

Ilyas Baskonus

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273
papers

6,351
citations

42
h-index

60
g-index

294
ext. papers

8,286
ext. citations

2.3
avg, IF

7.43
L-index

#	Paper	IF	Citations
273	Complex solitons in the conformable (2+1)-dimensional Ablowitz-Kaup-Newell-Segur equation. <i>AIMS Mathematics</i> , 2020 , 5, 507-521	2.2	133
272	A new study of unreported cases of 2019-nCoV epidemic outbreaks. <i>Chaos, Solitons and Fractals</i> , 2020 , 138, 109929	9.3	126
271	Optical solitons to the space-time fractional (1+1)-dimensional coupled nonlinear Schrödinger equation. <i>Optik</i> , 2018 , 167, 150-156	2.5	113
270	New acoustic wave behaviors to the Davey-Stewartson equation with power-law nonlinearity arising in fluid dynamics. <i>Nonlinear Dynamics</i> , 2016 , 86, 177-183	5	109
269	Active Control of a Chaotic Fractional Order Economic System. <i>Entropy</i> , 2015 , 17, 5771-5783	2.8	100
268	Numerical simulation and solutions of the two-component second order KdV evolutionary system. <i>Numerical Methods for Partial Differential Equations</i> , 2018 , 34, 211-227	2.5	97
267	Novel Dynamic Structures of 2019-nCoV with Nonlocal Operator via Powerful Computational Technique. <i>Biology</i> , 2020 , 9,	4.9	95
266	New numerical surfaces to the mathematical model of cancer chemotherapy effect in Caputo fractional derivatives. <i>Chaos</i> , 2019 , 29, 013119	3.3	95
265	New numerical simulations for some real world problems with Atangana-Baleanu fractional derivative. <i>Chaos, Solitons and Fractals</i> , 2019 , 128, 34-43	9.3	92
264	Exponential prototype structures for (2+1)-dimensional Boiti-Leon-Pempinelli systems in mathematical physics. <i>Waves in Random and Complex Media</i> , 2016 , 26, 189-196	1.9	89
263	Cancer treatment model with the Caputo-Fabrizio fractional derivative. <i>European Physical Journal Plus</i> , 2018 , 133, 1	3.1	84
262	New approach for the model describing the deathly disease in pregnant women using Mittag-Leffler function. <i>Chaos, Solitons and Fractals</i> , 2020 , 134, 109696	9.3	83
261	On the numerical solutions of some fractional ordinary differential equations by fractional Adams-Bashforth-Moulton method. <i>Open Mathematics</i> , 2015 , 13,	0.8	78
260	On the soliton solutions to the Nizhnik-Novikov-Veselov and the Drinfeld-Sokolov systems. <i>Optical and Quantum Electronics</i> , 2018 , 50, 1	2.4	78
259	Solutions of partial differential equations using the fractional operator involving Mittag-Leffler kernel. <i>European Physical Journal Plus</i> , 2018 , 133, 1	3.1	76
258	New Complex Hyperbolic Structures to the Longren-Wave Equation by Using Sine-Gordon Expansion Method. <i>Applied Mathematics and Nonlinear Sciences</i> , 2019 , 4, 129-138	4	76
257	On the complex and hyperbolic structures of the longitudinal wave equation in a magneto-electro-elastic circular rod. <i>Smart Materials and Structures</i> , 2016 , 25, 035022	3.4	73

