Aydin Secer

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6401762/publications.pdf

Version: 2024-02-01

		331670	434195
76	1,235	21	31
papers	citations	h-index	g-index

76	76	76	476
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Note on Fractional Order Derivatives and Table of Fractional Derivatives of Some Special Functions. Abstract and Applied Analysis, 2013, 2013, 1-8.	0.7	129
2	An encyclopedia of Kudryashovâ€™s integrability approaches applicable to optoelectronic devices. Optik, 2022, 265, 169499.	2.9	60
3	The Time-Fractional Coupled-Korteweg-de-Vries Equations. Abstract and Applied Analysis, 2013, 2013, 1-8.	0.7	56
4	On the optical soliton solutions of Kunduâ€“Mukherjeeâ€“Naskar equation via two different analytical methods. Optik, 2022, 257, 168761.	2.9	47
5	The analytical solutions of Zoomeron equation via extended rational sin-cos and sinh-cosh methods. Physica Scripta, 2021, 96, 094002.	2.5	43
6	Derivation of optical solitons of dimensionless Fokas-Lenells equation with perturbation term using Sardar sub-equation method. Optical and Quantum Electronics, 2022, 54, .	3.3	43
7	Optical solitons with Kudryashovâ€™s sextic power-law nonlinearity. Optik, 2022, 261, 169202.	2.9	41
8	On solitary wave solutions for the perturbed Chenâ€“Leeâ€“Liu equation via an analytical approach. Optik, 2021, 245, 167641.	2.9	40
9	Optical Soliton Solutions to Chen Lee Liu model by the modified extended tanh expansion scheme. Optik, 2021, 245, 167643.	2.9	39
10	Optical solitons of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e311" altimg="si3.svg"><mml:mrow><mml:mo>(</mml:mo><mml:mn>2</mml:mn><mml:mo) Tj ETQq0 0 0 rgBT /Overlock 10 Tf Biswasâ€“Milovic equation using modified extended<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e325" altimg="si4.svg"><mml:	2.9	39
11	Optical solitons and other solutions to the Radhakrishnan-Kundu-Lakshmanan equation. Optik, 2021, 242, 167363.	2.9	34
12	A reliable analytical approach for a fractional model of advection-dispersion equation. Nonlinear Engineering, 2019, 8, 107-116.	2.7	30
13	On Generalized Fractional Kinetic Equations Involving Generalized Bessel Function of the First Kind. Mathematical Problems in Engineering, 2015, 2015, 1-7.	1.1	28
14	On the analytical optical soliton solutions of perturbed Radhakrishnanâ€“Kunduâ€“Lakshmanan model with Kerr law nonlinearity. Optical and Quantum Electronics, 2022, 54, .	3.3	26
15	A New Approximate Analytical Solution of Kuramoto â€“Sivashinsky Equation Using Homotopy Analysis Method. Applied Mathematics and Information Sciences, 2013, 7, 267-271.	0.5	25
16	Perturbation of dispersive optical solitons with SchrÃ¶dingerâ€“Hirota equation with Kerr law and spatio-temporal dispersion. Optik, 2022, 265, 169545.	2.9	25
17	Optical soliton perturbation with Fokasâ€“Lenells equation via enhanced modified extended tanh-expansion approach. Optik, 2022, 267, 169615.	2.9	25
18	Efficient solutions of systems of fractional PDEs by the differential transform method. Advances in Difference Equations, 2012, 2012, .	3.5	24

