Dian Chen Lu

List of Publications by Year
in descending order

217 papers	6,454 citations	66315 42 h-index	106281 65 g-index
220 all docs	220 docs citations	220 times ranked	1696 citing authors

#	ARTICLE	IF	CITATIONS
1	On the phase separation in the ternary alloys: Numerical and computational simulations of the <scp>Atangana–Baleanu</scp> time–fractional <scp>Cahn–Allen</scp> equation. Numerical Methods for Partial Differential Equations, 2024, 40, .	2.0	1
2	On rigorous computational and numerical solutions for the voltages of the electrified transmission range with the day yet distance. Numerical Methods for Partial Differential Equations, 2024, 40, .	2.0	2
3	The weakly nonlinear wave propagation of the generalized third-order nonlinear Schrödinger equation and its applications. Waves in Random and Complex Media, 2022, 32, 819-831.	1.6	34
4	Diverse Soliton wave solutions of for the nonlinear potential Kadomtsev–Petviashvili and Calogero–Degasperis equations. Results in Physics, 2022, 33, 105116.	2.0	40
5	Abundant stable novel solutions of fractional-order epidemic model along with saturated treatment and disease transmission. Open Physics, 2022, 19, 843-852.	0.8	4
6	Unstable novel and accurate soliton wave solutions of the nonlinear biological population model. Arab Journal of Basic and Applied Sciences, 2022, 29, 19-25.	1.0	20
7	Abundant accurate analytical and semi-analytical solutions of the positive Gardner–Kadomtsev–Petviashvili equation. Open Physics, 2022, 20, 30-39.	0.8	19
8	Computational Simulations; Abundant Optical Wave Solutions Atangana Conformable Fractional Nonlinear Schrödinger Equation. Advances in Mathematical Physics, 2022, 2022, 1-13.	0.4	6
9	Accurate demonstrating of the interactions of two long waves with different dispersion relations: Generalized Hirota–Satsuma couple KdV equation. AIP Advances, 2022, 12, .	0.6	24
10	Soliton wave solutions of ion-acoustic waves a cold plasma with negative ions. Journal of Low Frequency Noise Vibration and Active Control, 2022, 41, 852-895.	1.3	7
11	The pulses propagation beyond ultra-short range in the systems of optical communication via higher-order nonlinear Schrödinger equation with derivative non-Kerr nonlinear terms. Indian Journal of Physics, 2021, 95, 2047-2056.	0.9	2
12	Analytical and semi-analytical solutions for time–fractional Cahn–Allen equation. Mathematical Methods in the Applied Sciences, 2021, 44, 2682-2691.	1.2	32
13	New exact traveling wave solutions of the unstable nonlinear Schrödinger equations and their applications. Optik, 2021, 226, 165386.	1.4	18
14	Elliptic function solutions, modulation instability and optical solitons analysis of the paraxial wave dynamical model with Kerr media. Optical and Quantum Electronics, 2021, 53, 1.	1.5	31
15	Elliptic function soliton solutions of the higher-order nonlinear dispersive Kundu–Eckhaus dynamical equation with applications and stability. Indian Journal of Physics, 2021, 95, 691-704.	0.9	0
16	Computational and numerical simulations for the deoxyribonucleic acid (DNA) model. Discrete and Continuous Dynamical Systems - Series S, 2021, 14, 3459.	0.6	29
17	Novel computational and accurate numerical solutions of the modified Benjamin–Bona–Mahony (BBM) equation arising in the optical illusions field. AEJ - Alexandria Engineering Journal, 2021, 60, 1797-1806.	3.4	64
18	Study of couple stresses and wall permeability effects on the flow in permeable membranes. Chinese Journal of Physics, 2021, 69, 271-284.	2.0	3

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19	Novel traveling wave solutions and stability analysis of perturbed Kaup-Newell Schrödinger dynamical model and its applications*. Chinese Physics B, 2021, 30, 020201.	0.7	9
