Muhammad Ayaz

List of Publications by Year
in descending order

27 papers	338 citations	840776 11 h-index	888059 17 g-index
27 all docs	27 docs citations	27 times ranked	297 citing authors

#	Article	IF	Citations
1	Application of Optimal Homotopy Asymptotic Method with Daftardar-Jafari Polynomials to Couple System of Boussinesq Equations. International Journal of Applied and Computational Mathematics, 2022, 8, 1.	1.6	1
2	Analytical and Numerical Analysis of the Squeezed Unsteady MHD Nanofluid Flow in the Presence of Thermal Radiation. Journal of Nanomaterials, 2022, 2022, 1-14.	2.7	2
3	Homotopy analysis methods with applications to thin-film flow of a magnetohydrodynamic-modified second grade fluid. Modern Physics Letters B, 2022, 36, .	1.9	1
4	Analysis of couple stress fluid flow with variable viscosity using two homotopy-based methods. Open Physics, 2021, 19, 134-145.	1.7	4
5	An analytical investigation of the mixed convective Casson fluid flow past a yawed cylinder with heat transfer analysis. Open Physics, 2021, 19, 341-351.	1.7	14
6	Comparative study of generalized couette flow of couple stress fluid using optimal homotopy asymptotic method and new iterative method. Scientific Reports, 2021, 11, 3478.	3.3	7
7	Modeling and analysis of high shear viscoelastic Ellis thin liquid film phenomena. Physica Scripta, 2021, 96, 055201.	2.5	12
8	A Decision Support Model for Hotel Recommendation Based on the Online Consumer Reviews Using Logarithmic Spherical Hesitant Fuzzy Information. Entropy, 2021, 23, 432.	2.2	7
9	On the Analysis of the Non-Newtonian Fluid Flow Past a Stretching/Shrinking Permeable Surface with Heat and Mass Transfer. Coatings, 2021, 11, 566.	2.6	26
10	A Magnetite–Water-Based Nanofluid Three-Dimensional Thin Film Flow on an Inclined Rotating Surface with Non-Linear Thermal Radiations and Couple Stress Effects. Energies, 2021, 14, 5531.	3.1	18
11	Application of New Iterative Method to Fractional Order Integro-Differential Equations. International Journal of Applied and Computational Mathematics, 2021, 7, 1.	1.6	1
12	Levenberg–Marquardt Backpropagation for Numerical Treatment of Micropolar Flow in a Porous Channel with Mass Injection. Complexity, 2021, 2021, 1-12.	1.6	11
13	Formation of Intermetallic Phases in Ion Implantation. Journal of Mathematics, 2020, 2020, 1-5.	1.0	10
14	Non-Linear Thermal Radiations and Mass Transfer Analysis on the Processes of Magnetite Carreau Fluid Flowing Past a Permeable Stretching/Shrinking Surface under Cross Diffusion and Hall Effect. Coatings, 2020, 10, 523.	2.6	11
15	Thermal Radiations and Mass Transfer Analysis of the Three-Dimensional Magnetite Carreau Fluid Flow Past a Horizontal Surface of Paraboloid of Revolution. Processes, 2020, 8, 656.	2.8	14
16	Extension of optimal homotopy asymptotic method with use of Daftardar–Jeffery polynomials to Hirota–Satsuma coupled system of Korteweg–de Vries equations. Open Physics, 2020, 18, 916-924.	1.7	10
17	Numerical solution of two-term time-fractional PDE models arising in mathematical physics using local meshless method. Open Physics, 2020, 18, 1063-1072.	1.7	16
18	Hall effect on Titania nanofluids thin film flow and radiative thermal behavior with different base fluids on an inclined rotating surface. AIP Advances, 2019, 9, .	1.3	28

#	Article	IF	Citations
19	Nanofluids Thin Film Flow of Reiner-Philippoff Fluid over an Unstable Stretching Surface with Brownian Motion and Thermophoresis Effects. Coatings, 2019, 9, 21.	2.6	60
20	Three dimensional Darcy-Forchheimer radiated flow of single and multiwall carbon nanotubes over a rotating stretchable disk with convective heat generation and absorption. AIP Advances, 2019, 9, 035031.	1.3	22
21	Viscoelastic MHD Nanofluid Thin Film Flow over an Unsteady Vertical Stretching Sheet with Entropy Generation. Processes, 2019, 7, 262.	2.8	28
22	Numerical Simulation of Partial Differential Equations via Local Meshless Method. Symmetry, 2019, 11, 257.	2.2	12
23	Numerical simulation of unsteady 3D magneto-Sisko fluid flow with nonlinear thermal radiation and homogeneousâ€"heterogeneous chemical reactions. Pramana - Journal of Physics, 2018, 91, 1.	1.8	16
24	On a subclass of multivalent close to convex functions. Publications De L'Institut Mathematique, 2017, 101, 161-168.	0.2	1
25	Coefficient Inequalities for a Subclass of p-Valent Analytic Functions. Scientific World Journal, The, 2014, 2014, 1-5.	2.1	1
26	Sufficient condition for functions to be in a class of meromorphic multivalent Sakaguchi type spiral-like functions. Acta Mathematica Scientia, 2014, 34, 575-578.	1.0	4
27	New Criteria for Functions to Be in a Class of -Valent Alpha Convex Functions. Scientific World Journal, The, 2013, 2013, 1-4.	2.1	1