: Bright and dark optical solitons. *Optik*, **2020**, 222, 165327	2.5	10
472	New (3 + 1)-dimensional Date-Jimbo-Kashiwara-Miwa equations with constant and time-dependent coefficients: Painlevé integrability. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2020**, 384, 126787	2.3	13
471	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
470	Lie symmetry analysis and soliton solutions for complex short pulse equation. *Waves in Random and Complex Media*, **2020**, 1-12	1.9	1
469	Two new integrable Kadomtsev–Petviashvili equations with time-dependent coefficients: multiple real and complex soliton solutions. *Waves in Random and Complex Media*, **2020**, 30, 776-786	1.9	6
468	New extended rational trigonometric methods and applications. *Waves in Random and Complex Media*, **2020**, 30, 5-26	1.9	15
467	Construction of exact solutions in a magneto-electro-elastic circular rod. *Waves in Random and Complex Media*, **2020**, 30, 340-353	1.9	2
466	Repeated application of the recursion operator for a new hierarchy of negative-order integrable KdV equations. *Waves in Random and Complex Media*, **2020**, 30, 300-307	1.9	0
465	A (2+1)-dimensional time-dependent Date–Jimbo–Kashiwara–Miwa equation: Painlevé integrability and multiple soliton solutions. *Computers and Mathematics With Applications*, **2020**, 79, 1145-1149	2.7	24
464	A variety of optical solitons for nonlinear Schrödinger equation with detuning term by the variational iteration method. *Optik*, **2019**, 196, 163169	2.5	24
463	Integrability aspects and localized wave solutions for a new (mathbf (4+1))-dimensional Boiti–Leon–Manna–Pempinelli equation. *Nonlinear Dynamics*, **2019**, 98, 1379-1390	5	28
462	The integrable time-dependent sine-Gordon equation with multiple optical kink solutions. *Optik*, **2019**, 182, 605-610	2.5	30
461	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
460	Two new integrable modified KdV equations, of third-and fifth-order, with variable coefficients: multiple real and multiple complex soliton solutions. *Waves in Random and Complex Media*, **2019**, 1-12	1.9	5
459	Two integrable third-order and fifth-order KdV equations with time-dependent coefficients. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2019**, 29, 2093-2102	4.5	5
458	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

457	New integrable Boussinesq equations of distinct dimensions with diverse variety of soliton solutions. *Nonlinear Dynamics*, **2019**, 97, 83-94	5	42
456	Optical solitons for nonlinear Schrödinger (NLS) equation in normal dispersive regimes. *Optik*, **2019**, 184, 428-435	2.5	37
455	Multiple complex soliton solutions for the integrable KdV, fifth-order Lax, modified KdV, Burgers, and Sharma–Tasso–Olver equations. *Chinese Journal of Physics*, **2019**, 59, 372-378	3.5	27
454	Characteristics of integrability, bidirectional solitons and localized solutions for a ((3+1))-dimensional generalized breaking soliton equation. *Nonlinear Dynamics*, **2019**, 96, 1989-2000	5	28
453	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
452	High-order breathers, lumps, and semi-rational solutions to the (2 + 1)-dimensional Hirota–Satsuma–Ito equation. *Physica Scripta*, **2019**, 94, 075203	2.6	17
451	Multiple complex soliton solutions for integrable negative-order KdV and integrable negative-order modified KdV equations. *Applied Mathematics Letters*, **2019**, 88, 1-7	3.5	27
450	Families of semi-rational solutions to the Kadomtsev–Petviashvili I equation. *Communications in Nonlinear Science and Numerical Simulation*, **2019**, 67, 480-491	3.7	26
449	Group invariant solutions of (2+1)-dimensional rdDym equation using optimal system of Lie subalgebra. *Physica Scripta*, **2019**, 94, 115202	2.6	12
448	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
447	Two new Painlevé integrable extended Sakovich equations with (2 + 1) and (3 + 1) dimensions. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2019**, 30, 1379-1387	4.5	8