256	Optical solitons and other solutions to the conformable space-time fractional Fokas-Lenells equation. <i>Optik</i> , 2018 , 172, 20-27	2.5	68
255	New wave behaviors of the system of equations for the ion sound and Langmuir Waves. <i>Waves in Random and Complex Media</i> , 2016 , 26, 613-625	1.9	68
254	Dynamics of soliton solutions in the chiral nonlinear Schrödinger equations. <i>Nonlinear Dynamics</i> , 2018 , 91, 1985-1991	5	68
253	Optical Soliton Solutions of the Cubic-Quartic Nonlinear Schrödinger and Resonant Nonlinear Schrödinger Equation with the Parabolic Law. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 219	2.6	66
252	On the complex structures of Kundu-Eckhaus equation via improved Bernoulli sub-equation function method. <i>Waves in Random and Complex Media</i> , 2015 , 25, 720-728	1.9	64
251	Novel simulations to the time-fractional Fisher equation. <i>Mathematical Sciences</i> , 2019 , 13, 33-42	1.6	60
250	The Modified Trial Equation Method for Fractional Wave Equation and Time Fractional Generalized Burgers Equation. <i>Abstract and Applied Analysis</i> , 2013 , 2013, 1-8	0.7	60
249	Almost sectorial operators on Hilfer derivative fractional impulsive integro-differential equations. <i>Mathematical Methods in the Applied Sciences</i> ,	2.3	60
248	Novel explicit solutions for the nonlinear Zoomeron equation by using newly extended direct algebraic technique. <i>Optical and Quantum Electronics</i> , 2020 , 52, 1	2.4	59
247	Investigation of the fractional coupled viscous Burgers equation involving Mittag-Leffler kernel. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019 , 527, 121126	3.3	57
246	New investigation of bats-hosts-reservoir-people coronavirus model and application to 2019-nCoV system. <i>Advances in Difference Equations</i> , 2020 , 2020, 391	3.6	57
245	New numerical simulation for fractional Benney-Lin equation arising in falling film problems using two novel techniques. <i>Numerical Methods for Partial Differential Equations</i> , 2021 , 37, 210-243	2.5	57
244	New Numerical Results for the Time-Fractional Phi-Four Equation Using a Novel Analytical Approach. <i>Symmetry</i> , 2020 , 12, 478	2.7	56
243	A powerful approach for fractional Drinfeld-Sokolov-Wilson equation with Mittag-Leffler law. <i>AEJ - Alexandria Engineering Journal</i> , 2019 , 58, 1301-1311	6.1	56
242	Solitons in an inhomogeneous Murnaghan rod. <i>European Physical Journal Plus</i> , 2018 , 133, 1	3.1	54
241	On the exact and numerical solutions to the coupled Boussinesq equation arising in ocean engineering. <i>Indian Journal of Physics</i> , 2019 , 93, 647-656	1.4	54
240	On the novel wave behaviors to the coupled nonlinear Maccari's system with complex structure. <i>Optik</i> , 2017 , 131, 1036-1043	2.5	53
239	New complex wave patterns to the electrical transmission line model arising in network system. <i>AIMS Mathematics</i> , 2020 , 5, 1881-1892	2.2	51

238	Optical soliton solutions to the Fokas-Lenells equation via sine-Gordon expansion method and $((m+\{G'\})/\{G\}))$ -expansion method 2020 , 94, 1		50
237	Optical solitons to the resonant nonlinear Schrödinger equation with both spatio-temporal and inter-modal dispersions under Kerr law nonlinearity. <i>Optik</i> , 2018 , 163, 49-55	2.5	47
236	Solving smoking epidemic model of fractional order using a modified homotopy analysis transform method. <i>Mathematical Sciences</i> , 2019 , 13, 115-128	1.6	46
235	Investigation of various soliton solutions to the Heisenberg ferromagnetic spin chain equation. <i>Journal of Electromagnetic Waves and Applications</i> , 2018 , 32, 1093-1105	1.3	46
234	New solitary and optical wave structures to the Korteweg-de Vries equation with dual-power law nonlinearity. <i>Optical and Quantum Electronics</i> , 2016 , 48, 1	2.4	46
233	On the new wave behavior to the Klein-Gordon-Zakharov equations in plasma physics. <i>Indian Journal of Physics</i> , 2019 , 93, 393-399	1.4	42
232	The Analytical Solution of Some Fractional Ordinary Differential Equations by the Sumudu Transform Method. <i>Abstract and Applied Analysis</i> , 2013 , 2013, 1-6	0.7	42
231	New solitary and optical wave structures to the (1 + 1)-dimensional combined KdV-KdV equation. <i>Optik</i> , 2017 , 135, 327-336	2.5	41
230	Regarding new numerical solution of fractional Schistosomiasis disease arising in biological phenomena. <i>Chaos, Solitons and Fractals</i> , 2020 , 133, 109661	9.3	41
229	Dark optical solitons to the Biswas-Arshed equation with high order dispersions and absence of the self-phase modulation. <i>Optik</i> , 2020 , 209, 164576	2.5	41
228	Investigations of dark, bright, combined dark-bright optical and other soliton solutions in the complex cubic nonlinear Schrödinger equation with Φ potential. <i>Superlattices and Microstructures</i> , 2018 , 115, 19-29	2.8	41
227	Complex Soliton Solutions to the Gilson-Pickering Model. <i>Axioms</i> , 2019 , 8, 18	1.6	40
226	Analytical and numerical study of the HIV-1 infection of CD4+ T-cells conformable fractional mathematical model that causes acquired immunodeficiency syndrome with the effect of antiviral drug therapy. <i>Mathematical Methods in the Applied Sciences</i> , 2020 ,	2.3	40
225	Dark, bright and other soliton solutions to the Heisenberg ferromagnetic spin chain equation. <i>Superlattices and Microstructures</i> , 2018 , 123, 12-19	2.8	40
224	An efficient technique for a time fractional model of lassa hemorrhagic fever spreading in pregnant women. <i>European Physical Journal Plus</i> , 2019 , 134, 1	3.1	39
223	Two novel computational techniques for fractional Gardner and Cahn-Hilliard equations. <i>Computational and Mathematical Methods</i> , 2019 , 1, e1021	0.9	39
222	Novel archetypes of new coupled Konno-Dono equation by using sine-Gordon expansion method. <i>Optical and Quantum Electronics</i> , 2017 , 49, 1	2.4	39
221	Dark, bright optical and other solitons with conformable space-time fractional second-order spatiotemporal dispersion. <i>Optik</i> , 2018 , 163, 1-7	2.5	38

