

Meshal Shutaywi

List of Publications by Year in descending order

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46
papers

1,033
citations

489802

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docs citations

48
times ranked

735
citing authors

#	ARTICLE	IF	CITATIONS
1	ON NONLINEAR FRACTIONAL-ORDER MATHEMATICAL MODEL OF FOOD-CHAIN. <i>Fractals</i> , 2022, 30, .	1.8	2
2	Modeling and Analysis of Breast Cancer with Adverse Reactions of Chemotherapy Treatment through Fractional Derivative. <i>Computational and Mathematical Methods in Medicine</i> , 2022, 2022, 1-19.	0.7	17
3	Mathematical Modelling of Ree-Eyring Nanofluid Using Koo-Kleinstreuer and Cattaneo-Christov Models on Chemically Reactive AA7072-AA7075 Alloys over a Magnetic Dipole Stretching Surface. <i>Coatings</i> , 2022, 12, 391.	1.2	17
4	Predictive modeling of compressive strength of sustainable rice husk ash concrete: Ensemble learner optimization and comparison. <i>Journal of Cleaner Production</i> , 2022, 348, 131285.	4.6	51
5	The Sharp Bounds of the Third-Order Hankel Determinant for Certain Analytic Functions Associated with an Eight-Shaped Domain. <i>Fractal and Fractional</i> , 2022, 6, 223.	1.6	14
6	The inertial iterative extragradient methods for solving pseudomonotone equilibrium programming in Hilbert spaces. <i>Journal of Inequalities and Applications</i> , 2022, 2022, .	0.5	2
7	Effect of Thermal Radiation on Three-Dimensional Magnetized Rotating Flow of a Hybrid Nanofluid. <i>Nanomaterials</i> , 2022, 12, 1566.	1.9	23
8	Real-world model for bitcoin price prediction. <i>Information Processing and Management</i> , 2022, 59, 102968.	5.4	24
9	On Strengthened Extragradient Methods Non-Convex Combination with Adaptive Step Sizes Rule for Equilibrium Problems. <i>Symmetry</i> , 2022, 14, 1045.	1.1	0
10	Entropy generation in electrical magnetohydrodynamic flow of Al_2O_3-Cu/H_2O hybrid nanofluid with non-uniform heat flux. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 143, 2135-2148.	2.0	63
11	Knowledge measure for the q -rung orthopair fuzzy sets. <i>International Journal of Intelligent Systems</i> , 2021, 36, 628-655.	3.3	59
12	MATHEMATICAL AND STABILITY ANALYSIS OF FRACTIONAL ORDER MODEL FOR SPREAD OF PESTS IN TEA PLANTS. <i>Fractals</i> , 2021, 29, 2150008.	1.8	13
13	On fractional order model of tumor dynamics with drug interventions under nonlocal fractional derivative. <i>Results in Physics</i> , 2021, 21, 103783.	2.0	27
14	Fractional Dynamics of HIV with Source Term for the Supply of New CD4+ T-Cells Depending on the Viral Load via Caputo-Fabrizio Derivative. <i>Molecules</i> , 2021, 26, 1806.	1.7	34
15	Second-order slip effect on bio-convectational viscoelastic nanofluid flow through a stretching cylinder with swimming microorganisms and melting phenomenon. <i>Scientific Reports</i> , 2021, 11, 11208.	1.6	20
16	Fractional-calculus analysis of the transmission dynamics of the dengue infection. <i>Chaos</i> , 2021, 31, 053130.	1.0	36
17	Nonlinear fractional mathematical model of tuberculosis (TB) disease with incomplete treatment under Atangana-Baleanu derivative. <i>AEJ - Alexandria Engineering Journal</i> , 2021, 60, 2845-2856.	3.4	48
18	Silhouette Analysis for Performance Evaluation in Machine Learning with Applications to Clustering. <i>Entropy</i> , 2021, 23, 759.	1.1	72

