

Saif Ullah

List of Publications by Year in descending order

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47
papers

653
citations

759233

12
h-index

642732

23
g-index

47
all docs

47
docs citations

47
times ranked

619
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of MHD and Porosity on Jeffrey Fluid Flow with Wall Transpiration. <i>Mathematical Problems in Engineering</i> , 2022, 2022, 1-9.	1.1	3
2	Energy recovery mechanism of air injection in higher methane cut reservoir. <i>International Journal of Modern Physics B</i> , 2022, 36, .	2.0	8
3	A higher-order unconditionally stable scheme for the solution of fractional diffusion equation. <i>Mathematical Methods in the Applied Sciences</i> , 2021, 44, 3004-3022.	2.3	3
4	Numerical investigation with stability analysis of time-fractional Korteweg-de Vries equations. <i>Mathematical Methods in the Applied Sciences</i> , 2021, 44, 3111-3126.	2.3	3
5	New idea of Atangana-Baleanu time-fractional derivative to advection-diffusion equation. <i>Mathematical Methods in the Applied Sciences</i> , 2021, 44, 2521-2531.	2.3	3
6	Analysis of Caputo-Fabrizio fractional order semi-linear parabolic equations via effective amalgamated technique. <i>Physica Scripta</i> , 2021, 96, 035214.	2.5	3
7	Tunable and sizeable band gaps in strained SiC ₃ /hBN vdW heterostructures: A potential replacement for graphene in future nanoelectronics. <i>Computational Materials Science</i> , 2021, 188, 110233.	3.0	8
8	Thermal analysis of free convection flows of viscous carbon nanotubes nanofluids with generalized thermal transport: a Prabhakar fractional model. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 144, 2327.	3.6	19
9	Behavioral response of population on transmissibility and saturation incidence of deadly pandemic through fractional order dynamical system. <i>Results in Physics</i> , 2021, 26, 104438.	4.1	6
10	Multiple Solutions for Stagnation-Point Flow of Unsteady Carreau Fluid along a Permeable Stretching/Shrinking Sheet with Non-Uniform Heat Generation. <i>Coatings</i> , 2021, 11, 1012.	2.6	14
11	Transient Flow of Jeffrey Fluid over a Permeable Wall. <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-9.	1.1	4
12	Thermal transport of natural convection flow of second grade bio-nanofluid in a vertical channel. <i>Case Studies in Thermal Engineering</i> , 2021, 28, 101377.	5.7	7
13	Study of free convective unsteady magnetohydrodynamic flow of Oldroyd-B fluid in the presence of chemical reaction. <i>Advances in Mechanical Engineering</i> , 2020, 12, 168781402093751.	1.6	4
14	Electronic properties of substitutional impurities in graphene like C_2N . <i>Journal of Applied Physics</i> , 2020, 123, 155302.	3.2	11
15	Multigrid method with eighth-order compact finite difference scheme for Helmholtz equation. <i>Physica Scripta</i> , 2020, 95, 055221.	2.5	2
16	MHD nonaligned stagnation point flow of second grade fluid towards a porous rotating disk. <i>Nonlinear Engineering</i> , 2019, 8, 231-249.	2.7	4
17	Swirling flow of couple stress fluid due to a rotating disk. <i>Nonlinear Engineering</i> , 2019, 8, 261-269.	2.7	9
18	Exotic impurity-induced states in single-layer h-BN: The role of sublattice structure and intervalley interactions. <i>Physical Review B</i> , 2019, 100, .	3.2	6

