Alper Korkmaz

List of Publications by Year
in descending order

		218677	276875
48 papers	1,717 citations	26 h-index	41 g-index
48 all docs	48 docs citations	48 times ranked	680 citing authors

#	Article	IF	Citations
1	Bright and Singular Optical Solitons in Nonlinear Negative-Index Materials with Quadratic–Cubic Nonlinearity. Arabian Journal for Science and Engineering, 2021, 46, 5977-5991.	3.0	1
2	Computational solutions of the generalized Ito equation in nonlinear dispersive systems. International Journal of Modern Physics B, 2021, 35, 2150172.	2.0	6
3	New auxiliary equation approach to derive solutions of fractional resonant Schrödinger equation. Analysis and Mathematical Physics, 2021, 11, 1.	1.3	19
4	New Travelling Wave Solution-Based New Riccati Equation for Solving KdV and Modified KdV Equations. Applied Mathematics and Nonlinear Sciences, 2021, 6, 447-458.	1.6	9
5	Sine-Gordon expansion method for exact solutions to conformable time fractional equations in RLW-class. Journal of King Saud University - Science, 2020, 32, 567-574.	3.5	104
6	Exponential B-spline collocation solutions to the Gardner equation. International Journal of Computer Mathematics, 2020, 97, 837-850.	1.8	9
7	Exact traveling wave solutions of density-dependent conformable space–time-fractional diffusion–reaction equation with quadratic nonlinearity. Indian Journal of Physics, 2020, 94, 1573-1580.	1.8	1
8	Soliton solutions in different classes for the Kaup–Newell model equation. Modern Physics Letters B, 2020, 34, 2050038.	1.9	26
9	New exact solitary waves solutions to the fractional Fokas-Lenells equation via Atangana-Baleanu derivative operator. International Journal of Modern Physics B, 2020, 34, 2050309.	2.0	9
10	A novel time efficient structure-preserving splitting method for the solution of two-dimensional reaction-diffusion systems. Advances in Difference Equations, 2020, 2020, .	3.5	7
11	On Tzitéica type nonlinear equations for multiple soliton solutions in nonlinear optics. AIMS Mathematics, 2020, 5, 6580-6593.	1.6	2
12	Hyperbolic rational solutions to a variety of conformable fractional Boussinesq-Like equations. Nonlinear Engineering, 2019, 8, 224-230.	2.7	81
13	A sub-equation method for solving the cubic–quartic NLSE with the Kerr law nonlinearity. Modern Physics Letters B, 2019, 33, 1950197.	1.9	29
14	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.	1.9	79
15	The propagation of waves in thin-film ferroelectric materials. Pramana - Journal of Physics, 2019, 93, 1.	1.8	33
16	A large family of optical solutions to Kundu–Eckhaus model by a new auxiliary equation method. Optical and Quantum Electronics, 2019, 51, 1.	3.3	108
17	Explicit exact solutions to some one-dimensional conformable time fractional equations. Waves in Random and Complex Media, 2019, 29, 124-137.	2.7	39
18	Traveling wave solution of conformable fractional generalized reaction Duffing model by generalized projective Riccati equation method. Optical and Quantum Electronics, 2018, 50, 1.	3.3	93

