

# Hashim M Alshehri

## List of Publications by Year in descending order

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26  
papers

304  
citations

1163117

8  
h-index

940533

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g-index

27  
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27  
docs citations

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times ranked

221  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical solitons in birefringent fibers with Sasa–Satsuma equation having multiplicative noise with Itô calculus. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2023, 32, .	1.8	6
2	Cubic–Quartic Optical Soliton Perturbation with Differential Group Delay for the Lakshmanan–Porsezian–Daniel Model by Lie Symmetry. <i>Symmetry</i> , 2022, 14, 224.	2.2	8
3	Highly Dispersive Optical Soliton Perturbation, with Maximum Intensity, for the Complex Ginzburg–Landau Equation by Semi-Inverse Variation. <i>Mathematics</i> , 2022, 10, 987.	2.2	9
4	Numerical study of highly dispersive optical solitons with differential group delay having quadratic-cubic law of refractive index by Laplace–Adomian decomposition. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2022, 31, .	1.8	5
5	Fractional Evolution Equations with Infinite Time Delay in Abstract Phase Space. <i>Mathematics</i> , 2022, 10, 1332.	2.2	11
6	Optical Solitons in Fiber Bragg Gratings with Polynomial Law Nonlinearity and Cubic–Quartic Dispersive Reflectivity. <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , 2022, 130, 28-34.	0.6	3
7	Stability analysis of fractional nabla difference COVID-19 model. <i>Results in Physics</i> , 2021, 22, 103888.	4.1	67
8	Influence of the dissipation on the N-level atom interacting with a two two-level atoms in presence of qubit–qubit interaction. <i>Scientific Reports</i> , 2021, 11, 7345.	3.3	1
9	Electro-osmotic flow of fractional second-grade fluid with fractional Cattaneo heat flux through a vertical microchannel. <i>Heat Transfer</i> , 2021, 50, 6628-6644.	3.0	6
10	Numerical analysis of dual variable of conductivity in bioconvection flow of Carreau–Yasuda nanofluid containing gyrotactic motile microorganisms over a porous medium. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 145, 2033-2044.	3.6	46
11	A Fractional-Order Sequential Hybrid System with an Application to a Biological System. <i>Complexity</i> , 2021, 2021, 1-9.	1.6	3
12	Existence and Numerical Analysis of Imperfect Testing Infectious Disease Model in the Sense of Fractional-Order Operator. <i>Journal of Function Spaces</i> , 2021, 2021, 1-11.	0.9	2
13	Adsorption Method for the Remediation of Brilliant Green Dye Using Halloysite Nanotube: Isotherm, Kinetic and Modeling Studies. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 8088.	2.5	14
14	Magnetized and non-magnetized Casson fluid flow with gyrotactic microorganisms over a stratified stretching cylinder. <i>Scientific Reports</i> , 2021, 11, 16376.	3.3	27
15	A Recent Study on Remediation of Direct Blue 15 Dye Using Halloysite Nanotubes. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 8196.	2.5	7
16	Soret and Dufour effects on a Casson nanofluid flow past a deformable cylinder with variable characteristics and Arrhenius activation energy. <i>Scientific Reports</i> , 2021, 11, 19282.	3.3	20
17	A Fractional Order Hepatitis C Mathematical Model with Mittag-Leffler Kernel. <i>Journal of Function Spaces</i> , 2021, 2021, 1-10.	0.9	6
18	Influence of the nonlinearity of nondegenerate parametric amplifier cavity fields on quantum phenomena of two coupled qubits. <i>European Physical Journal Plus</i> , 2021, 136, 1.	2.6	0

#	ARTICLE	IF	CITATIONS
19	A Special Study of the Mixed Weighted Fractional Brownian Motion. <i>Fractal and Fractional</i> , 2021, 5, 192.	3.3	7
20	Highly Dispersive Optical Solitons with Complex Ginzburg-Landau Equation Having Six Nonlinear Forms. <i>Mathematics</i> , 2021, 9, 3270.	2.2	20
21	Nonlinear Dynamics of a Cavity Containing a Two-Mode Coherent Field Interacting with Two-Level Atomic Systems. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 7150.	2.5	1
22	Cubic-quartic solitons in couplers with optical metamaterials having power law of refractive index. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2020, 29, 2050009.	1.8	4
23	Knowledge about composite restorations repair vs replacement- a survey among a subpopulation of saudi dental students. <i>Brazilian Dental Science</i> , 2020, 24, .	0.4	1
24	Cubic-quartic optical soliton perturbation and conservation laws with Lakshmanan-Porsezian-Daniel model: Undetermined coefficients. <i>Journal of Nonlinear Optical Physics and Materials</i> , 0, , 2150007.	1.8	8
25	The Demodulation Algorithm of Optical Fiber Fabry-Perot Sensor Using the Nonlinear Dynamic Characteristics of the Optical Fiber Broadband Light Source. <i>Fractals</i> , 0, , .	3.7	0
26	Marangoni-bioconvective flow of Reiner-Philippoff nanofluid with melting phenomenon and nonuniform heat source/sink in the presence of a swimming microorganisms. <i>Mathematical Methods in the Applied Sciences</i> , 0, , .	2.3	22