Saif Ullah

List of Publications by Year
in descending order

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	Beryllium doped graphene as an efficient anode material for lithium-ion batteries with significantly huge capacity: A DFT study. Applied Materials Today, 2017, 9, 333-340.	4.3	84
2	Band-gap tuning of graphene by Be doping and Be, B co-doping: a DFT study. RSC Advances, 2015, 5, 55762-55773.	3.6	75
3	Tripleâ€Doped Monolayer Graphene with Boron, Nitrogen, Aluminum, Silicon, Phosphorus, and Sulfur. ChemPhysChem, 2017, 18, 1864-1873.	2.1	49
4	Genetics, realized heritability and possible mechanism of chlorfenapyr resistance in Oxycarenus hyalinipennis (Lygaeidae: Hemiptera). Pesticide Biochemistry and Physiology, 2016, 133, 91-96.	3.6	44
5	First-principles study of dual-doped graphene: towards promising anode materials for Li/Na-ion batteries. New Journal of Chemistry, 2018, 42, 10842-10851.	2.8	44
6	Resistance of Dusky Cotton Bug,Oxycarenus hyalinipennisCosta (Lygaidae: Hemiptera), to Conventional and Novel Chemistry Insecticides. Journal of Economic Entomology, 2016, 109, 345-351.	1.8	42
7	Fine tuning the band-gap of graphene by atomic and molecular doping: a density functional theory study. RSC Advances, 2016, 6, 55990-56003.	3.6	40
8	Natural convection flow of second grade fluid with thermal radiation and damped thermal flux between vertical channels. AEJ - Alexandria Engineering Journal, 2019, 58, 1119-1125.	6.4	22
9	Thermal analysis of free convection flows of viscous carbon nanotubes nanofluids with generalized thermal transport: a Prabhakar fractional model. Journal of Thermal Analysis and Calorimetry, 2021, 144, 2327.	3.6	19
10	Toxicity of insecticides, cross-resistance and stability of chlorfenapyr resistance in different strains of Oxycarenus hyalinipennis Costa (Hemiptera: Lygaeidae). Crop Protection, 2017, 99, 132-136.	2.1	16
11	Adsorption and diffusion of alkaliâ€atoms (Li, Na, and K) on BeN dual doped graphene. International Journal of Quantum Chemistry, 2019, 119, e25900.	2.0	16
12	Study of velocity and temperature distributions in boundary layer flow of fourth grade fluid over an exponential stretching sheet. AIP Advances, 2018, 8, 025011.	1.3	15
13	Characteristics of buoyancy force on stagnation point flow with magneto-nanoparticles and zero mass flux condition. Results in Physics, 2018, 8, 160-168.	4.1	14
14	Multiple Solutions for Stagnation-Point Flow of Unsteady Carreau Fluid along a Permeable Stretching/Shrinking Sheet with Non-Uniform Heat Generation. Coatings, 2021, 11, 1012.	2.6	14
15	Study of Synergism, Antagonism, and Resistance Mechanisms in Insecticide-Resistant Oxycarenus hyalinipennis (Hemiptera: Lygaeidae). Journal of Economic Entomology, 2017, 110, 615-623.	1.8	11
16	Electronic properties of substitutional impurities in graphenelike <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi mathvariant="normal">C</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi mathvariant="normal">N</mml:mi></mml:mrow></mml:math> , <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>t</mml:mi><mml:mi>g</mml:mi><mml:mtext>â^'</mml:m mathvariant="normal">C</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:msub><mml:mi mathvariant	3.2	11
17	Entropy Generation on MHD Flow of Powell-Eyring Fluid Between Radially Stretching Rotating Disk with Diffusion-Thermo and Thermo-Diffusion Effects. Acta Mechanica Et Automatica, 2017, 11, 20-32.	0.6	9
18	Exploring the effect of substitutional doping on the electronic properties of graphene oxide. Journal of Materials Science, 2018, 53, 7516-7526.	3.7	9