20	Flow over a Needle Moving in a Stream of Dissipative Fluid Having Variable Viscosity and Thermal Conductivity. Arabian Journal for Science and Engineering, 2021, 46, 7295-7302.	1.7	10
21	Numerical study of energy transmission through copper-based nanofluid contained in a partially heated isosceles triangular cavity in the presence of heat source/sink. Physica Scripta, 2021, 96, 055222.	1.2	2
22	Analytical versus numerical solutions of the nonlinear fractional time–space telegraph equation. Modern Physics Letters B, 2021, 35, 2150324.	1.0	78
23	Fluid model using recursive approach: Application to permeable slit with uniform reabsorption and velocity slip. Results in Physics, 2021, 25, 104196.	2.0	4
24	Abundant Wave Accurate Analytical Solutions of the Fractional Nonlinear Hirota–Satsuma–Shallow Water Wave Equation. Fluids, 2021, 6, 235.	0.8	27
25	Diverse Novel Stable Traveling Wave Solutions of the Advanced or Voltage Spectrum of Electrified Transmission Through Fractional Non-linear Model. Frontiers in Physics, 2021, 9, .	1.0	3
26	Abundant Traveling Wave and Numerical Solutions of Weakly Dispersive Long Waves Model. Symmetry, 2021, 13, 1085.	1.1	22
27	Sub-10-fs-pulse propagation between analytical and numerical investigation. Results in Physics, 2021, 25, 104133.	2.0	37
28	Numerical Simulation of Fractional Zakharov–Kuznetsov Equation for Description of Temporal Discontinuity Using Projected Differential Transform Method. Complexity, 2021, 2021, 1-11.	0.9	5
29	Sustainable Teacher Training via Distance Education: The Effect of Study Centers, Gender and Economic Demographics on Academic Performance. Sustainability, 2021, 13, 7965.	1.6	5
30	Novel explicit breath wave and numerical solutions of an Atangana conformable fractional Lotka–Volterra model. AEJ - Alexandria Engineering Journal, 2021, 60, 4735-4743.	3.4	19
31	Corrigendum to "Analytical and numerical simulations for the kinetics of phase separation in iron (Fe-Cr-X (X = Mo, Cu)) based on ternary alloys"[Phys. A 537C (2019) 122634]. Physica A: Statistical Mechanics and Its Applications, 2021, 584, 126369.	1.2	5
32	Optical soliton structure of the sub-10-fs-pulse propagation model. Journal of Optics (India), 2021, 50, 109-119.	0.8	23
33	Novel Soliton Solutions of Two-Mode Sawada-Kotera Equation and Its Applications. IEEE Access, 2021, 9, 127368-127381.	2.6	11
34	Computational schemes between the exact, analytical and numerical solution in present of time–fractional ecological model. Physica Scripta, 2021, 96, 035207.	1.2	4
35	Numerical solutions of coupled nonlinear fractional KdV equations using He's fractional calculus. International Journal of Modern Physics B, 2021, 35, 2150023.	1.0	11
36	Superabundant novel solutions of the long waves mathematical modeling in shallow water with power-law nonlinearity in ocean beaches via three recent analytical schemes. European Physical Journal Plus, 2021, 136, 1.	1.2	12

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37	Diverse novel solutions for the ionic current using the microtubule equation based on two recent computational schemes. Journal of Computational Electronics, 2021, 20, 2604-2613.	1.3	6
38	Stable novel and accurate solitary wave solutions of an integrable equation: Qiao model. Open Physics, 2021, 19, 742-752.	0.8	11
39	Construction of soliton solutions of the modify unstable nonlinear Schrödinger dynamical equation in fiber optics. Indian Journal of Physics, 2020, 94, 823-832.	0.9	44
40	Propagation of long-wave with dissipation and dispersion in nonlinear media via generalized Kadomtsive–Petviashvili modified equal width-Burgers equation. Indian Journal of Physics, 2020, 94, 675-687.	0.9	44
