

# Abdullah K Alzahrani

## List of Publications by Year in descending order

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Version: 2024-02-01

13  
papers

266  
citations

1163117

8  
h-index

1125743

13  
g-index

13  
all docs

13  
docs citations

13  
times ranked

141  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Solitons and conservation laws in magneto-optic waveguides with triple-power law nonlinearity. <i>Journal of Optics (India)</i> , 2020, 49, 584-590.   | 1.7 | 54        |
| 2  | Highly dispersive optical solitons in birefringent fibers with four nonlinear forms using Kudryashov's approach. <i>Journal of Optics (India)</i> , 2021, 50, 120-131.   | 1.7 | 49        |
| 3  | An efficient numerical technique for a new fractional tuberculosis model with nonsingular derivative operator. <i>Journal of Taibah University for Science</i> , 2019, 13, 1147-1157.  | 2.5 | 37        |
| 4  | Fuzzy Neural Network Expert System with an Improved Gini Index Random Forest-Based Feature Importance Measure Algorithm for Early Diagnosis of Breast Cancer in Saudi Arabia. <i>Big Data and Cognitive Computing</i> , 2022, 6, 13. | 4.7 | 29        |
| 5  | Chaos in a nonautonomous eco-epidemiological model with delay. <i>Applied Mathematical Modelling</i> , 2020, 79, 865-880.  | 4.2 | 21        |
| 6  | Highly dispersive optical solitons with non-local law of refractive index by Laplace-Adomian decomposition. <i>Optical and Quantum Electronics</i> , 2021, 53, 1.  | 3.3 | 18        |
| 7  | Cubic-quartic optical soliton perturbation and conservation laws with generalized Kudryashov's form of refractive index. <i>Journal of Optics (India)</i> , 2021, 50, 354-360.   | 1.7 | 16        |
| 8  | Highly dispersive optical solitons with a polynomial law of refractive index by Laplace-Adomian decomposition. <i>Journal of Computational Electronics</i> , 2021, 20, 1216-1223.  | 2.5 | 12        |
| 9  | Heat Transfer Investigation of the Unsteady Thin Film Flow of Williamson Fluid Past an Inclined and Oscillating Moving Plate. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 369.  | 2.5 | 10        |
| 10 | Optical soliton perturbation with Kudryashov's law of arbitrary refractive index. <i>Journal of Optics (India)</i> , 2021, 50, 245-252.  | 1.7 | 10        |
| 11 | Optical solitons in birefringent fibers with quadratic-cubic nonlinearity by traveling waves and Adomian decomposition. <i>Optical and Quantum Electronics</i> , 2021, 53, 1.  | 3.3 | 4         |
| 12 | Conservation Laws for Solitons in Magneto-optic Waveguides with Anti-cubic and Generalized Anti-cubic Nonlinearities. <i>Regular and Chaotic Dynamics</i> , 2021, 26, 456-461.   | 0.8 | 4         |
| 13 | RESEARCH ON STOCHASTIC FUZZY DIFFERENTIAL EQUATIONS IN MULTIPLE BLURRED IMAGE REPAIR MODELS. <i>Fractals</i> , 2022, 30, .   | 3.7 | 2         |