Farah Aini Abdullah

List of Publications by Year
in descending order

59 papers	636 citations	567281 15 h-index	610901 24 g-index
59 all docs	59 docs citations	59 times ranked	329 citing authors

#	Article	IF	Citations
1	Dynamical behavior of a fractional-order Hantavirus infection model incorporating harvesting. AEJ - Alexandria Engineering Journal, 2022, 61, 11301-11312.	6.4	1
2	Dynamical analysis of a fractional order eco-epidemiological model with nonlinear incidence rate and prey refuge. Journal of Applied Mathematics and Computing, 2021, 65, 623-650.	2.5	6
3	Global stability of a fractional order eco-epidemiological system with infected prey. International Journal of Mathematical Modelling and Numerical Optimisation, 2021, 11, 53.	0.2	5
4	Global stability of a fractional order eco-epidemiological system with infected prey. International Journal of Mathematical Modelling and Numerical Optimisation, 2021, 11, 53.	0.2	1
5	An SVEIRE Model of Tuberculosis to Assess the Effect of an Imperfect Vaccine and Other Exogenous Factors. Mathematics, 2021, 9, 327.	2.2	19
6	Bifurcation Analysis of a Tuberculosis Model with the Risk of Re-infection. Springer Proceedings in Mathematics and Statistics, 2021, , 197-213.	0.2	1
7	Analysis of a Tuberculosis Infection Model considering the Influence of Saturated Recovery (Treatment). Complexity, 2021, 2021, 1-16.	1.6	2
8	Dynamical Analysis of a Fractional-Order Hantavirus Infection Model. International Journal of Nonlinear Sciences and Numerical Simulation, 2020, 21, 171-181.	1.0	7
9	An Efficient Numerical Scheme for Variable-Order Fractional Sub-Diffusion Equation. Symmetry, 2020, 12, 1437.	2.2	21
10	Dynamical analysis of pertussis with maternally derived immunity. AIP Conference Proceedings, 2020, , .	0.4	0
11	Deterministic model of tuberculosis infection in the presence of educational counselling, treatment and vaccination. AIP Conference Proceedings, 2020, , .	0.4	0
12	Fourth-Order Difference Approximation for Time-Fractional Modified Sub-Diffusion Equation. Symmetry, 2020, 12, 691.	2.2	24
13	Dynamical analysis of a fractional-order eco-epidemiological model with disease in prey population. Advances in Difference Equations, 2020, 2020, .	3.5	23
14	Mathematical Model of Dengue Virus with Predator-Prey Interactions. Sains Malaysiana, 2020, 49, 1191-1200.	0.5	0
15	Dynamical Analysis on the Transmission of Pertussis with Maternally Derived Immunity. Journal of Mathematics and Statistics, 2020, 16, 104-112.	0.2	0
16	Optimal control and sensitivity analysis ofSIVâ†'HIVdynamics with effects of infected immigrants in subâ€Saharan Africa. Mathematical Methods in the Applied Sciences, 2019, 42, 1729-1744.	2.3	2
17	Modeling and Optimal Control on the Spread of Hantavirus Infection. Mathematics, 2019, 7, 1192.	2.2	7
18	Modified implicit difference method for one-dimensional fractional wave equation. AIP Conference Proceedings, 2019, , .	0.4	6

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19	Stage Structure and Refuge Effects in the Dynamical Analysis of a Fractional Order Rosenzweig-MacArthur Prey-Predator Model. Progress in Fractional Differentiation and Applications, 2019, 5, 49-64.	0.6	21
20	Dynamical analysis of a fractional-order Rosenzweigâ€"MacArthur model incorporating a prey refuge. Chaos, Solitons and Fractals, 2018, 109, 1-13.	5.1	66
21	Explicit Saulâ€™yev finite difference approximation for two-dimensional fractional sub-diffusion equation. AIP Conference Proceedings, 2018, , .	0.4	5
22	Travelling wave solutions for fractional Boussinesq equation using modified (Gâ€™/G) expansion method. AIP Conference Proceedings, 2018, , .	0.4	6
23	Optimal control strategies for dengue dynamics. AIP Conference Proceedings, 2018, , .	0.4	0
24	New Generalized (Gâ€²/G)-expansion Method to the Zhiber-Shabat Equation and Liouville Equations. Journal of Physics: Conference Series, 2017, 890, 012018.	0.4	6
25	Dynamical behavior of the random field on the pulsating and snaking solitons in cubic-quintic complex Ginzburg-Landau equation. AIP Conference Proceedings, 2017, , .	0.4	0
26	Modified implicit fractional difference scheme for 2D modified anomalous fractional sub-diffusion equation. Advances in Difference Equations, 2017, 2017, .	3.5	18
27	Crank-Nicolson finite difference method for two-dimensional fractional sub-diffusion equation. Journal of Interpolation and Approximation in Scientific Computing, 2017, 2017, 18-29.	0.3	11
28	Further extension of the generalized and improved (Gâ€²/G)-expansion method for nonlinear evolution equation. Journal of the Association of Arab Universities for Basic and Applied Sciences, 2016, 19, 52-58.	1.0	5
29	A model for HIV/AIDS pandemic with optimal control. AIP Conference Proceedings, 2015, 1660, 050007.	0.4	0
30	Control of Plasmodium knowlesi malaria. AIP Conference Proceedings, 2015, , .	0.4	0
31	Optimal strategy for controlling the spread of Plasmodium Knowlesi malaria: Treatment and culling. AIP Conference Proceedings, 2015, , .	0.4	1
32	New Approach of (*G'/G*)-expansion Method for RLW Equation. Research Journal of Applied Sciences, Engineering and Technology, 2014, 7, 4864-4871.	0.1	5
33	Interaction of two pulsating solitons with a discrete time separation in complex cubic-quintic Ginzburg-Landau equation. , 2014, , .		1
34	Breathing solitons for the one-dimensional nonlinear cubic-quintic complex Ginzburg-Landau equation (cqCGLE). , 2014, , .		0
35	Some new solutions of the (1+1)-dimensional PDE via the improved (Gâ€²/G)-expansion method. , 2014, , .		0
36	Backward bifurcation and optimal control of Plasmodium Knowlesi malaria. , 2014, , .		0