#	ARTICLE	IF	CITATIONS
19	A Class of Novel Mann-Type Subgradient Extragradient Algorithms for Solving Quasimonotone Variational Inequalities. <i>Symmetry</i> , 2021, 13, 1108.	1.1	0
20	MHD stagnation point flow of nanofluid over a curved stretching/shrinking surface subject to the influence of Joule heating and convective condition. <i>Case Studies in Thermal Engineering</i> , 2021, 26, 101184.	2.8	80
21	Mathematical Modeling and numerical simulation for nanofluid flow with entropy optimization. <i>Case Studies in Thermal Engineering</i> , 2021, 26, 101198.	2.8	21
22	Radius Problems for Starlike Functions Associated with the Tan Hyperbolic Function. <i>Journal of Function Spaces</i> , 2021, 2021, 1-15.	0.4	10
23	Magneto-Burgers Nanofluid Stratified Flow with Swimming Motile Microorganisms and Dual Variables Conductivity Configured by a Stretching Cylinder/Plate. <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-16.	0.6	25
24	Improved Knowledge Measures for q-Rung Orthopair Fuzzy Sets. <i>International Journal of Computational Intelligence Systems</i> , 2021, 14, 1700.	1.6	12
25	Investigation of COVID-19 mathematical model under fractional order derivative. <i>Mathematical Modelling of Natural Phenomena</i> , 2021, 16, 50.	0.9	2
26	A new weak convergence non-monotonic self-adaptive iterative scheme for solving equilibrium problems. <i>AIMS Mathematics</i> , 2021, 6, 5612-5638.	0.7	3
27	Onset of gyrotactic microorganisms in MHD Micropolar nanofluid flow with partial slip and double stratification. <i>Journal of King Saud University - Science</i> , 2020, 32, 2741-2751.	1.6	54
28	Optimization Based Methods for Solving the Equilibrium Problems with Applications in Variational Inequality Problems and Solution of Nash Equilibrium Models. <i>Mathematics</i> , 2020, 8, 822.	1.1	17
29	Application of New Iterative Method to Time Fractional Whitham-Broer-Kaup Equations. <i>Frontiers in Physics</i> , 2020, 8, .	1.0	5
30	Inertial Optimization Based Two-Step Methods for Solving Equilibrium Problems with Applications in Variational Inequality Problems and Growth Control Equilibrium Models. <i>Energies</i> , 2020, 13, 3292.	1.6	22
31	Entropy optimization and heat transfer modeling for Lorentz forces effect on solidification of NEPCM. <i>International Communications in Heat and Mass Transfer</i> , 2020, 117, 104715.	2.9	26
32	A comprehensive study to the assessment of Arrhenius activation energy and binary chemical reaction in swirling flow. <i>Scientific Reports</i> , 2020, 10, 7868.	1.6	23
33	Axisymmetric mixed convective propulsion of a non-Newtonian fluid through a ciliated tubule. <i>AIP Advances</i> , 2020, 10, .	0.6	7
34	Darcy-Boussinesq Model of Cilia-Assisted Transport of a Non-Newtonian Magneto-Biofluid with Chemical Reactions. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 1137.	1.3	16
35	Brownian Motion and Thermophoresis Effects on MHD Three Dimensional Nanofluid Flow with Slip Conditions and Joule Dissipation Due to Porous Rotating Disk. <i>Molecules</i> , 2020, 25, 729.	1.7	39
36	Discriminant Analysis of Lung Cancer Using Nonlinear Clustering of Copy Numbers. <i>Cancer Investigation</i> , 2020, 38, 102-112.	0.6	6

#	ARTICLE	IF	CITATIONS
37	Impact of Cattaneo-Christov heat flux on non-isothermal convective micropolar fluid flow in a hall MHD generator system. <i>Journal of Materials Research and Technology</i> , 2020, 9, 5452-5462.	2.6	14
38	The Inertial Sub-Gradient Extra-Gradient Method for a Class of Pseudo-Monotone Equilibrium Problems. <i>Symmetry</i> , 2020, 12, 463.	1.1	35
39	Weighted Mutual Information for Aggregated Kernel Clustering. <i>Entropy</i> , 2020, 22, 351.	1.1	5
40	Thin Film Flow of Couple Stress Magneto-Hydrodynamics Nanofluid with Convective Heat over an Inclined Exponentially Rotating Stretched Surface. <i>Coatings</i> , 2020, 10, 338.	1.2	12
41	Nano zinc elicited biochemical characterization, nutritional assessment, antioxidant enzymes and fatty acid profiling of rapeseed. <i>PLoS ONE</i> , 2020, 15, e0241568.	1.1	15
42	CFD Simulation of Water-Based Hybrid Nanofluid Inside a Porous Enclosure Employing Lorentz Forces. <i>IEEE Access</i> , 2019, 7, 177177-177186.	2.6	28
43	An Inertial Extragradient Method for Iteratively Solving Equilibrium Problems in Real Hilbert Spaces. <i>International Journal of Computer Mathematics</i> , 0, , 1-27.	1.0	1
44	ON FUZZY PARTIAL FRACTIONAL ORDER EQUATIONS UNDER FUZZIFIED CONDITIONS. <i>Fractals</i> , 0, , 2240025.	1.8	3
45	A robust study to conceptualize the interactions of CD4+T-cells and human immunodeficiency virus via fractional-calculus. <i>Physica Scripta</i> , 0, , .	1.2	9
46	Application of Arrhenius chemical process on unsteady mixed bio-convective flows of third-grade fluids having temperature-dependent in thermo-rheological properties. <i>Waves in Random and Complex Media</i> , 0, , 1-20.	1.6	3