Ebraheem O Alzahrani

List of Publications by Year
in descending order

62	1,476	377584	406436
papers	citations	21 h-index	35 g-index

63	63	63	1206
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A comprehensive tool for accurate identification of methyl-Glutamine sites. Journal of Molecular Graphics and Modelling, 2022, 110, 108074.	1.3	7
2	LBCEPred: a machine learning model to predict linear B-cell epitopes. Briefings in Bioinformatics, 2022, 23, .	3.2	14
3	Analysis and dynamical behavior of a novel dengue model via fractional calculus. International Journal of Biomathematics, 2022, 15, .	1.5	22
4	Modeling the dynamics of tumorâ€“immune cells interactions via fractional calculus. European Physical Journal Plus, 2022, 137, 1.	1.2	28
5	Chaotic Phenomena and Oscillations in Dynamical Behaviour of Financial System via Fractional Calculus. Complexity, 2022, 2022, 1-14.	0.9	16
6	Optimal Control Strategies of Zika Virus Model with Mutant. Communications in Nonlinear Science and Numerical Simulation, 2021, 93, 105532.	1.7	44
7	MATHEMATICAL AND STABILITY ANALYSIS OF FRACTIONAL ORDER MODEL FOR SPREAD OF PESTS IN TEA PLANTS. Fractals, 2021, 29, 2150008.	1.8	13
8	Withdrawal Notice: Identification of Chaperone Proteins by Integration of PseAAC and Statistical Moments. Letters in Organic Chemistry, 2021, 18, .	0.2	0
9	Numerical approach towards gyrotactic microorganisms hybrid nanoliquid flow with the hall current and magnetic field over a spinning disk. Scientific Reports, 2021, 11, 8948.	1.6	49
10	Mathematical modeling and analysis of the novel Coronavirus using Atanganaâ€“Baleanu derivative. Results in Physics, 2021, 25, 104240.	2.0	12
11	Evolution of fractional mathematical model for drinking under Atangana-Baleanu Caputo derivatives. Physica Scripta, 2021, 96, 115203.	1.2	20
12	Dynamical analysis of fractional-order tobacco smoking model containing snuffing class. AEJ - Alexandria Engineering Journal, 2021, 60, 3669-3678.	3.4	23
13	Control and adaptive modified function projective synchronization of a new hyperchaotic system. AEJ - Alexandria Engineering Journal, 2021, 60, 3985-3990.	3.4	9
14	Modeling the dynamics of the novel coronavirus using Caputo-Fabrizio derivative. AEJ - Alexandria Engineering Journal, 2021, 60, 4651-4662.	3.4	10
15	4mC-RF: Improving the prediction of 4mC sites using composition and position relative features and statistical moment. Analytical Biochemistry, 2021, 633, 114385.	1.1	16
16	Identification of stress response proteins through fusion of machine learning models and statistical paradigms. Scientific Reports, 2021, 11, 21767.	1.6	8
17	A fractional order model for Hepatitis B virus with treatment via Atanganaâ€“Baleanu derivative. Physica A: Statistical Mechanics and Its Applications, 2020, 538, 122636.	1.2	28
18	Influence of Cattaneo-Christov model on Darcy-Forchheimer flow of Micropolar Ferrofluid over a stretching/shrinking sheet. International Communications in Heat and Mass Transfer, 2020, 110, 104385.	2.9	58

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19	Influences of electrical MHD and Hall current on squeezing nanofluid flow inside rotating porous plates with viscous and joule dissipation effects. Journal of Thermal Analysis and Calorimetry, 2020, 140, 1215-1227.	2.0	54
20	The dynamics of COVID-19 with quarantined and isolation. Advances in Difference Equations, 2020, 2020, 425.	3.5	130
21	Dynamics of COVID-19 mathematical model with stochastic perturbation. Advances in Difference Equations, 2020, 2020, 451.	3.5	46
22	Mathematical Model for Coronavirus Disease 2019 (COVID-19) Containing Isolation Class. BioMed Research International, 2020, 2020, 1-7.	0.9	131
23	Comments on â€œInfluence of Time Delay on Bifurcation in Fractional Order BAM Neural Networks With Four Delaysâ€• IEEE Access, 2020, 8, 145738-145739.	2.6	0
24	Entropy generation and thermal analysis for rotary motion of hydromagnetic Casson nanofluid past a rotating cylinder with Joule heating effect. International Communications in Heat and Mass Transfer, 2020, 119, 104979.	2.9	68
25	Microstructure and Inertial Characteristics of MHD Suspended SWCNTs and MWCNTs Based Maxwell Nanofluid Flow with Bio-Convection and Entropy Generation Past a Permeable Vertical Cone. Coatings, 2020, 10, 998.	1.2	33
26	Global dynamics of a cell quota-based model of light-dependent algae growth in a chemostat. Communications in Nonlinear Science and Numerical Simulation, 2020, 90, 105295.	1.7	5
27	On Mixed Convection Squeezing Flow of Nanofluids. Energies, 2020, 13, 3138.	1.6	9
28	Darcyâ€“Boussinesq Model of Cilia-Assisted Transport of a Non-Newtonian Magneto-Biofluid with Chemical Reactions. Applied Sciences (Switzerland), 2020, 10, 1137.	1.3	16
29	Comparison of numerical techniques for the solution of a fractional epidemic model. European Physical Journal Plus, 2020, 135, 1.	1.2	14
30	Entropy Generation in MHD Second-Grade Nanofluid Thin Film Flow Containing CNTs with Cattaneo-Christov Heat Flux Model Past an Unsteady Stretching Sheet. Applied Sciences (Switzerland), 2020, 10, 2720.	1.3	32
31	Sequence-based Identification of Allergen Proteins Developed by Integration of PseAAC and Statistical Moments via 5-Step Rule. Current Bioinformatics, 2020, 15, 1046-1055.	0.7	41
32	Crowding effects on the dynamics of COVID-19 mathematical model. Advances in Difference Equations, 2020, 2020, 675.	3.5	16
33	A biological mathematical model of vector-host disease with saturated treatment function and optimal control strategies. Mathematical Biosciences and Engineering, 2020, 17, 3972-3997.	1.0	14
34	The co-dynamics of Hepatitis E and HIV. Filomat, 2020, 34, 4723-4745.	0.2	1
35	Heat Transfer Analysis of a Magneto-Bio-Fluid Transport with Variable Thermal Viscosity through a Vertical Ciliated Channel. Symmetry, 2019, 11, 1240.	1.1	25
36	Darcyâ€“Forchheimer Radiative Flow of Micropoler CNT Nanofluid in Rotating Frame with Convective Heat Generation/Consumption. Processes, 2019, 7, 666.	1.3	21

