

# Noufe H Aljahdaly

## List of Publications by Year in descending order

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papers

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citations

687363

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h-index

677142

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times ranked

162  
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel analytical solution to the damped Kawahara equation and its application for modeling the dissipative nonlinear structures in a fluid medium. <i>Journal of Ocean Engineering and Science</i> , 2022, 7, 492-497.	4.3	35
2	On fractional numerical simulation of HIV infection for CD8+ T-cells and its treatment. <i>PLoS ONE</i> , 2022, 17, e0265627.	2.5	3
3	A Comparative Analysis of the Fractional-Order Coupled Korteweg-De Vries Equations with the Mittag-Leffler Law. <i>Journal of Mathematics</i> , 2022, 2022, 1-30.	1.0	47
4	Analysis of Fuzzy Kuramoto-Sivashinsky Equations under a Generalized Fuzzy Fractional Derivative Operator. <i>Journal of Function Spaces</i> , 2022, 2022, 1-11.	0.9	2
5	On the Schrödinger equation for deep water waves using the Padé-Adomian decomposition method. <i>Journal of Ocean Engineering and Science</i> , 2022, , .	4.3	2
6	Semi-analytical solution of non-homogeneous Duffing oscillator equation by the Padé differential transformation algorithm. <i>Journal of Low Frequency Noise Vibration and Active Control</i> , 2022, 41, 1454-1465.	2.9	1
7	A Comparative Analysis of Fractional Space-Time Advection-Dispersion Equation via Semi-Analytical Methods. <i>Journal of Function Spaces</i> , 2022, 2022, 1-11.	0.9	5
8	An Exact Solution to the Quadratic Damping Strong Nonlinearity Duffing Oscillator. <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-8.	1.1	20
9	On the Multistage Differential Transformation Method for Analyzing Damping Duffing Oscillator and Its Applications to Plasma Physics. <i>Mathematics</i> , 2021, 9, 432.	2.2	41
10	Stability analysis and soliton solutions for the longitudinal wave equation in magneto electro-elastic circular rod. <i>Results in Physics</i> , 2021, 26, 104329.	4.1	10
11	Exponential Time Differencing Method for Studying Prey-Predator Dynamic during Mating Period. <i>Computational and Mathematical Methods in Medicine</i> , 2021, 2021, 1-6.	1.3	3
12	Analysis of the Time Fractional-Order Coupled Burgers Equations with Non-Singular Kernel Operators. <i>Mathematics</i> , 2021, 9, 2326.	2.2	39
13	Nature-based solutions to improve the summer thermal comfort outdoors. <i>Case Studies in Thermal Engineering</i> , 2021, 28, 101399.	5.7	23
14	A thermal conductivity model for hybrid heat and mass transfer investigation of single and multi-wall carbon nano-tubes flow induced by a spinning body. <i>Case Studies in Thermal Engineering</i> , 2021, 28, 101449.	5.7	24
15	Fractional numerical simulation of mathematical model of HIV-1 infection with stem cell therapy. <i>AIMS Mathematics</i> , 2021, 6, 6715-6725.	1.6	10
16	Solitary wave solutions of the ionic currents along microtubule dynamical equations via analytical mathematical method. <i>Open Physics</i> , 2021, 19, 494-503.	1.7	4
17	$\langle \mathit{http://www.w3.org/1998/Math/MathML} \mathit{id}=\mathit{"M1"} \rangle \langle \mathit{mi} \rangle \langle \mathit{/mi} \rangle \langle \mathit{/math} \rangle$ -Haar Wavelet Operational Matrix Method for Fractional Relaxation-Oscillation Equations Containing $\langle \mathit{http://www.w3.org/1998/Math/MathML} \mathit{id}=\mathit{"M2"} \rangle \langle \mathit{mi} \rangle \langle \mathit{/mi} \rangle \langle \mathit{/math} \rangle$ -Caputo Fractional Derivative. <i>Journal of Function Spaces</i> . 2021, 2021, 1-14.	0.9	20
18	Exponential time differencing method for modeling the dissipative rogue waves and breathers in a collisional plasma. <i>European Physical Journal Plus</i> , 2021, 136, 1.	2.6	13

#	ARTICLE	IF	CITATIONS
19	Adomian decomposition method for modelling the dissipative higher-order rogue waves in a superthermal collisional plasma. Journal of Taibah University for Science, 2021, 15, 971-983.	2.5	20
20	New application through multistage differential transform method. AIP Conference Proceedings, 2020, , .	0.4	7
21	Simulation study on nonlinear structures in nonlinear dispersive media. Chaos, 2020, 30, 053117.	2.5	43
22	Analytical wave solution for the generalized nonlinear seventh-order KdV dynamical equations arising in shallow water waves. Modern Physics Letters B, 2020, 34, 2050279.	1.9	9
23	The nonlinear integro-differential Ito dynamical equation via three modified mathematical methods and its analytical solutions. Open Physics, 2020, 18, 24-32.	1.7	9
24	Global stability and numerical simulation of a mathematical model of stem cells therapy of HIV-1 infection. Journal of Computational Science, 2020, 45, 101176.	2.9	11
25	Breather and solitons waves in optical fibers via exponential time differencing method. Communications in Nonlinear Science and Numerical Simulation, 2020, 85, 105237.	3.3	15
26	Some applications of the modified $G$ -expansion method for solving nonlinear partial differential equations. Results in Physics, 2019, 13, 102272.	4.1	18
27	Applications of dispersive analytical wave solutions of nonlinear seventh order Lax and Kaup-Kupershmidt dynamical wave equations. Results in Physics, 2019, 14, 102372.	4.1	18
28	Analytical Solutions of a Modified Predator-Prey Model through a New Ecological Interaction. Computational and Mathematical Methods in Medicine, 2019, 2019, 1-7.	1.3	12
29	Application of mathematical methods for the non-linear seventh order Sawada-Kotera-Ito dynamical wave equation. Thermal Science, 2019, 23, 2081-2093.	1.1	9
30	Buoyancy-Driven Rayleigh-Taylor Instability in a Vertical Channel. Journal of Non-Equilibrium Thermodynamics, 2018, 43, 289-300.	4.2	2