446	Painlevé analysis for three integrable shallow water waves equations with time-dependent coefficients. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2019**, 30, 996-1008	4.5	8
445	Painlevé analysis for new (3 + 1)-dimensional Boiti–Leon–Manna–Pempinelli equations with constant and time-dependent coefficients. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2019**, 30, 4259-4266	4.5	9
444	An extended time-dependent KdV6 equation. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2019**, 29, 4205-4212	4.5	0
443	New integrable Vakhnenko–Parkes (VP) equations with time-dependent coefficients. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2019**, 29, 4598-4606	4.5	5
442	Construction of a hierarchy of negative-order integrable Burgers equations of higher orders. *Mathematical Methods in the Applied Sciences*, **2019**, 42, 1553-1560	2.3	1
441	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
440	Group invariant solutions of (3+1)-dimensional generalized B-type Kadomstsev Petviashvili equation using optimal system of Lie subalgebra. *Physica Scripta*, **2019**, 94, 065204	2.6	32

439	Bright–dark optical solitons for Schrödinger-Hirota equation with variable coefficients. *Optik*, **2019**, 179, 479-484	2.5	57
438	Abundant complex wave solutions for the nonautonomous Fokas–Lenells equation in presence of perturbation terms. *Optik*, **2019**, 181, 503-513	2.5	65
437	The integrable Vakhnenko–Parkes (VP) and the modified Vakhnenko–Parkes (MVP) equations: Multiple real and complex soliton solutions. *Chinese Journal of Physics*, **2019**, 57, 375-381	3.5	30
436	Optical Gaussons for nonlinear logarithmic Schrödinger equations via the variational iteration method. *Optik*, **2019**, 180, 414-418	2.5	34
435	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
434	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
433	A variety of negative-order integrable KdV equations of higher orders. *Waves in Random and Complex Media*, **2019**, 29, 195-203	1.9	9
432	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
431	Exact wave solutions for the nonlinear time fractional Sharma–Tasso–Olver equation and the fractional Klein–Gordon equation in mathematical physics. *Optical and Quantum Electronics*, **2018**, 50, 1	2.4	20
430	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
429	Interaction of lumps and dark solitons in the Mel'nikov equation. *Nonlinear Dynamics*, **2018**, 92, 2049-2059	5	27
428	Two-mode Sharma-Tasso-Olver equation and two-mode fourth-order Burgers equation: Multiple kink solutions. *AEJ - Alexandria Engineering Journal*, **2018**, 57, 1971-1976	6.1	19
427	A new integrable equation combining the modified KdV equation with the negative-order modified KdV equation: multiple soliton solutions and a variety of solitonic solutions. *Waves in Random and Complex Media*, **2018**, 28, 533-543	1.9	15
426	A new integrable equation that combines the KdV equation with the negative-order KdV equation. *Mathematical Methods in the Applied Sciences*, **2018**, 41, 80-87	2.3	14
425	Multiple complex and multiple real soliton solutions for the integrable sine-Gordon equation. *Optik* , **2018**, 172, 622-627	2.5	27
424	Painlevé analysis and invariant solutions of generalized fifth-order nonlinear integrable equation. *Nonlinear Dynamics*, **2018**, 94, 2469-2477	5	49
423	Negative-order integrable modified KdV equations of higher orders. *Nonlinear Dynamics*, **2018**, 93, 1371-1376	5	23
422	Two new integrable fourth-order nonlinear equations: multiple soliton solutions and multiple complex soliton solutions. *Nonlinear Dynamics*, **2018**, 94, 2655-2663	5	48

421	New exact solutions to extended (3 + 1)-dimensional Jimbo-Miwa equations by using bilinear forms. *Mathematical Methods in the Applied Sciences*, **2018**, 41, 7566-7575	2.3	8
420	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