220	Regarding new positive, bounded and convergent numerical solution of nonlinear time fractional HIV/AIDS transmission model. <i>Chaos, Solitons and Fractals</i> , 2020 , 139, 110096	9.3	37
219	Exact solutions of nonlinear Schrödinger equation with dual power-law nonlinearity by extended trial equation method. <i>Waves in Random and Complex Media</i> , 2014 , 24, 439-451	1.9	37
218	On the Complex and Hyperbolic Structures for the (2 + 1)-Dimensional Boussinesq Water Equation. <i>Entropy</i> , 2015 , 17, 8267-8277	2.8	37
217	Novel Complex Wave Solutions of the (2+1)-Dimensional Hyperbolic Nonlinear Schrödinger Equation. <i>Fractal and Fractional</i> , 2020 , 4, 41	3	37
216	Complex and Real Optical Soliton Properties of the Paraxial Non-linear Schrödinger Equation in Kerr Media With M-Fractional. <i>Frontiers in Physics</i> , 2019 , 7,	3.9	37
215	New complex and hyperbolic function solutions to the generalized double combined Sinh-Cosh-Gordon equation 2017 ,		36
214	New results on nondensely characterized integrodifferential equations with fractional order. <i>European Physical Journal Plus</i> , 2018 , 133, 1	3.1	36
213	New solitary wave solutions of Maccari system. <i>Ocean Engineering</i> , 2015 , 103, 153-159	3.9	36
212	New singular soliton solutions to the longitudinal wave equation in a magneto-electro-elastic circular rod with M-derivative. <i>Modern Physics Letters B</i> , 2019 , 33, 1950251	1.6	35
211	Instability modulation for the (2+1)-dimension paraxial wave equation and its new optical soliton solutions in Kerr media. <i>Physica Scripta</i> , 2020 , 95, 035207	2.6	35
210	Some mixed trigonometric complex soliton solutions to the perturbed nonlinear Schrödinger equation. <i>Modern Physics Letters B</i> , 2020 , 34, 2050034	1.6	33
209	On the analytical and numerical solutions of the Benjamin-Bona-Mahony equation. <i>Optical and Quantum Electronics</i> , 2018 , 50, 1	2.4	33
208	A New Investigation on Fractional-Ordered Neutral Differential Systems with State-Dependent Delay. <i>International Journal of Nonlinear Sciences and Numerical Simulation</i> , 2019 , 20, 803-809	1.8	33
207	Analysis of the dynamics of hepatitis E virus using the Atangana-Baleanu fractional derivative. <i>European Physical Journal Plus</i> , 2019 , 134, 1	3.1	32
206	Generalized Kudryashov Method for Time-Fractional Differential Equations. <i>Abstract and Applied Analysis</i> , 2014 , 2014, 1-13	0.7	32
205	Analytical solutions for the (3+1)-dimensional nonlinear extended quantum Zakharov-Kuznetsov equation in plasma physics. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020 , 548, 124327	3.3	31
204	Complex surfaces to the fractional (2 + 1)-dimensional Boussinesq dynamical model with the local M-derivative. <i>European Physical Journal Plus</i> , 2019 , 134, 1	3.1	31
203	On the new soliton and optical wave structures to some nonlinear evolution equations. <i>European Physical Journal Plus</i> , 2017 , 132, 1	3.1	31