41	Analytical and numerical simulations for the kinetics of phase separation in iron (Fe–Cr–X (X=Mo,) Tj ETQq1 1 0.784314 rgBT /Over	1.2	68
42	Soliton solutions of higher order dispersive cubic-quintic nonlinear Schrödinger equation and its applications. Chinese Journal of Physics, 2020, 67, 405-413.	2.0	28
43	On the computational and numerical solutions of the transmission of nerve impulses of an excitable system (the neuron system). Journal of Intelligent and Fuzzy Systems, 2020, 38, 2603-2610.	0.8	8
44	Abundant numerical and analytical solutions of the generalized formula of Hirota-Satsuma coupled KdV system. Chaos, Solitons and Fractals, 2020, 131, 109473.	2.5	67
45	Analytical and numerical solutions for the current and voltage model on an electrical transmission line with time and distance. Physica Scripta, 2020, 95, 055206.	1.2	37
46	A mathematical model of blood flow in a permeable channel: application to flat plate dialyzer. Physica Scripta, 2020, 95, 045202.	1.2	14
47	Numerical Simulation of 3D Condensation Nanofluid Film Flow with Carbon Nanotubes on an Inclined Rotating Disk. Applied Sciences (Switzerland), 2020, 10, 168.	1.3	27
48	Computational and Numerical Solutions for 2+1-Dimensional Integrable Schwarz–Korteweg–de Vries Equation with Miura Transform. Complexity, 2020, 2020, 1-13.	0.9	3
49	On the Analytical and Numerical Solutions in the Quantum Magnetoplasmas: The Atangana Conformable Derivative (<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML") Tj ETQq1 1 0.784314 rgBT /Overlock 10 T with Power-Law Nonlinearity. Advances in Mathematical Physics, 2020, 2020, 1-10.	0.4	10
50	Dynamical Behaviour of the Light Pulses through the Optical Fiber: Two Nonlinear Atangana Conformable Fractional Evolution Equations. Journal of Mathematics, 2020, 2020, 1-6.	0.5	5
51	Aspects of entropy generation for the non-similar three-dimensional bioconvection flow of nanofluids. AIP Advances, 2020, 10, .	0.6	21
52	A novel model to analyze Darcy Forchheimer nanofluid flow in a permeable medium with Entropy generation analysis. Journal of Taibah University for Science, 2020, 14, 916-930.	1.1	23
53	Abundant new computational wave solutions of the GM-DP-CH equation via two modified recent computational schemes. Journal of Taibah University for Science, 2020, 14, 1554-1562.	1.1	25
54	The weakly nonlinear wave propagation theory for the Kelvin-Helmholtz instability in magnetohydrodynamics flows. Chaos, Solitons and Fractals, 2020, 139, 110141.	2.5	58

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55	Entropy Generation in a Dissipative Nanofluid Flow under the Influence of Magnetic Dissipation and Transpiration. Energies, 2020, 13, 5506.	1.6	10
56	Two effective computational schemes for a prototype of an excitable system. AIP Advances, 2020, 10, 105120.	0.6	22
57	Electrothermal transport via copper nanoparticles in a microchannel propagated by peristalsis. SN Applied Sciences, 2020, 2, 1.	1.5	5
58	On the numerical investigation of the interaction in plasma between (high & low) frequency of (Langmuir & ion-acoustic) waves. Results in Physics, 2020, 18, 103317.	2.0	43
59	Computational simulation for the (1 + 1)-dimensional Ito equation arising quantum mechanics and nonlinear optics. Results in Physics, 2020, 19, 103572.	2.0	17
60	Darcy-Brinkman flow of a viscous fluid through a porous duct: Application in blood filtration process. Journal of the Taiwan Institute of Chemical Engineers, 2020, 117, 223-230.	2.7	12
61	Hydrodynamical Study of Creeping Maxwell Fluid Flow through a Porous Slit with Uniform Reabsorption and Wall Slip. Mathematics, 2020, 8, 1852.	1.1	16