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37	Nanofluids Thin Film Flow of Reiner-Philippoff Fluid over an Unstable Stretching Surface with Brownian Motion and Thermophoresis Effects. Coatings, 2019, 9, 21.	1.2	60
38	Hall Effect on Couple Stress 3D Nanofluid Flow Over an Exponentially Stretched Surface With Cattaneo Christov Heat Flux Model. IEEE Access, 2019, 7, 64844-64855.	2.6	46
39	Entropy Generation of Carbon Nanotubes Flow in a Rotating Channel with Hall and Ion-Slip Effect Using Effective Thermal Conductivity Model. Entropy, 2019, 21, 52.	1.1	33
40	Study of the Couple Stress Convective Micropolar Fluid Flow in a Hall MHD Generator System. Frontiers in Physics, 2019, 7, .	1.0	22
41	Hydromagnetic mixed convective third grade nanomaterial containing gyrotactic microorganisms toward a horizontal stretched surface. AEJ - Alexandria Engineering Journal, 2019, 58, 1421-1429.	3.4	21
42	Dynamical analysis of cigarette smoking model with a saturated incidence rate. AIP Advances, 2018, 8, .	0.6	16
43	Modeling the dynamics of Hepatitis E with optimal control. Chaos, Solitons and Fractals, 2018, 116, 287-301.	2.5	30
44	Tumor growth dynamics with nutrient limitation and cell proliferation time delay. Discrete and Continuous Dynamical Systems - Series B, 2017, 22, 3771-3782.	0.5	0
45	A Mathematical Exposition of the Global Stability of a Viral Epidemiological Model for Malicious Code Propagation in Computer Networks. Journal of Computational and Theoretical Nanoscience, 2017, 14, 1097-1100.	0.4	0
46	A convergence result for the ergodic problem for Hamiltonâ€“Jacobi equations with Neumann-type boundary conditions. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 2016, 146, 225-242.	0.8	31
47	A higher order frozen Jacobian iterative method for solving Hamilton-Jacobi equations. Journal of Nonlinear Science and Applications, 2016, 09, 6210-6227.	0.4	3
48	Global existence and uniqueness of classical solutions for a generalized quasilinear parabolic equation with application to a glioblastoma growth model. Mathematical Biosciences and Engineering, 2016, 13, 3-3.	1.0	1
49	Generalized magneto-thermoviscoelasticity in a perfectly conducting thermodiffusive medium with a spherical cavity. Journal of Earth System Science, 2015, 124, 1709-1719.	0.6	5
50	New Operational Matrices for Solving Fractional Differential Equations on the Half-Line. PLoS ONE, 2015, 10, e0126620.	1.1	11
51	Nutrient limitations as an explanation of Gompertzian tumor growth. Discrete and Continuous Dynamical Systems - Series B, 2015, 21, 357-372.	0.5	5
52	Effect of rotation, magnetic field and a periodic loading on radial vibrations thermo-viscoelastic non-homogeneous media. Boundary Value Problems, 2014, 2014, .	0.3	2
53	Asymptotic analysis for the eikonal equation with the dynamical boundary conditions. Mathematische Nachrichten, 2014, 287, 1563-1588.	0.4	8
54	Nonlinear interaction of electron beam with magnetized warm plasma. Physics of Wave Phenomena, 2014, 22, 56-60.	0.3	1

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55	Quiescence as an explanation of Gompertzian tumor growth revisited. Mathematical Biosciences, 2014, 254, 76-82.	0.9	18
56	Global properties of a cell mediated immunity in HIV infection model with two classes of target cells and distributed delays. International Journal of Biomathematics, 2014, 07, 1450055.	1.5	26
57	Small scale effect on hygro-thermo-mechanical bending of nanoplates embedded in an elastic medium. Composite Structures, 2013, 105, 163-172.	3.1	69
58	The Existence and Attractivity of Solutions of an Urysohn Integral Equation on an Unbounded Interval. Abstract and Applied Analysis, 2013, 2013, 1-9.	0.3	6
59	Global Stability of HIV Infection of CD4⁺T Cells and Macrophages with CTL Immune Response and Distributed Delays. Computational and Mathematical Methods in Medicine, 2013, 2013, 1-11.	0.7	0
60	Reversing invasion in bistable systems. Journal of Mathematical Biology, 2012, 65, 1101-1124.	0.8	12
61	A 3-species competition model for bio-control. Applied Mathematics and Computation, 2012, 218, 9690-9698.	1.4	3
62	Travelling Waves in Near-Degenerate Bistable Competition Models. Mathematical Modelling of Natural Phenomena, 2010, 5, 13-35.	0.9	13