202	New solitary wave solutions to the (2+1)-dimensional Calogero-Bogoyavlenskii-Schiff and the Kadomtsev-Petviashvili hierarchy equations. <i>Indian Journal of Physics</i> , 2017 , 91, 1237-1243	1.4	31
201	New dark-bright soliton in the shallow water wave model. <i>AIMS Mathematics</i> , 2020 , 5, 4027-4044	2.2	31
200	ITERATIVE METHOD APPLIED TO THE FRACTIONAL NONLINEAR SYSTEMS ARISING IN THERMOELASTICITY WITH MITTAG-LEFFLER KERNEL. <i>Fractals</i> , 2020 , 28, 2040040	3.2	30
199	All exact travelling wave solutions of Hirota equation and Hirota-Maccari system. <i>Optik</i> , 2016 , 127, 1848-1859	1.5	30
198	New Complex and Hyperbolic Forms for Ablowitz-Kaup-Newell-Segur Wave Equation with Fourth Order. <i>Applied Mathematics and Nonlinear Sciences</i> , 2019 , 4, 93-100	4	30
197	Optical solitons to the fractional Schrödinger-Hirota equation. <i>Applied Mathematics and Nonlinear Sciences</i> , 2019 , 4, 535-542	4	30
196	M-lump, N-soliton solutions, and the collision phenomena for the (2 + 1)-dimensional Date-Jimbo-Kashiwara-Miwa equation. <i>Results in Physics</i> , 2020 , 19, 103329	3.7	30
195	Residual Power Series Method for Fractional Swift-Hohenberg Equation. <i>Fractal and Fractional</i> , 2019 , 3, 9	3	29
194	On the bright and singular optical solitons to the ((2+1))-dimensional NLS and the Hirota equations. <i>Optical and Quantum Electronics</i> , 2018 , 50, 1	2.4	29
193	Singular solitons in the pseudo-parabolic model arising in nonlinear surface waves. <i>Results in Physics</i> , 2019 , 12, 1712-1715	3.7	28
192	Regarding New Wave Patterns of the Newly Extended Nonlinear (2+1)-Dimensional Boussinesq Equation with Fourth Order. <i>Mathematics</i> , 2020 , 8, 341	2.3	28
191	New structural dynamics of isolated waves via the coupled nonlinear Maccari system with complex structure. <i>Indian Journal of Physics</i> , 2018 , 92, 1281-1290	1.4	28
190	Investigation of various travelling wave solutions to the extended (2+1)-dimensional quantum ZK equation. <i>European Physical Journal Plus</i> , 2017 , 132, 1	3.1	28
189	On the exact solutions to some system of complex nonlinear models. <i>Applied Mathematics and Nonlinear Sciences</i> , 2021 , 6, 29-42	4	28
188	Chaos in the fractional order logistic delay system: Circuit realization and synchronization 2016 ,		28
187	1-Soliton solutions of the (2 + 1)-dimensional Heisenberg ferromagnetic spin chain model with the beta time derivative. <i>Optical and Quantum Electronics</i> , 2021 , 53, 1	2.4	28
186	Analytical studies on the (1 + 1)-dimensional nonlinear Dispersive Modified Benjamin-Bona-Mahony equation defined by seismic sea waves. <i>Waves in Random and Complex Media</i> , 2015 , 25, 576-586	1.9	27
185	Dark, bright and other optical solitons to the decoupled nonlinear Schrödinger equation arising in dual-core optical fibers. <i>Optical and Quantum Electronics</i> , 2018 , 50, 1	2.4	27