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37	Optimal control of HIV/AIDS dynamic: Education and treatment. , 2014, , .		1
38	Creeping solitons and Hartman-Grobman theorem. , 2014, , .		0
39	New generalized and improved (Gâ€²/G)-expansion method for nonlinear evolution equations in mathematical physics. Journal of the Egyptian Mathematical Society, 2014, 22, 390-395.	1.2	28
40	New approach of (Gâ€²/G)-expansion method and new approach of generalized (Gâ€²/G)-expansion method for nonlinear evolution equation. AIP Advances, 2013, 3, .	1.3	77
41	Modeling of Structural Properties of Hexagonal Semiconductors. Procedia Engineering, 2013, 53, 707-709.	1.2	2
42	Extended generalized Riccati equation mapping method for the fifth-order Sawada-Kotera equation. AIP Advances, 2013, 3, .	1.3	19
43	Differential equations to calculate the ionicity factor of hexagonal structure semiconductors. Superlattices and Microstructures, 2013, 53, 24-30.	3.1	4
44	The stability of colorectal cancer mathematical models. , 2013, , .		0
45	Numerical methods for Competitive Hunters Model. , 2013, , .		0
46	The Improved (G<SUP>â€™</SUP>/G)-Expansion Method to the (3+1)-Dimensional Kadomstev-Petviashvili Equation. American Journal of Applied Mathematics and Statistics, 2013, 1, 64-70.	9.8	3
47	Generalized and Improved (Gâ€²/G)-Expansion Method for (3+1)-Dimensional Modified KdV-Zakharov-Kuznetsev Equation. PLoS ONE, 2013, 8, e64618.	2.5	49
48	The Improved<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="M1"><mml:mrow><mml:mrow><mml:mo stretchy="false">(</mml:mo><mml:mrow><mml:mi>G</mml:mi><mml:mo>â€™</mml:mo><mml:mo>/</mml:mo><mml:mi>G</mml:mi (2+1)-Dimensional Modified Zakharov-Kuznetsov Equation. Journal of Applied Mathematics, 2012, 2012, 1-20.	0.9	14
49	the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="M1"><mml:mrow><mml:mrow><mml:mo stretchy="false">(</mml:mo><mml:mrow><mml:mn>2</mml:mn><mml:mo>+</mml:mo><mml:mn>1</mml:mn></mml:mrow><mml Equation. Journal of Applied Mathematics, 2012, 2012, 1-18.	0.9	13
50	New Traveling Wave Solutions of the Higher Dimensional Nonlinear Partial Differential Equation by the Exp-Function Method. Journal of Applied Mathematics, 2012, 2012, 1-14.	0.9	62
51	Some New Traveling Wave Solutions of the Nonlinear Reaction Diffusion Equation by Using the Improved (<mml:math) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 182 Td (xmlns:mml="http://www.w3.org/1998/Math/MathML"> Method. Mathematical Problems in Engineering, 2012, 2012, 1-17.	1.1	18
52	Numerical experiments on one-dimensional nonlinear SchroÌ€dinger equation. , 2012, , .		0
53	Abundant traveling wave solutions of the compound KdV-Burgers equation via the improved (Gâ€²/G)-expansion method. AIP Advances, 2012, 2, .	1.3	10
54	The Basic (<i>G'/G</i>)-Expansion Method for the Fourth Order Boussinesq Equation. Applied Mathematics, 2012, 03, 1144-1152.	0.4	22

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55	The -Expansion Method for Abundant Traveling Wave Solutions of Caudrey-Dodd-Gibbon Equation. Mathematical Problems in Engineering, 2011, 2011, 1-11.	1.1	34
56	Modeling of the Electronic Properties of Hexagonal Semiconductors. Advanced Materials Research, 0, 925, 364-368.	0.3	0
57	A mathematical model of malaria and the effectiveness of drugs. Applied Mathematical Sciences, 0, 7, 3079-3095.	0.1	8
58	Numerical Approximations based on Sextic B-spline Functions for Solving Forth-Order Singular Problems. International Journal of Computer Mathematics, 0, , 1-21.	1.8	0
59	Dynamical behavior of a fractional-order prey–predator model with infection and harvesting. Journal of Applied Mathematics and Computing, 0, , 1.	2.5	2