419	Closed form traveling wave solutions of non-linear fractional evolution equations through the modified simple equation method. *Thermal Science*, **2018**, 22, 341-352	1.2	4
418	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
417	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
416	The successive differentiation computer-assisted method for solving well-known scientific and engineering models. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2018**, 28, 2862-2873	4.5	0
415	Comment on "Soliton solutions and chaotic motion of the extended Zakharov-Kuznetsov equations in a magnetized two-ion-temperature dusty plasma" [Phys. Plasmas 21, 073709 (2014)]. *Physics of Plasmas*, **2018**, 25, 104701	2.1	1
414	A new nonlinear integrable fifth-order equation: multiple soliton solutions with unusual phase shifts. *Physica Scripta*, **2018**, 93, 115201	2.6	16
413	Anatomy of modified Korteweg–de Vries equation for studying the modulated envelope structures in non-Maxwellian dusty plasmas: Freak waves and dark soliton collisions. *Physics of Plasmas*, **2018**, 25, 092105	2.1	18
412	Optical solitons for perturbed Gerdjikov–Ivanov equation. *Optik*, **2018**, 174, 447-451	2.5	26
411	Higher order numeric solutions of the Lane–Emden-type equations derived from the multi-stage modified Adomian decomposition method. *International Journal of Computer Mathematics*, **2017**, 94, 197-215	1.2	16
410	A numerical approach for a class of astrophysics equations using piecewise spectral-variational iteration method. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2017**, 27, 358-378	4.5	6
409	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
408	Combined optical solitary waves of the Fokas–Lenells equation. *Waves in Random and Complex Media*, **2017**, 27, 587-593	1.9	60
407	A study on a two-wave mode Kadomtsev–Petviashvili equation: conditions for multiple soliton solutions to exist. *Mathematical Methods in the Applied Sciences*, **2017**, 40, 4128-4133	2.3	29
406	Dual solutions for nonlinear boundary value problems by the variational iteration method. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2017**, 27, 210-220	4.5	10
405	A two-mode modified KdV equation with multiple soliton solutions. *Applied Mathematics Letters*, **2017**, 70, 1-6	3.5	51
404	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

403	Three-dimensional modulational instability of the electrostatic waves in e□□magnetoplasmas having superthermal particles. *Physics of Plasmas*, **2017**, 24, 022126	2.1	7
402	Negative-Order KdV and Negative-Order KP Equations: Multiple Soliton Solutions. *Proceedings of the National Academy of Sciences India Section A - Physical Sciences*, **2017**, 87, 291-296	0.9	10
401	On the nonlinear dynamics of breathers waves in electronegative plasmas with Maxwellian negative ions. *Physics of Plasmas*, **2017**, 24, 022105	2.1	24
400	A Two-Mode Burgers Equation of Weak Shock Waves in a Fluid: Multiple Kink Solutions and Other Exact Solutions. *International Journal of Applied and Computational Mathematics*, **2017**, 3, 3977-3985	1.3	23
399	Negative-order KdV equations in (3+1) dimensions by using the KdV recursion operator. *Waves in Random and Complex Media*, **2017**, 27, 768-778	1.9	14
398	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
397	Neuro-heuristic computational intelligence for solving nonlinear pantograph systems. *Frontiers of Information Technology and Electronic Engineering*, **2017**, 18, 464-484	2.2	36
396	Solving the non-isothermal reaction-diffusion model equations in a spherical catalyst by the variational iteration method. *Chemical Physics Letters*, **2017**, 679, 132-136	2.5	27
395	Some applications of the (G?/G, 1/G)-expansion method to find new exact solutions of NLEEs. *European Physical Journal Plus*, **2017**, 132, 1	3.1	23
394	On the super freak waves in multicomponent plasmas having two-negative ions: Xe + □F □□F 6 and Ar + □F□□F 6 plasmas. *Indian Journal of Physics*, **2017**, 91, 939-946	1.4	12