184	A reliable hybrid numerical method for a time dependent vibration model of arbitrary order. <i>AIMS Mathematics</i> , 2020 , 5, 979-1000	2.2	27
183	Extractions of some new travelling wave solutions to the conformable Date-Jimbo-Kashiwara-Miwa equation. <i>AIMS Mathematics</i> , 2021 , 6, 4238-4264	2.2	27
182	M-fractional solitons and periodic wave solutions to the Hirota-Maccari system. <i>Modern Physics Letters B</i> , 2019 , 33, 1950052	1.6	26
181	Optical solitons and other solutions to the conformable space-time fractional complex Ginzburg-Landau equation under Kerr law nonlinearity 2018 , 91, 1		26
180	Regarding on the prototype solutions for the nonlinear fractional-order biological population model 2016 ,		26
179	Novel complex and hyperbolic forms to the strain wave equation in microstructured solids. <i>Optical and Quantum Electronics</i> , 2018 , 50, 1	2.4	26
178	Optical solitons to the fractional perturbed Radhakrishnan-Kundu-Lakshmanan model. <i>Optical and Quantum Electronics</i> , 2018 , 50, 1	2.4	26
177	Modulation instability analysis and analytical solutions to the system of equations for the ion sound and Langmuir waves. <i>Physica Scripta</i> , 2020 , 95, 065602	2.6	25
176	New Hyperbolic Function Solutions for Some Nonlinear Partial Differential Equation Arising in Mathematical Physics. <i>Entropy</i> , 2015 , 17, 4255-4270	2.8	25
175	Some novel exponential function structures to the Cahn-Allen equation. <i>Cogent Physics</i> , 2016 , 3,	3.5	25
174	Analytical solutions for nonlinear long-short wave interaction systems with highly complex structure. <i>Journal of Computational and Applied Mathematics</i> , 2017 , 312, 257-266	2.4	24
173	New complex hyperbolic and trigonometric solutions for the generalized conformable fractional Gardner equation. <i>Modern Physics Letters B</i> , 2019 , 33, 1950196	1.6	24
172	On the new wave solutions to a nonlinear model arising in plasma physics. <i>European Physical Journal Plus</i> , 2018 , 133, 1	3.1	24
171	Numerical solution of a viscous incompressible flow problem through an orifice by Adomian decomposition method. <i>Applied Mathematics and Computation</i> , 2004 , 153, 733-741	2.7	24
170	Some new families of exact solutions to a new extension of nonlinear Schrödinger equation. <i>Physica Scripta</i> , 2020 , 95, 075208	2.6	23
169	Analytical and Approximate Solutions of a Novel Nervous Stomach Mathematical Model. <i>Discrete Dynamics in Nature and Society</i> , 2020 , 2020, 1-9	1.1	23
168	Existence results of Hilfer integro-differential equations with fractional order. <i>Discrete and Continuous Dynamical Systems - Series S</i> , 2020 , 13, 911-923	2.8	23
167	On the complex solutions to the (3+1)-dimensional conformable fractional modified KdV-Akhbarov-Ruznetsov equation. <i>Modern Physics Letters B</i> , 2020 , 34, 2050069	1.6	23