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19	Swirling flow of couple stress fluid due to a rotating disk. Nonlinear Engineering, 2019, 8, 261-269.	2.7	9
20	Withdrawal and drainage of thin film flow of a generalized Oldroyd-B fluid on non-isothermal cylindrical surfaces. AIP Advances, 2015, 5, .	1.3	8
21	Analysis of thin film flow of generalized Maxwell fluid confronting withdrawal and drainage on non-isothermal cylindrical surfaces. Advances in Mechanical Engineering, 2019, 11, 168781401988100.	1.6	8
22	Tunable and sizeable band gaps in strained SiC3/hBN vdW heterostructures: A potential replacement for graphene in future nanoelectronics. Computational Materials Science, 2021, 188, 110233.	3.0	8
23	Energy recovery mechanism of air injection in higher methane cut reservoir. International Journal of Modern Physics B, 2022, 36, .	2.0	8
24	Some exact solutions for the rotational flow of Oldroyd-B fluid between two circular cylinders. Advances in Mechanical Engineering, 2017, 9, 168781401772470.	1.6	7
25	Thermal transport of natural convection flow of second grade bio-nanofluid in a vertical channel. Case Studies in Thermal Engineering, 2021, 28, 101377.	5.7	7
26	Exotic impurity-induced states in single-layer h -BN: The role of sublattice structure and intervalley interactions. Physical Review B, 2019, 100, .	3.2	6
27	Sliding mode control design for stabilization of underactuated mechanical systems. Advances in Mechanical Engineering, 2019, 11, 168781401984271.	1.6	6
28	Behavioral response of population on transmissibility and saturation incidence of deadly pandemic through fractional order dynamical system. Results in Physics, 2021, 26, 104438.	4.1	6
29	MHD nonaligned stagnation point flow of second grade fluid towards a porous rotating disk. Nonlinear Engineering, 2019, 8, 231-249.	2.7	4
30	Non-trivial band gaps and charge transfer in Janus-like functionalized bilayer boron arsenide. Computational Materials Science, 2019, 170, 109186.	3.0	4
31	Study of free convective unsteady magnetohydrodynamic flow of Oldroyd-B fluid in the presence of chemical reaction. Advances in Mechanical Engineering, 2020, 12, 168781402093751.	1.6	4
32	Transient Flow of Jeffrey Fluid over a Permeable Wall. Mathematical Problems in Engineering, 2021, 2021, 1-9.	1.1	4
33	A Mathematical Study of an Epidemic Disease Model Spread by Rumors. Journal of Computational and Theoretical Nanoscience, 2016, 13, 2856-2866.	0.4	4
34	MHD flow of Burgerâ€™s fluid over an off-centered rotating disk in a porous medium. AIP Advances, 2015, 5, 087179.	1.3	3
35	A higherâ€order unconditionally stable scheme for the solution of fractional diffusion equation. Mathematical Methods in the Applied Sciences, 2021, 44, 3004-3022.	2.3	3
36	Numerical investigation with stability analysis ofÂtimeâ€fractional Kortewegâ€de Vries equations. Mathematical Methods in the Applied Sciences, 2021, 44, 3111-3126.	2.3	3

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37	New idea of Atanganaâ€Baleanu timeâ€fractional derivative to advectionâ€diffusion equation. Mathematical Methods in the Applied Sciences, 2021, 44, 2521-2531.	2.3	3
38	Analysis of Caputo-Fabrizio fractional order semi-linear parabolic equations via effective amalgamated technique. Physica Scripta, 2021, 96, 035214.	2.5	3
39	MHD Flow of Generalized Oldroyd-B Fluid Over an Infinite Oscillating Plate with Slip Condition Using Fox H-Function. Journal of Computational and Theoretical Nanoscience, 2017, 14, 1362-1370.	0.4	3
40	Effects of MHD and Porosity on Jeffrey Fluid Flow with Wall Transpiration. Mathematical Problems in Engineering, 2022, 2022, 1-9.	1.1	3
41	Multigrid method with eighth-order compact finite difference scheme for Helmholtz equation. Physica Scripta, 2020, 95, 055221.	2.5	2
42	Some Exact Solutions to Equations of Motion of an Incompressible Third Grade Fluid. Journal of Fluids Engineering, Transactions of the ASME, 2008, 130, .	1.5	1
43	Some Exact Analytical Solutions for Two-Dimensional Flow of an Incompressible Second Grade Fluid. Journal of Fluids Engineering, Transactions of the ASME, 2015, 137, .	1.5	1
44	Delineating impact of viscous dissipation and non-uniform heat source/sink on viscous fluid flow towards a stretching surface. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 0, , 095440892110504.	2.5	1
45	Some Exact Solutions to Equations of Motion of an Incompressible Second Grade Fluid. Journal of Fluids Engineering, Transactions of the ASME, 2015, 137, .	1.5	0
46	Surface tension effects on fully developed liquid layer flow over a convex corner. AIP Advances, 2018, 8, 045206.	1.3	0
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