62	Influence of Joule heating and wall slip in electroosmotic flow via peristalsis: second law analysis. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2020, 42, 1.	0.8	7
63	On the stable computational, semi-analytical, and numerical solutions of the Langmuir waves in an ionized plasma. Journal of Intelligent and Fuzzy Systems, 2020, 38, 2833-2845.	0.8	3
64	ON EXPLICIT WAVE SOLUTIONS OF THE FRACTIONAL NONLINEAR DSW SYSTEM VIA THE MODIFIED KHATER METHOD. Fractals, 2020, 28, 2040034.	1.8	34
65	Ample soliton waves for the crystal lattice formation of the conformable time-fractional (N£+£1) Sinh-Gordon equation by the modified Khater method and the Painlevé property. Journal of Intelligent and Fuzzy Systems, 2020, 38, 2745-2752.	0.8	11
66	Solitary wave solutions of Kaup–Newell optical fiber model in mathematical physics and its modulation instability. Modern Physics Letters B, 2020, 34, 2050277.	1.0	9
67	Soret–Dufour effects in electroosmotic biorheological flow of Jeffrey fluid. Heat Transfer, 2020, 49, 2355-2374.	1.7	14
68	Construction of soliton solutions for modified Kawahara equation arising in shallow water waves using novel techniques. International Journal of Modern Physics B, 2020, 34, 2050045.	1.0	21
69	The new structure of analytical and semi-analytical solutions of the longitudinal plasma wave equation in a magneto-electro-elastic circular rod. Modern Physics Letters B, 2020, 34, 2050123.	1.0	23
70	Bright-Dark and Multi Solitons Solutions of (3 + 1)-Dimensional Cubic-Quintic Complex Ginzburg–Landau Dynamical Equation with Applications and Stability. Entropy, 2020, 22, 202.	1.1	6
71	The interaction of W-shaped rational solitons with kink wave for the nonlinear Schrödinger equation with anti-cubic nonlinearity. Modern Physics Letters B, 2020, 34, 2050122.	1.0	10
72	Mixed convection flow over a stretching sheet of variable thickness: Analytical and numerical solutions of self–similar equations. Heat Transfer, 2020, 49, 3882-3899.	1.7	7

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73	Optical wave solutions of the higher-order nonlinear Schrödinger equation with the non-Kerr nonlinear term via modified Khater method. Modern Physics Letters B, 2020, 34, 2050044.	1.0	51
74	Electrothermal transport of third-order fluids regulated by peristaltic pumping. Journal of Biological Physics, 2020, 46, 45-65.	0.7	16
75	Analytical and semi-analytical ample solutions of the higher-order nonlinear Schrödinger equation with the non-Kerr nonlinear term. Results in Physics, 2020, 16, 103000.	2.0	64
76	Investigation of Entropy in Two-Dimensional Peristaltic Flow with Temperature Dependent Viscosity, Thermal and Electrical Conductivity. Entropy, 2020, 22, 200.	1.1	11
77	Computational and numerical simulations for the nonlinear fractional Kolmogorov–Petrovskii–Piskunov (FKPP) equation. Physica Scripta, 2020, 95, 055213.	1.2	31
78	Analytical, semi-analytical, and numerical solutions for the Cahn–Allen equation. Advances in Difference Equations, 2020, 2020, .	3.5	42
79	On new computational and numerical solutions of the modified Zakharov–Kuznetsov equation arising in electrical engineering. AEJ - Alexandria Engineering Journal, 2020, 59, 1099-1105.	3.4	40
80	Approximate Simulations for the Non-linear Long-Short Wave Interaction System. Frontiers in Physics, 2020, 7, .	1.0	12
81	Computational simulations of the couple Boiti–Leon–Pempinelli (BLP) system and the (3+1)-dimensional Kadomtsev–Petviashvili (KP) equation. AIP Advances, 2020, 10, .	0.6	28
82	On complex wave structures related to the nonlinear long–short wave interaction system: Analytical and numerical techniques. AIP Advances, 2020, 10, .	0.6	18