166	A novel study of Morlet neural networks to solve the nonlinear HIV infection system of latently infected cells. <i>Results in Physics</i> , 2021 , 25, 104235	3.7	23
165	Analysis and numerical computations of the fractional regularized long-wave equation with damping term. <i>Mathematical Methods in the Applied Sciences</i> , 2021 , 44, 7538-7555	2.3	23
164	Results on approximate controllability results for second-order Sobolev-type impulsive neutral differential evolution inclusions with infinite delay. <i>Numerical Methods for Partial Differential Equations</i> , 2021 , 37, 1200-1221	2.5	23
163	Investigating lump and its interaction for the third-order evolution equation arising propagation of long waves over shallow water. <i>European Journal of Mechanics, B/Fluids</i> , 2020 , 84, 289-301	2.4	22
162	Dynamic of solitary wave solutions in some nonlinear pseudoparabolic models and Dodd-Bullough-Mikhailov equation. <i>Indian Journal of Physics</i> , 2018 , 92, 999-1007	1.4	22
161	On the solitary wave solutions to the longitudinal wave equation in MEE circular rod. <i>Optical and Quantum Electronics</i> , 2018 , 50, 1	2.4	22
160	Complex acoustic gravity wave behaviors to some mathematical models arising in fluid dynamics and nonlinear dispersive media. <i>Optical and Quantum Electronics</i> , 2018 , 50, 1	2.4	22
159	Bright, dark optical and other solitons to the generalized higher-order NLSE in optical fibers. <i>Optical and Quantum Electronics</i> , 2018 , 50, 1	2.4	22
158	A POWERFUL ITERATIVE APPROACH FOR QUINTIC COMPLEX GINZBURG-LANDAU EQUATION WITHIN THE FRAME OF FRACTIONAL OPERATOR. <i>Fractals</i> , 2021 , 29, 2140023	3.2	22
157	On Some Complex Aspects of the (2+1)-dimensional Broer-Kaup-Kupershmidt System. <i>ITM Web of Conferences</i> , 2017 , 13, 01019	0.1	21
156	The efficacy of Ankaferd Blood Stopper for the management of bleeding following total thyroidectomy. <i>Journal of Investigative Surgery</i> , 2011 , 24, 205-10	1.2	21
155	The new extended rational SGEEM for construction of optical solitons to the (2+1)-dimensional Kundu-Mukherjee-Naskar model. <i>Applied Mathematics and Nonlinear Sciences</i> , 2019 , 4, 513-522	4	21
154	A numerical study of the ferromagnetic flow of Carreau nanofluid over a wedge, plate and stagnation point with a magnetic dipole. <i>AIMS Mathematics</i> , 2020 , 5, 4197-4219	2.2	21
153	Optical solitons and modulation instability analysis of the (1 + 1)-dimensional coupled nonlinear Schrödinger equation. <i>Communications in Theoretical Physics</i> , 2020 , 72, 025003	2.4	21
152	Complex Patterns to the (3+1)-Dimensional B-type Kadomtsev-Petviashvili-Boussinesq Equation. <i>Symmetry</i> , 2020 , 12, 17	2.7	21
151	Fractional approach for analysis of the model describing wind-influenced projectile motion. <i>Physica Scripta</i> , 2021 , 96, 075209	2.6	20
150	On the conformable nonlinear schrödinger equation with second order spatiotemporal and group velocity dispersion coefficients. <i>Chinese Journal of Physics</i> , 2021 , 72, 403-414	3.5	20
149	Some exact solutions of generalized Zakharov system. <i>Waves in Random and Complex Media</i> , 2015 , 25, 75-90	1.9	19

148	Modified Trial Equation Method to the Nonlinear Fractional Sharma-Tasso-Olver Equation. <i>International Journal of Modeling and Optimization</i> , 2013 , 353-357	0.9	19
147	New exact solitary wave solutions, bifurcation analysis and first order conserved quantities of resonance nonlinear Schrödinger equation with Kerr law nonlinearity. <i>Journal of King Saud University - Science</i> , 2021 , 33, 101180	3.6	19
146	Stability Analysis, Numerical and Exact Solutions of the (1+1)-Dimensional NDMBBM Equation. <i>ITM Web of Conferences</i> , 2018 , 22, 01064	0.1	19
145	Numerical simulations to the nonlinear model of interpersonal relationships with time fractional derivative 2017 ,		18
144	On the new hyperbolic and trigonometric structures to the simplified MCH and SRLW equations. <i>European Physical Journal Plus</i> , 2017 , 132, 1	3.1	18
143	On the numerical investigations to the Cahn-Allen equation by using finite difference method. <i>International Journal of Optimization and Control: Theories and Applications</i> , 2018 , 9, 18-23	1.5	17
142	Novel hyperbolic behaviors to some important models arising in quantum science. <i>Optical and Quantum Electronics</i> , 2017 , 49, 1	2.4	16
141	New exact solutions for nematicons in liquid crystals by the $(\tan(\phi/2))$ -expansion method arising in fluid mechanics. <i>European Physical Journal Plus</i> , 2020 , 135, 1	3.1	16
140	Optical solitons to the fractional perturbed NLSE in nano-fibers. <i>Discrete and Continuous Dynamical Systems - Series S</i> , 2020 , 13, 925-936	2.8	16
139	Dynamical behaviors to the coupled Schrödinger-Boussinesq system with the beta derivative. <i>AIMS Mathematics</i> , 2021 , 6, 7909-7928	2.2	16
138	Fractional Order Modeling the Gemini Virus in Capsicum annum with Optimal Control. <i>Fractal and Fractional</i> , 2022 , 6, 61	3	15
137	Analytical and approximate solutions of an epidemic system of HIV/AIDS transmission. <i>AEJ - Alexandria Engineering Journal</i> , 2020 , 59, 3197-3211	6.1	15
136	Jacobi elliptic function solutions of the double dispersive equation in the Murnaghan's rod. <i>European Physical Journal Plus</i> , 2019 , 134, 1	3.1	14
135	Sumudu Transform Method for Analytical Solutions of Fractional Type Ordinary Differential Equations. <i>Mathematical Problems in Engineering</i> , 2015 , 2015, 1-6	1.1	14
134	Symmetrical hyperbolic Fibonacci function solutions of generalized Fisher equation with fractional order 2013 ,		14
133	An efficient analytical approach for fractional Lakshmanan-Porsezian-Daniel model. <i>Mathematical Methods in the Applied Sciences</i> , 2020 , 43, 4136	2.3	14
132	Computational Investigation of Stefan Blowing Effect on Flow of Second-Grade Fluid Over a Curved Stretching Sheet. <i>International Journal of Applied and Computational Mathematics</i> , 2021 , 7, 1	1.3	14
131	Boussinesq equations: M-fractional solitary wave solutions and convergence analysis. <i>Journal of Ocean Engineering and Science</i> , 2019 , 4, 1-6	4.4	14