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19	Natural convection flow of second grade fluid with thermal radiation and damped thermal flux between vertical channels. <i>AEJ - Alexandria Engineering Journal</i> , 2019, 58, 1119-1125.	6.4	22
20	Non-trivial band gaps and charge transfer in Janus-like functionalized bilayer boron arsenide. <i>Computational Materials Science</i> , 2019, 170, 109186.	3.0	4
21	Sliding mode control design for stabilization of underactuated mechanical systems. <i>Advances in Mechanical Engineering</i> , 2019, 11, 168781401984271.	1.6	6
22	Analysis of thin film flow of generalized Maxwell fluid confronting withdrawal and drainage on non-isothermal cylindrical surfaces. <i>Advances in Mechanical Engineering</i> , 2019, 11, 168781401988100.	1.6	8
23	Adsorption and diffusion of alkali atoms (Li, Na, and K) on BeN dual doped graphene. <i>International Journal of Quantum Chemistry</i> , 2019, 119, e25900.	2.0	16
24	Study of velocity and temperature distributions in boundary layer flow of fourth grade fluid over an exponential stretching sheet. <i>AIP Advances</i> , 2018, 8, 025011.	1.3	15
25	Exploring the effect of substitutional doping on the electronic properties of graphene oxide. <i>Journal of Materials Science</i> , 2018, 53, 7516-7526.	3.7	9
26	Characteristics of buoyancy force on stagnation point flow with magneto-nanoparticles and zero mass flux condition. <i>Results in Physics</i> , 2018, 8, 160-168.	4.1	14
27	Surface tension effects on fully developed liquid layer flow over a convex corner. <i>AIP Advances</i> , 2018, 8, 045206.	1.3	0
28	First-principles study of dual-doped graphene: towards promising anode materials for Li/Na-ion batteries. <i>New Journal of Chemistry</i> , 2018, 42, 10842-10851.	2.8	44
29	Entropy Generation on MHD Flow of Powell-Eyring Fluid Between Radially Stretching Rotating Disk with Diffusion-Thermo and Thermo-Diffusion Effects. <i>Acta Mechanica Et Automatica</i> , 2017, 11, 20-32.	0.6	9
30	Triple-Doped Monolayer Graphene with Boron, Nitrogen, Aluminum, Silicon, Phosphorus, and Sulfur. <i>ChemPhysChem</i> , 2017, 18, 1864-1873.	2.1	49
31	Toxicity of insecticides, cross-resistance and stability of chlorfenapyr resistance in different strains of <i>Oxycareus hyalinipennis</i> Costa (Hemiptera: Lygaeidae). <i>Crop Protection</i> , 2017, 99, 132-136.	2.1	16
32	Beryllium doped graphene as an efficient anode material for lithium-ion batteries with significantly huge capacity: A DFT study. <i>Applied Materials Today</i> , 2017, 9, 333-340.	4.3	84
33	Study of Synergism, Antagonism, and Resistance Mechanisms in Insecticide-Resistant <i>Oxycareus hyalinipennis</i> (Hemiptera: Lygaeidae). <i>Journal of Economic Entomology</i> , 2017, 110, 615-623.	1.8	11
34	Some exact solutions for the rotational flow of Oldroyd-B fluid between two circular cylinders. <i>Advances in Mechanical Engineering</i> , 2017, 9, 168781401772470.	1.6	7
35	MHD Flow of Generalized Oldroyd-B Fluid Over an Infinite Oscillating Plate with Slip Condition Using Fox H-Function. <i>Journal of Computational and Theoretical Nanoscience</i> , 2017, 14, 1362-1370.	0.4	3
36	Fine tuning the band-gap of graphene by atomic and molecular doping: a density functional theory study. <i>RSC Advances</i> , 2016, 6, 55990-56003.	3.6	40

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37	Genetics, realized heritability and possible mechanism of chlorfenapyr resistance in <i>Oxycarenus hyalinipennis</i> (Lygaeidae: Hemiptera). <i>Pesticide Biochemistry and Physiology</i> , 2016, 133, 91-96.	3.6	44
38	Resistance of Dusky Cotton Bug, <i>Oxycarenus hyalinipennis</i> Costa (Lygaeidae: Hemiptera), to Conventional and Novel Chemistry Insecticides. <i>Journal of Economic Entomology</i> , 2016, 109, 345-351.	1.8	42
39	A Mathematical Study of an Epidemic Disease Model Spread by Rumors. <i>Journal of Computational and Theoretical Nanoscience</i> , 2016, 13, 2856-2866.	0.4	4
40	MHD flow of Burger's fluid over an off-centered rotating disk in a porous medium. <i>AIP Advances</i> , 2015, 5, 087179.	1.3	3
41	Withdrawal and drainage of thin film flow of a generalized Oldroyd-B fluid on non-isothermal cylindrical surfaces. <i>AIP Advances</i> , 2015, 5, .	1.3	8
42	Some Exact Solutions to Equations of Motion of an Incompressible Second Grade Fluid. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2015, 137, .	1.5	0
43	Band-gap tuning of graphene by Be doping and Be, B co-doping: a DFT study. <i>RSC Advances</i> , 2015, 5, 55762-55773.	3.6	75
44	Some Exact Analytical Solutions for Two-Dimensional Flow of an Incompressible Second Grade Fluid. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2015, 137, .	1.5	1
45	Some Exact Solutions to Equations of Motion of an Incompressible Third Grade Fluid. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2008, 130, .	1.5	1
46	Delineating impact of viscous dissipation and non-uniform heat source/sink on viscous fluid flow towards a stretching surface. <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> , 0, , 095440892110504.	2.5	1
47	Study of velocity and shear stress for unsteady flow of incompressible Oldroyd-B fluid between two concentric rotating circular cylinders. , 0, , 1-12.	1.0	0