83	Abundant analytical solutions of the fractional nonlinear (2 + 1)-dimensional BLMP equation arising in incompressible fluid. International Journal of Modern Physics B, 2020, 34, 2050084.	1.0	28
84	Novel soliton waves of two fluid nonlinear evolutions models in the view of computational scheme. International Journal of Modern Physics B, 2020, 34, 2050096.	1.0	37
85	Abundant analytical and numerical solutions of the fractional microbiological densities model in bacteria cell as a result of diffusion mechanisms. Chaos, Solitons and Fractals, 2020, 136, 109824.	2.5	51
86	Optical solitons of the paraxial wave dynamical model in kerr media and its applications in nonlinear optics. International Journal of Modern Physics B, 2020, 34, 2050078.	1.0	11
87	The plethora of explicit solutions of the fractional KS equation through liquid–gas bubbles mix under the thermodynamic conditions via Atangana–Baleanu derivative operator. Advances in Difference Equations, 2020, 2020, .	3.5	55
88	New optical explicit plethora of the resonant Schrodinger's equation via two recent computational schemes. Thermal Science, 2020, 24, 247-255.	0.5	3
89	Impact of social influence in English proficiency and performance in English examinations of mathematics students from a Sino-US undergraduate education program. Nonlinear Analysis: Modelling and Control, 2020, 25, 938-957.	1.1	0
90	New optical explicit plethora of the resonant Schrodinger's equation via two recent computational schemes. Thermal Science, 2020, 24, 247-255.	0.5	0

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91	Structures of exact and solitary optical solutions for the higher-order nonlinear Schrödinger equation and its applications in mono-mode optical fibers. Modern Physics Letters B, 2019, 33, 1950279.	1.0	43
92	Novel solitons and elliptic function solutions of (1 + 1)-dimensional higher order nonlinear Schrödinger equation with derivative non-Kerr nonlinear terms and its applications. Modern Physics Letters B, 2019, 33, 1950253.	1.0	3
93	Numerical solutions of nonlinear fractional Wu–Zhang system for water surface versus three approximate schemes. Journal of Ocean Engineering and Science, 2019, 4, 144-148.	1.7	51
94	Structure of optical solitons of resonant Schrödinger equation with quadratic cubic nonlinearity and modulation instability analysis. Physica A: Statistical Mechanics and Its Applications, 2019, 534, 122155.	1.2	45
95	Integral Transform Method to Solve the Problem of Porous Slider without Velocity Slip. Symmetry, 2019, 11, 791.	1.1	13
96	Applications of nonlinear longitudinal wave equation in a magneto-electro-elastic circular rod and new solitary wave solutions. Modern Physics Letters B, 2019, 33, 1950210.	1.0	67
97	Lump soliton wave solutions for the (2+1)-dimensional Konopelchenko–Dubrovsky equation and KdV equation. Modern Physics Letters B, 2019, 33, 1950199.	1.0	69
98	Entropy Analysis in Double-Diffusive Convection in Nanofluids through Electro-osmotically Induced Peristaltic Microchannel. Entropy, 2019, 21, 986.	1.1	11
99	Analytical methods via bright–dark solitons and solitary wave solutions of the higher-order nonlinear Schrödinger equation with fourth-order dispersion. Modern Physics Letters B, 2019, 33, 1950443.	1.0	15
100	A Jeffrey Fluid Model for a Porous-walled Channel: Application to Flat Plate Dialyzer. Scientific Reports, 2019, 9, 15879.	1.6	40
101	Wave propagation in a infectious disease model with non-local diffusion. Advances in Difference Equations, 2019, 2019, .	3.5	3
102	New exact traveling wave solutions of biological population model via the extended rational sinh-cosh method and the modified Khater method. Modern Physics Letters B, 2019, 33, 1950338.	1.0	79
103	HE–ELZAKI METHOD FOR SPATIAL DIFFUSION OF BIOLOGICAL POPULATION. Fractals, 2019, 27, 1950069.	1.8	29