#	Article	IF	Citations
19	Optical solitons and other solutions to the Hirotaâ€“Maccari system with conformable, M-truncated and beta derivatives. Modern Physics Letters B, 2022, 36, .	1.9	24
20	Numerical Solution of Fractional Benney Equation. Applied Mathematics and Information Sciences, 2014, 8, 1633-1637.	0.5	23
21	Sinc-Galerkin method for approximate solutions of fractional order boundary value problems. Boundary Value Problems, 2013, 2013, .	0.7	22
22	The Gegenbauer Wavelets-Based Computational Methods for the Coupled System of Burgersâ€™ Equations with Time-Fractional Derivative. Mathematics, 2019, 7, 486.	2.2	22
23	An application of Genocchi wavelets for solving the fractional Rosenau-Hyman equationâ˜†. AEJ - Alexandria Engineering Journal, 2021, 60, 5331-5340.	6.4	22
24	Dark, bright and singular optical solutions of the Kaupâ€“Newell model with two analytical integration schemes. Optik, 2022, 261, 169110.	2.9	22
25	An efficient algorithm for solving fractional differential equations with boundary conditions. Open Physics, 2016, 14, 6-14.	1.7	20
26	Soliton Solutions of $$(2+1)$$ Dimensional Heisenberg Ferromagnetic Spin Equation by the Extended Rational $$sine-cosine$$ and $$sinh-cosh$$ Method. International Journal of Applied and Computational Mathematics, 2021, 7, 1.	1.6	18
27	Oscillation of solutions for a class of nonlinear fractional difference equations. Journal of Nonlinear Science and Applications, 2016, 09, 5862-5869.	1.0	18
28	A Jacobi wavelet collocation method for fractional fisher's equation in time. Thermal Science, 2020, 24, 119-129.	1.1	18
29	A New Operational Matrix of Fractional Derivatives to Solve Systems of Fractional Differential Equations via Legendre Wavelets. Mathematics, 2018, 6, 238.	2.2	17
30	A comparison of analytical solutions of nonlinear complex generalized Zakharov dynamical system for various definitions of the differential operator. Electronic Research Archive, 2022, 30, 335-361.	0.9	17
31	Convexity of Certainq-Integral Operators ofp-Valent Functions. Abstract and Applied Analysis, 2014, 2014, 1-7.	0.7	15
32	Dispersive optical solitons of Biswasâ€“Arshed equation with a couple of novel approaches. Optik, 2022, 265, 169547.	2.9	15
33	Approximate analytic solution of fractional heat-like and wave-like equations with variable coefficients using the differential transforms method. Advances in Difference Equations, 2012, 2012, .	3.5	14
34	A Hermite Polynomial Approach for Solving the SIR Model of Epidemics. Mathematics, 2018, 6, 305.	2.2	14
35	An effective computational approach based on Gegenbauer wavelets for solving the time-fractional Kdv-Burgers-Kuramoto equation. Advances in Difference Equations, 2019, 2019, .	3.5	13
36	Analytical solutions of simplified modified Camassa-Holm equationÂwith conformable and M-truncated derivatives: A comparative study. Journal of Ocean Engineering and Science, 2022, , .	4.3	13

#	Article	IF	Citations
37	Solitary wave solutions of chiral nonlinear SchrÃ¶dinger equations. Modern Physics Letters B, 0, , 2150472.	1.9	12
38	An Improved Bees Algorithm for Training Deep Recurrent Networks for Sentiment Classification. Symmetry, 2021, 13, 1347.	2.2	11
39	Traveling wave structures of some fourth-order nonlinear partial differential equations. Journal of Ocean Engineering and Science, 2023, 8, 124-132.	4.3	11
40	Solving the fractional Jaulentâ€“Miodek system via a modified Laplace decomposition method. Waves in Random and Complex Media, 0, , 1-14.	2.7	10
41	The sinc-Galerkin method and its applications on singular Dirichlet-type boundary value problems. Boundary Value Problems, 2012, 2012, .	0.7	9
42	A Novel Matching of MR Images Using Gabor Wavelets. IETE Technical Review (Institution of) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542	3.2	8
43	Application of Sinc-Galerkin Method for Solving Space-Fractional Boundary Value Problems. Mathematical Problems in Engineering, 2015, 2015, 1-10.	1.1	8
44	Oscillation criteria for nonlinear fractional differential equation with damping term. Open Physics, 2016, 14, 119-128.	1.7	8
45	Novel soliton solutions of Sasaâ€“Satsuma model with local derivative via an analytical technique. Journal of Laser Applications, 2022, 34, .	1.7	8
46	Majorization for a Class of Analytic Functions Defined by<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="M1"><mml:mrow><mml:mi>q</mml:mi></mml:mrow></mml:math>-Differentiation. Mathematical Problems in Engineering, 2014, 2014, 1-5.	1.1	7
47	An efficient scheme for solving a system of fractional differential equations with boundary conditions. Advances in Difference Equations, 2017, 2017, .	3.5	7
48	Modified Laguerre wavelet based Galerkin method for fractional and fractional-order delay differential equations. Thermal Science, 2019, 23, 13-21.	1.1	6
49	Stability, Synchronization Control and Numerical Solution of Fractional Shimizuâ€“Morioka Dynamical System. Applied Mathematics and Information Sciences, 2014, 8, 1699-1705.	0.5	5
50	Legendre wavelet operational matrix method for solving fractional differential equations in some special conditions. Thermal Science, 2019, 23, 203-214.	1.1	5
51	An efficient computer application of the sinc-Galerkin approximation for nonlinear boundary value problems. Boundary Value Problems, 2012, 2012, .	0.7	4
52	Numerical Solution and Simulation of Second-Order Parabolic PDEs with Sinc-Galerkin Method Using Maple. Abstract and Applied Analysis, 2013, 2013, 1-10.	0.7	4
53	Sinc-Galerkin method for solving hyperbolic partial differential equations. International Journal of Optimization and Control: Theories and Applications, 2018, 8, 250-258.	1.7	4
54	An algorithm for numerical solution of some nonlinear multi-dimensional parabolic partial differential equations. Journal of Computational Science, 2021, 56, 101487.	2.9	4