#	Article	IF	Citations
19	Hyperbolic tangent solution to the conformable time fractional Zakharov-Kuznetsov equation in 3D space. AIP Conference Proceedings, 2018, , .	0.4	4
20	Traveling waves in rational expressions of exponential functions to the conformable time fractional Jimbo–Miwa and Zakharov–Kuznetsov equations. Optical and Quantum Electronics, 2018, 50, 1.	3.3	5
21	Stability satisfied numerical approximates to the non-analytical solutions of the cubic Schrödinger equation. Applied Mathematics and Computation, 2018, 331, 210-231.	2.2	2
22	Complex Wave Solutions to Mathematical Biology Models I: Newell–Whitehead–Segel and Zeldovich Equations. Journal of Computational and Nonlinear Dynamics, 2018, 13, .	1.2	26
23	Numerical solutions of the Gardner equation by extended form of the cubic B-splines. Pramana - Journal of Physics, 2018, 91, 1.	1.8	10
24	The unified method for conformable time fractional Schr$\ddot{\text{o}}$dinger equation with perturbation terms. Chinese Journal of Physics, 2018, 56, 2500-2506.	3.9	143
25	On the numerical solution of the Klein-Gordon equation by exponential cubic B-spline collocation method. Communications Faculty of Science University of Ankara Series A1Mathematics and Statistics, 2018, 68, 412-421.	0.5	4
26	Exact solutions of space-time fractional EW and modified EW equations. Chaos, Solitons and Fractals, 2017, 96, 132-138.	5.1	52
27	Tanh-type and sech-type solitons for some space-time fractional PDE models. European Physical Journal Plus, 2017, 132, 1.	2.6	30
28	Dark Soliton Solutions of Space-Time Fractional Sharma–Tasso–Olver and Potential Kadomtsev–Petviashvili Equations. Communications in Theoretical Physics, 2017, 67, 182.	2.5	30
29	Exact Solutions to (3+1) Conformable Time Fractional Jimbo–Miwa, Zakharov–Kuznetsov and Modified Zakharov–Kuznetsov Equations. Communications in Theoretical Physics, 2017, 67, 479.	2.5	68
30	Exact solutions of a nonlinear conformable time-fractional parabolic equation with exponential nonlinearity using reliable methods. Optical and Quantum Electronics, 2017, 49, 1.	3.3	80
31	Exponential B-Splines for Numerical Solutions to Some Boussinesq Systems for Water Waves. Mediterranean Journal of Mathematics, 2016, 13, 4975-4994.	0.8	13
32	Quartic and quintic B-spline methods for advection–diffusion equation. Applied Mathematics and Computation, 2016, 274, 208-219.	2.2	33
33	Korteweg-de Vries Equation. , 2015, , 763-764.		0
34	Numerical Simulations of Boundary-Forced RLW Equation with Cubic B-Spline-based Differential Quadrature Methods. Arabian Journal for Science and Engineering, 2013, 38, 1151-1160.	1.1	35
35	Cubic B–spline differential quadrature methods and stability for Burgers' equation. Engineering Computations, 2013, 30, 320-344.	1.4	43
36	An analytic solution of initial boundary value problem for 3D quasicrystals in half space. Philosophical Magazine Letters, 2012, 92, 572-579.	1.2	0

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37	Cubic B‑spline differential quadrature methods for the advection‑diffusion equation. International Journal of Numerical Methods for Heat and Fluid Flow, 2012, 22, 1021-1036.	2.8	55
38	Shock wave simulations using Sinc Differential Quadrature Method. Engineering Computations, 2011, 28, 654-674.	1.4	97
39	Polynomial based differential quadrature method for numerical solution of nonlinear Burgers' equation. Journal of the Franklin Institute, 2011, 348, 2863-2875.	3.4	64
40	Cosine expansion‑based differential quadrature algorithm for numerical solution of the RLW equation. Numerical Methods for Partial Differential Equations, 2010, 26, 544-560.	3.6	7
41	Numerical algorithms for solutions of Korteweg‑de Vries equation. Numerical Methods for Partial Differential Equations, 2010, 26, 1504-1521.	3.6	35
42	Numerical investigation of the solution of Fisher's equation via the B‑spline Galerkin method. Numerical Methods for Partial Differential Equations, 2010, 26, 1483-1503.	3.6	43
43	Solitary wave simulations of Complex Modified Korteweg‑de Vries Equation using differential quadrature method. Computer Physics Communications, 2009, 180, 1516-1523.	7.5	29
44	A differential quadrature algorithm for nonlinear Schrödinger equation. Nonlinear Dynamics, 2009, 56, 69-83.	5.2	46
45	Crank-Nicolson ‑ Differential quadrature algorithms for the Kawahara equation. Chaos, Solitons and Fractals, 2009, 42, 65-73.	5.1	40
46	Three different methods for numerical solution of the EW equation. Engineering Analysis With Boundary Elements, 2008, 32, 556-566.	3.7	30
47	A differential quadrature algorithm for simulations of nonlinear Schrödinger equation. Computers and Mathematics With Applications, 2008, 56, 2222-2234.	2.7	36
48	An expansion based on Sine-Gordon equation to Solve KdV and modified KdV equations in conformable fractional forms. Boletim Da Sociedade Paranaense De Matematica, 0, 40, 1-10.	0.4	2