104	Numerical Simulation of Darcy–Forchheimer 3D Unsteady Nanofluid Flow Comprising Carbon Nanotubes with Cattaneo–Christov Heat Flux and Velocity and Thermal Slip Conditions. Processes, 2019, 7, 687.	1.3	34
105	Dispersive long wave of nonlinear fractional Wu-Zhang system via a modified auxiliary equation method. AIP Advances, 2019, 9, .	0.6	107
106	Chaos and Relativistic Energy-Momentum of the Nonlinear Time Fractional Duffing Equation. Mathematical and Computational Applications, 2019, 24, 10.	0.7	26
107	Hydrodynamical study of flow in a permeable channel: Application to flat plate dialyzer. International Journal of Hydrogen Energy, 2019, 44, 17041-17047.	3.8	68
108	Soliton solutions of the generalised third-order nonlinear Schrödinger equation by two mathematical methods and their stability. Pramana - Journal of Physics, 2019, 93, 1.	0.9	45

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109	Traveling wave solutions for complex nonlinear space–time fractional order (2Â+Â1)-dimensional Maccari dynamical system and SchrÃ¶dinger equation with dual power law nonlinearity. SN Applied Sciences, 2019, 1, 1.	1.5	2
110	MHD flow of Maxwell fluid with nanomaterials due to an exponentially stretching surface. Scientific Reports, 2019, 9, 7312.	1.6	80
111	A Thin Film Flow of Nanofluid Comprising Carbon Nanotubes Influenced by Cattaneo-Christov Heat Flux and Entropy Generation. Coatings, 2019, 9, 296.	1.2	36
112	Explicit Lump Solitary Wave of Certain Interesting (3+1)-Dimensional Waves in Physics via Some Recent Traveling Wave Methods. Entropy, 2019, 21, 397.	1.1	52
113	Hydrodynamical Study of Micropolar Fluid in a Porous-Walled Channel: Application to Flat Plate Dialyzer. Symmetry, 2019, 11, 541.	1.1	21
114	MHD Boundary Layer Flow of Carreau Fluid over a Convectively Heated Bidirectional Sheet with Non-Fourier Heat Flux and Variable Thermal Conductivity. Symmetry, 2019, 11, 618.	1.1	27
115	Application of mathematical methods on the system of dynamical equations for the ion sound and Langmuir waves. Pramana - Journal of Physics, 2019, 93, 1.	0.9	157
116	Study of soliton solutions of higher-order nonlinear SchrÃ¶dinger dynamical model with derivative non-Kerr nonlinear terms and modulation instability analysis. Results in Physics, 2019, 13, 102305.	2.0	17
117	A Numerical Simulation of Silver–Water Nanofluid Flow with Impacts of Newtonian Heating and Homogeneous–Heterogeneous Reactions Past a Nonlinear Stretched Cylinder. Symmetry, 2019, 11, 295.	1.1	47
118	A study of optical wave propagation in the nonautonomous SchrÃ¶dinger-Hirota equation with power-law nonlinearity. Results in Physics, 2019, 13, 102157.	2.0	94
119	Analysis of Unsteady Flow and Heat Transfer of Nanofluid Using Blasius–Rayleigh–Stokes Variable. Coatings, 2019, 9, 211.	1.2	5
120	Optical solitary wave and elliptic function solutions of the Fokas–Lenells equation in the presence of perturbation terms and its modulation instability. Physica Scripta, 2019, 94, 105202.	1.2	41
121	Complex optical solutions and modulation instability of hyperbolic SchrÃ¶dinger dynamical equation. Results in Physics, 2019, 12, 2091-2097.	2.0	18
122	Rogue waves generation and interaction of multipeak rational solitons in the system of equations for the ion sound and Langmuir waves. International Journal of Modern Physics B, 2019, 33, 1950277.	1.0	11
123	Analytical and Approximate Solutions for Complex Nonlinear SchrÃ¶dinger Equation via Generalized Auxiliary Equation and Numerical Schemes. Communications in Theoretical Physics, 2019, 71, 1267.	1.1	31
124	The shock peakon wave solutions of the general Degasperis–Procesi equation. International Journal of Modern Physics B, 2019, 33, 1950351.	1.0	27