393	A new integrable nonlocal modified KdV equation: Abundant solutions with distinct physical structures. *Journal of Ocean Engineering and Science*, **2017**, 2, 1-4	4.4	13
392	Some classification of non-commutative Integrable Systems. *Nonlinear Dynamics*, **2017**, 88, 1487-1492	5	5
391	Numerical Investigation of the Beam-Type Nano-electrostatic Actuator Model by Using the Birkhoff Interpolation Method. *International Journal of Applied and Computational Mathematics*, **2017**, 3, 129-146	1.3	4
390	Two wave mode higher-order modified KdV equations. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2017**, 27, 2223-2230	4.5	30
389	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
388	Closed form solutions of complex wave equations via the modified simple equation method. *Cogent Physics*, **2017**, 4, 1312751	3.5	16
387	Unsteady Rheology of MHD Newtonian Material with Soret and Dufours Effects. *International Journal of Applied and Computational Mathematics*, **2017**, 3, 1299-1311	1.3	
386	Multiple and exact soliton solutions of the perturbed Korteweg-de Vries equation of long surface waves in a convective fluid via Painlev□analysis, factorization, and simplest equation methods. *Physical Review E*, **2017**, 95, 062211	2.4	11

385	The variational iteration method for solving systems of third-order Emden-Fowler type equations. *Journal of Mathematical Chemistry*, **2017**, 55, 799-817	2.1	6
384	Two-mode fifth-order KdV equations: necessary conditions for multiple-soliton solutions to exist. *Nonlinear Dynamics*, **2017**, 87, 1685-1691	5	61
383	Some new integrable systems of two-component fifth-order equations. *Nonlinear Dynamics*, **2017**, 87, 1111-1120	5	13
382	A new trial equation method for finding exact chirped soliton solutions of the quintic derivative nonlinear Schrödinger equation with variable coefficients. *Waves in Random and Complex Media*, **2017**, 27, 153-162	1.9	8
381	Multiple-soliton solutions for extended (3+1)-dimensional Jimbo–Miwa equations. *Applied Mathematics Letters*, **2017**, 64, 21-26	3.5	99
380	A New Integrable Equation Constructed via Combining the Recursion Operator of the Calogero-Bogoyavlenskii–Schiff (CBS) Equation and its Inverse Operator. *Applied Mathematics and Information Sciences*, **2017**, 11, 1241-1246	2.4	8
379	A variety of soliton solutions for the Boussinesq-Burgers equation and the higher-order Boussinesq-Burgers equation. *Filomat*, **2017**, 31, 831-840	0.7	11
378	Kadomtsev–Petviashvili hierarchy: N-soliton solutions and distinct dispersion relations. *Applied Mathematics Letters*, **2016**, 52, 74-79	3.5	26
377	Gaussian solitary wave solutions for nonlinear evolution equations with logarithmic nonlinearities. *Nonlinear Dynamics*, **2016**, 83, 591-596	5	82
376	An efficient semi-numerical technique for solving nonlinear singular boundary value problems arising in various physical models. *International Journal of Computer Mathematics*, **2016**, 93, 1330-1346	1.2	19
375	Negative-order modified KdV equations: multiple soliton and multiple singular soliton solutions. *Mathematical Methods in the Applied Sciences*, **2016**, 39, 661-667	2.3	27
374	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
373	Gaussian soliton solutions to a variety of nonlinear logarithmic Schrödinger equation. *Journal of Electromagnetic Waves and Applications*, **2016**, 30, 1909-1917	1.3	15
372	Multiple soliton solutions and other exact solutions for a two-mode KdV equation. *Mathematical Methods in the Applied Sciences*, **2016**, 40, 2277	2.3	7
371	Numerical solutions of fourth-order Volterra integro-differential equations by the Green's function and decomposition method. *Mathematical Sciences*, **2016**, 10, 159-166	1.6	6
370	A seventh-order member of KdV6 hierarchy and its (2+1)-dimensional extensions. *Modern Physics Letters B*, **2016**, 30, 1650198	1.6	4
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