130	Regarding the group preserving scheme and method of line to the numerical simulations of Klein-Gordon model. <i>Results in Physics</i> , 2019 , 15, 102555	3.7	13
129	Solitons in conformable time-fractional Wu-Zhang system arising in coastal design 2019 , 93, 1		13
128	Novel wave surfaces to the fractional Zakharov-Kuznetsov-Benjamin-Bona-Mahony equation 2017 ,		13
127	Generalized Kudryashov method for nonlinear fractional double sinh-Poisson equation. <i>Journal of Nonlinear Science and Applications</i> , 2016 , 09, 1349-1355	1.9	13
126	Strong Interacting Internal Waves in Rotating Ocean: Novel Fractional Approach. <i>Axioms</i> , 2021 , 10, 123	1.6	13
125	New Complex Hyperbolic Function Solutions For the (2+1)-Dimensional Dispersive Long Water-Wave System. <i>Mathematical and Computational Applications</i> , 2016 , 21, 6	1	13
124	Regarding the numerical solutions of the Sharma-Tasso-Olver equation. <i>ITM Web of Conferences</i> , 2018 , 22, 01036	0.1	13
123	New solitary wave structures to the (3 + 1) dimensional Kadomtsev-Petviashvili and Schrödinger equation. <i>Journal of Ocean Engineering and Science</i> , 2019 , 4, 373-378	4.4	12
122	Dark and new travelling wave solutions to the nonlinear evolution equation. <i>Optik</i> , 2016 , 127, 8043-8055	2.5	12
121	Periodic waves of the non dissipative double dispersive micro strain wave in the micro structured solids. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020 , 545, 123772	3.3	12
120	On the Complex Simulations With Dark-Bright to the Hirota-Maccari System. <i>Journal of Computational and Nonlinear Dynamics</i> , 2021 , 16,	1.4	12
119	Regarding some novel exponential travelling wave solutions to the Wu-Zhang system arising in nonlinear water wave model. <i>Indian Journal of Physics</i> , 2019 , 93, 1031-1039	1.4	12
118	New wave behaviors and stability analysis of the Gilson-Pickering equation in plasma physics. <i>Indian Journal of Physics</i> , 2021 , 95, 1003-1008	1.4	12
117	W-shaped surfaces to the nematic liquid crystals with three nonlinearity laws. <i>Soft Computing</i> , 2021 , 25, 4513-4524	3.5	12
116	An Effective Schema for Solving Some Nonlinear Partial Differential Equation Arising In Nonlinear Physics. <i>Open Physics</i> , 2015 , 13,	1.3	11
115	An efficient technique for a fractional-order system of equations describing the unsteady flow of a polytropic gas 2019 , 93, 1		11
114	Investigations of the complex wave patterns to the generalized Calogero-Bogoyavlenskii-Schiff equation. <i>Soft Computing</i> , 2021 , 25, 6999-7008	3.5	11
113	Investigation of shallow water waves and solitary waves to the conformable 3D-WBBM model by an analytical method. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2021 , 403, 127388	2.3	11

112	Prototype traveling wave solutions of new coupled Konno-Oono equation. <i>Optik</i> , 2016 , 127, 10786-10794	5	11
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110	Longitudinal strain waves propagating in an infinitely long cylindrical rod composed of generally incompressible materials and its Jacobi elliptic function solutions. <i>Mathematics and Computers in Simulation</i> , 2021 , 182, 566-602	3.3	11
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