125	Analytical Solution for Heat Transfer in Electroosmotic Flow of a Carreau Fluid in a Wavy Microchannel. Applied Sciences (Switzerland), 2019, 9, 4359.	1.3	14
126	Impact of Second-Order Slip and Double Stratification Coatings on 3D MHD Williamson Nanofluid Flow with Cattaneo–Christov Heat Flux. Coatings, 2019, 9, 849.	1.2	25

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127	Modified Auxiliary Equation Method versus Three Nonlinear Fractional Biological Models in Present Explicit Wave Solutions. Mathematical and Computational Applications, 2019, 24, 1.	0.7	36
128	Modulation stability analysis and solitary wave solutions of nonlinear higher-order Schrödinger dynamical equation with second-order spatiotemporal dispersion. Indian Journal of Physics, 2019, 93, 1041-1049.	0.9	20
129	Computational Analysis for Mixed Convective Flows of Viscous Fluids With Nanoparticles. Journal of Thermal Science and Engineering Applications, 2019, 11, .	0.8	12
130	Unsteady squeezing carbon nanotubes based nano-liquid flow with Cattaneo–Christov heat flux and homogeneous–heterogeneous reactions. Applied Nanoscience (Switzerland), 2019, 9, 169-178.	1.6	41
131	Numerical simulation for homogeneous–heterogeneous reactions and Newtonian heating in the silver-water nanofluid flow past a nonlinear stretched cylinder. Physica Scripta, 2019, 94, 085702.	1.2	35
132	On exact and approximate solutions of (2+1)-dimensional Konopelchenko-Dubrovsky equation via modified simplest equation and cubic B-spline schemes. Thermal Science, 2019, 23, 1889-1899.	0.5	12
133	Analytical and semi-analytical wave solutions for longitudinal wave equation via modified auxiliary equation method and Adomian decomposition method. Thermal Science, 2019, 23, 1943-1957.	0.5	18
134	Study on the solitary wave solutions of the ionic currents on microtubules equation by using the modified Khater method. Thermal Science, 2019, 23, 2053-2062.	0.5	25
135	Bifurcations of solitary wave solutions for (two and three)-dimensional nonlinear partial differential equation in quantum and magnetized plasma by using two different methods. Results in Physics, 2018, 9, 142-150.	2.0	16
136	Nonlinear radiation effect on MHD Carreau nanofluid flow over a radially stretching surface with zero mass flux at the surface. Scientific Reports, 2018, 8, 3709.	1.6	48
137	Optical soliton solutions of nonlinear Schrödinger equation with second order spatiotemporal dispersion and its modulation instability. Optik, 2018, 161, 221-229.	1.4	49
138	Dispersive traveling wave solutions of the Equal-Width and Modified Equal-Width equations via mathematical methods and its applications. Results in Physics, 2018, 9, 313-320.	2.0	85
139	Bright–dark solitary wave and elliptic function solutions of unstable nonlinear Schrödinger equation and their applications. Optical and Quantum Electronics, 2018, 50, 1.	1.5	41
140	Solitary traveling wave solutions of pressure equation of bubbly liquids with examination for viscosity and heat transfer. Results in Physics, 2018, 8, 292-303.	2.0	13
141	New optical soliton solutions for nonlinear complex fractional Schrödinger equation via new auxiliary equation method and novel $$({G'}/{G})$$ (G ′ / G) -expansion method. Pramana - Journal of Physics, 2018, 90, 1.	0.9	23
142	ELZAKI PROJECTED DIFFERENTIAL TRANSFORM METHOD FOR FRACTIONAL ORDER SYSTEM OF LINEAR AND NONLINEAR FRACTIONAL PARTIAL DIFFERENTIAL EQUATION. Fractals, 2018, 26, 1850041.	1.8	24
143	Optical soliton solutions of unstable nonlinear Schrödinger dynamical equation and stability analysis with applications. Optik, 2018, 157, 597-605.	1.4	40