#	Article	IF	Citations
55	A new operational matrix of fractional derivative based on the generalized Gegenbauerâ€“Humbert polynomials to solve fractional differential equations. AEJ - Alexandria Engineering Journal, 2021, 60, 3509-3519.	6.4	3
56	Oscillation properties of solutions of fractional difference equations. Thermal Science, 2019, 23, 185-192.	1.1	3
57	Curvature-driven diffusion-based mathematical image registration models. Advances in Difference Equations, 2012, 2012, 193.	3.5	2
58	Chebyshev wavelet collocation method for Ginzburg-Landau equation. Thermal Science, 2019, 23, 57-65.	1.1	2
59	The generalized Gegenbauer-Humberts wavelet for solving fractional differential equations. Thermal Science, 2020, 24, 107-118.	1.1	2
60	Efficient Variational Approaches for Deformable Registration of Images. Abstract and Applied Analysis, 2012, 2012, 1-8.	0.7	1
61	A computational method using multiresolution for volumetric data integration. Boundary Value Problems, 2012, 2012, .	0.7	1
62	Wavelet-Petrov-Galerkin Method for Numerical Solution of Boussinesq Equation. Applied Mechanics and Materials, 2013, 319, 451-455.	0.2	1
63	A Generalized<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="M1"><mml:mrow><mml:mi>q</mml:mi></mml:mrow></mml:math>-GrÃ¼ss Inequality Involving the Riemann-Liouville Fractional<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="M2"><mml:mrow><mml:mi>q</mml:mi></mml:mrow></mml:math>-Integrals. Journal of Applied Mathematics, 2014, 2014, 1-6.	0.9	1
64	Solving nonlinear boundary value problems by the Galerkin method with sinc functions. Open Physics, 2015, 13, .	1.7	1
65	The common solution for a generalized equilibrium problem, a variational inequality problem and a hierarchical fixed point problem. Journal of Inequalities and Applications, 2015, 2015, .	1.1	1
66	MS-TR: A Morphologically enriched sentiment Treebank and recursive deep models for compositional semantics in Turkish. Cogent Engineering, 2021, 8, 1893621.	2.2	1
67	Oscillatory behavior of solutions of differential equations with fractional order. Applied Mathematics and Information Sciences, 2017, 11, 683-691.	0.5	1
68	Generalized Gegenbauerâ€“Humbert wavelets for solving fractional partial differential equations. Engineering With Computers, 2023, 39, 1363-1374.	6.1	1
69	A Jacobi wavelet collocation method for fractional fisher's equation in time. Thermal Science, 2020, 24, 119-129.	1.1	1
70	Wavelet-based Numerical Approaches for Solving the Korteweg-de Vries (KdV) Equation. Turkish Journal of Mathematics & Computer Science, 2022, 14, 44-55.	0.9	1
71	Theory, Methods, and Applications of Fractional Calculus. Scientific World Journal, The, 2014, 2014, 1-2.	2.1	0
72	Sinc-Galerkin method for solving system of singular perturbed reaction-diffusion problems. Sigma Journal of Engineering and Natural Sciences, 0, , 203-212.	0.0	0

#	Article	IF	Citations
73	A new numerical approach for solving high-order linear and non-linear differantial equations. Thermal Science, 2018, 22, 67-77.	1.1	0
74	A collocation method for solving boundary value problems of fractional order. Sakarya University Journal of Science, 0, , 1-1.	0.7	0
75	The Asymptotic Behavior of Solutions of Discrete Nonlinear Fractional Equations. Fractional Calculus and Applied Analysis, 2020, 23, 1472-1482.	2.2	0
76	The generalized Gegenbauer-Humberts wavelet for solving fractional differential equations. Thermal Science, 2020, 24, 107-118.	1.1	0