

# Alper Korkmaz

## List of Publications by Year in descending order

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48  
papers

1,717  
citations

218677

26  
h-index

276875

41  
g-index

48  
all docs

48  
docs citations

48  
times ranked

680  
citing authors

#	ARTICLE	IF	CITATIONS
1	The unified method for conformable time fractional Schrödinger equation with perturbation terms. Chinese Journal of Physics, 2018, 56, 2500-2506.	3.9	143
2	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
3	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
4	Shock wave simulations using Sinc Differential Quadrature Method. Engineering Computations, 2011, 28, 654-674.	1.4	97
5	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
6	Hyperbolic rational solutions to a variety of conformable fractional Boussinesq-Like equations. Nonlinear Engineering, 2019, 8, 224-230.	2.7	81
7	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
8	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
9	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
10	Polynomial based differential quadrature method for numerical solution of nonlinear Burgers' equation. Journal of the Franklin Institute, 2011, 348, 2863-2875.	3.4	64
11	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
12	Exact solutions of space-time fractional EW and modified EW equations. Chaos, Solitons and Fractals, 2017, 96, 132-138.	5.1	52
13	A differential quadrature algorithm for nonlinear Schrödinger equation. Nonlinear Dynamics, 2009, 56, 69-83.	5.2	46
14	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
15	Cubic B-spline differential quadrature methods and stability for Burgers' equation. Engineering Computations, 2013, 30, 320-344.	1.4	43
16	Crank-Nicolson Differential quadrature algorithms for the Kawahara equation. Chaos, Solitons and Fractals, 2009, 42, 65-73.	5.1	40
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	A differential quadrature algorithm for simulations of nonlinear Schrödinger equation. Computers and Mathematics With Applications, 2008, 56, 2222-2234.	2.7	36

#	ARTICLE	IF	CITATIONS
19	Numerical algorithms for solutions of Kortewegâ€“de Vries equation. Numerical Methods for Partial Differential Equations, 2010, 26, 1504-1521.	3.6	35
20	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
21	Quartic and quintic B-spline methods for advectionâ€“diffusion equation. Applied Mathematics and Computation, 2016, 274, 208-219.	2.2	33
22	The propagation of waves in thin-film ferroelectric materials. Pramana - Journal of Physics, 2019, 93, 1.	1.8	33
23	Three different methods for numerical solution of the EW equation. Engineering Analysis With Boundary Elements, 2008, 32, 556-566.	3.7	30
24	Tanh-type and sech-type solitons for some space-time fractional PDE models. European Physical Journal Plus, 2017, 132, 1.	2.6	30
25	Dark Soliton Solutions of Space-Time Fractional Sharmaâ€“Tassoâ€“Olver and Potential Kadomtsevâ€“Petviashvili Equations. Communications in Theoretical Physics, 2017, 67, 182.	2.5	30
26	Solitary wave simulations of Complex Modified Kortewegâ€“de Vries Equation using differential quadrature method. Computer Physics Communications, 2009, 180, 1516-1523.	7.5	29
27	A sub-equation method for solving the cubicâ€“quartic NLSE with the Kerr law nonlinearity. Modern Physics Letters B, 2019, 33, 1950197.	1.9	29
28	Complex Wave Solutions to Mathematical Biology Models I: Newellâ€“Whiteheadâ€“Segel and Zeldovich Equations. Journal of Computational and Nonlinear Dynamics, 2018, 13, .	1.2	26
29	Soliton solutions in different classes for the Kaupâ€“Newell model equation. Modern Physics Letters B, 2020, 34, 2050038.	1.9	26
30	New auxiliary equation approach to derive solutions of fractional resonant Schrödinger equation. Analysis and Mathematical Physics, 2021, 11, 1.	1.3	19
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	Numerical solutions of the Gardner equation by extended form of the cubic B-splines. Pramana - Journal of Physics, 2018, 91, 1.	1.8	10
33	Exponential B-spline collocation solutions to the Gardner equation. International Journal of Computer Mathematics, 2020, 97, 837-850.	1.8	9
34	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
35	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
36	Cosine expansionâ€“based differential quadrature algorithm for numerical solution of the RLW equation. Numerical Methods for Partial Differential Equations, 2010, 26, 544-560.	3.6	7

#	ARTICLE	IF	CITATIONS
37	A novel time efficient structure-preserving splitting method for the solution of two-dimensional reaction-diffusion systems. <i>Advances in Difference Equations</i> , 2020, 2020, .	3.5	7
38	Computational solutions of the generalized Ito equation in nonlinear dispersive systems. <i>International Journal of Modern Physics B</i> , 2021, 35, 2150172.	2.0	6
39	Traveling waves in rational expressions of exponential functions to the conformable time fractional Jimbo-Miwa and Zakharov-Kuznetsov equations. <i>Optical and Quantum Electronics</i> , 2018, 50, 1.	3.3	5
40	Hyperbolic tangent solution to the conformable time fractional Zakharov-Kuznetsov equation in 3D space. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	4
41	On the numerical solution of the Klein-Gordon equation by exponential cubic B-spline collocation method. <i>Communications Faculty of Science University of Ankara Series A1 Mathematics and Statistics</i> , 2018, 68, 412-421.	0.5	4
42	Stability satisfied numerical approximates to the non-analytical solutions of the cubic Schrödinger equation. <i>Applied Mathematics and Computation</i> , 2018, 331, 210-231.	2.2	2
43	On Tzitzica type nonlinear equations for multiple soliton solutions in nonlinear optics. <i>AIMS Mathematics</i> , 2020, 5, 6580-6593.	1.6	2
44	An expansion based on Sine-Gordon equation to Solve KdV and modified KdV equations in conformable fractional forms. <i>Boletim Da Sociedade Paranaense De Matematica</i> , 0, 40, 1-10.	0.4	2
45	Exact traveling wave solutions of density-dependent conformable space-time-fractional diffusion-reaction equation with quadratic nonlinearity. <i>Indian Journal of Physics</i> , 2020, 94, 1573-1580.	1.8	1
46	Bright and Singular Optical Solitons in Nonlinear Negative-Index Materials with Quadratic-Cubic Nonlinearity. <i>Arabian Journal for Science and Engineering</i> , 2021, 46, 5977-5991.	3.0	1
47	An analytic solution of initial boundary value problem for 3D quasicrystals in half space. <i>Philosophical Magazine Letters</i> , 2012, 92, 572-579.	1.2	0
48	Korteweg-de Vries Equation. , 2015, , 763-764.		0