144	Optical soliton solutions of the generalized higher-order nonlinear Schrödinger equations and their applications. Optical and Quantum Electronics, 2018, 50, 1.	1.5	23

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145	Dispersive solitary wave solutions of new coupled Konno-Oono, Higgs field and Maccari equations and their applications. Journal of King Saud University - Science, 2018, 30, 417-423.	1.6	27
146	Modulation stability and dispersive optical soliton solutions of higher order nonlinear Schrödinger equation and its applications in mono-mode optical fibers. Superlattices and Microstructures, 2018, 113, 419-429.	1.4	35
147	Impact of Nonlinear Thermal Radiation and Entropy Optimization Coatings with Hybrid Nanoliquid Flow Past a Curved Stretched Surface. Coatings, 2018, 8, 430.	1.2	34
148	Construction of new solitary wave solutions of generalized Zakharov-Kuznetsov-Benjamin-Bona-Mahony and simplified modified form of Camassa-Holm equations. Open Physics, 2018, 16, 896-909.	0.8	53
149	Mathematical methods via construction of traveling and solitary wave solutions of three coupled system of nonlinear partial differential equations and their applications. Results in Physics, 2018, 11, 1161-1171.	2.0	109
150	Structure of solitary wave solutions of the nonlinear complex fractional generalized Zakharov dynamical system. Advances in Difference Equations, 2018, 2018, .	3.5	22
151	Entropy Analysis of 3D Non-Newtonian MHD Nanofluid Flow with Nonlinear Thermal Radiation Past over Exponential Stretched Surface. Entropy, 2018, 20, 930.	1.1	24
152	Significance of Darcy-Forchheimer Porous Medium in Nanofluid Through Carbon Nanotubes. Communications in Theoretical Physics, 2018, 70, 361.	1.1	87
153	Construction of solitary wave solutions to the nonlinear modified Kortewege-de Vries dynamical equation in unmagnetized plasma via mathematical methods. Modern Physics Letters A, 2018, 33, 1850183.	0.5	101
154	Applications of modified mathematical method on some nonlinear water wave dynamical models. Modern Physics Letters A, 2018, 33, 1850204.	0.5	2
155	Transpiration and Viscous Dissipation Effects on Entropy Generation in Hybrid Nanofluid Flow over a Nonlinear Radially Stretching Disk. Entropy, 2018, 20, 668.	1.1	74
156	Stability Analysis of Solitary Wave Solutions for Coupled and (2+1)-Dimensional Cubic Klein-Gordon Equations and Their Applications. Communications in Theoretical Physics, 2018, 69, 676.	1.1	27
157	Dispersive optical soliton solutions of the higher-order nonlinear Schrödinger dynamical equation via two different methods and its applications. European Physical Journal Plus, 2018, 133, 1.	1.2	27
158	A Numerical Investigation of 3D MHD Rotating Flow with Binary Chemical Reaction, Activation Energy and Non-Fourier Heat Flux. Communications in Theoretical Physics, 2018, 70, 089.	1.1	30
159	Computational methods and traveling wave solutions for the fourth-order nonlinear Ablowitz-Kaup-Newell-Segur water wave dynamical equation via two methods and its applications. Open Physics, 2018, 16, 219-226.	0.8	97
160	On three-dimensional MHD Oldroyd-B fluid flow with nonlinear thermal radiation and homogeneousâ€"heterogeneous reaction. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2018, 40, 1.	0.8	20
161	Structure of optical soliton solutions for the generalized higher-order nonlinear Schrödinger equation with light-wave promulgation in an optical fiber. Optical and Quantum Electronics, 2018, 50, 1.	1.5	17
162	Elliptic function solutions and travelling wave solutions of nonlinear Dodd-Bullough-Mikhailov, two-dimensional Sine-Gordon and coupled Schrödinger-KdV dynamical models. Results in Physics, 2018, 10, 995-1005.	2.0	14

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