Arqum Hashmi

List of Publications by Citations

31 papers	663 citations	13 h-index	25 g-index
32 ext. papers	744 ext. citations	4.2 avg, IF	4.6 L-index

#	Paper	IF	Citations
31	Transition Metal Doped Phosphorene: First-Principles Study. *Journal of Physical Chemistry C*, **2015**, 119, 9198-9204	3.8	199
30	Ultra-high capacity hydrogen storage in a Li decorated two-dimensional C2N layer. *Journal of Materials Chemistry A*, **2017**, 5, 2821-2828	13	83
29	Anisotropic bias dependent transport property of defective phosphorene layer. *Scientific Reports*, **2015**, 5, 12482	4.9	38
28	Metal free half metallicity in 2D system: structural and magnetic properties of g-C4N3 on BN. *Scientific Reports*, **2014**, 4, 4374	4.9	37
27	Geometry, electronic structures and optical properties of phosphorus nanotubes. *Nanotechnology*, **2015**, 26, 415702	3.4	33
26	Manipulation of Magnetic State in Armchair Black Phosphorene Nanoribbon by Charge Doping. *ACS Applied Materials & Interfaces*, **2015**, 7, 14423-30	9.5	31
25	Transparent half metallic g-C4N3 nanotubes: potential multifunctional applications for spintronics and optical devices. *Scientific Reports*, **2014**, 4, 6059	4.9	28
24	Thickness dependent band gap and effective mass of BN/graphene/BN and graphene/BN/graphene heterostructures. *Surface Science*, **2013**, 610, 27-32	1.8	26
23	Graphene/phosphorene bilayer: High electron speed, optical property and semiconductor-metal transition with electric field. *Current Applied Physics*, **2016**, 16, 318-323	2.6	22
22	Long-Range Magnetic Ordering and Switching of Magnetic State by Electric Field in Porous Phosphorene. *Journal of Physical Chemistry Letters*, **2016**, 7, 647-52	6.4	16
21	Spin-Dependent Transport and Optical Properties of Transparent Half-Metallic g-C4N3 Films. *Journal of Physical Chemistry C*, **2015**, 119, 1859-1866	3.8	15
20	Ferromagnetism controlled by electric field in tilted phosphorene nanoribbon. *Scientific Reports*, **2016**, 6, 26300	4.9	15
19	Energy product and coercivity of a rare-earth-free multilayer FeCo/FePt exchange spring magnet. *Journal of the Korean Physical Society*, **2013**, 62, 918-923	0.6	15
18	Magnetic properties of graphene/BN/Co(111) and potential spintronics. *Journal of Magnetism and Magnetic Materials*, **2014**, 355, 7-11	2.8	13
17	Magnetization reversal and spintronics of Ni/Graphene/Co induced by doped graphene. *Applied Physics Letters*, **2013**, 102, 112403	3.4	12
16	Manipulation of n and p type dope black phosphorene layer: A first principles study. *Current Applied Physics*, **2016**, 16, 506-514	2.6	10
15	Two-Dimensional Magnetic Semiconductor in Feroxyhyte. *ACS Applied Materials & Interfaces*, **2017**, 9, 35368-35375	9.5	10

14	Superconductivity in two-dimensional ferromagnetic MnB. *Scientific Reports*, **2017**, 7, 17101	4.9	8
13	Thickness dependent optical properties of multilayer BN/Graphene/BN. *Surface Science*, **2015**, 634, 25-30	2.8	7
12	Transition from half metal to semiconductor in Li doped g-C4N3. *Journal of Applied Physics*, **2014**, 115, 124312	2.5	7
11	Band gap and effective mass of multilayer BN/graphene/BN: van der Waals density functional approach. *Journal of Applied Physics*, **2014**, 115, 194304	2.5	7
10	Ising ferromagnetism and robust half-metallicity in two-dimensional honeycomb-kagome Cr2O3 layer. *Npj 2D Materials and Applications*, **2020**, 4,	8.8	7
9	Eradicating negative-Set behavior of TiO-based devices by inserting an oxygen vacancy rich zirconium oxide layer for data storage applications. *Nanotechnology*, **2020**, 31, 325201	3.4	7
8	Two-dimensional honeycomb hafnene monolayer: stability and magnetism by structural transition. *Nanoscale*, **2017**, 9, 10038-10043	7.7	5
7	Spin reorientation transition of Fe/FeCo/Cu(001) and Fe/FeCo/Co/Cu(001). *Journal of Magnetism and Magnetic Materials*, **2013**, 343, 262-267	2.8	5
6	Metallic behavior and enhanced adsorption energy of graphene on BN layer induced by Cu(111) substrate. *Journal of the Korean Physical Society*, **2014**, 64, 900-903	0.6	3
5	First-principles study of bilayer graphene on BN/Co(111): van der Waals density functional approach. *Journal of the Korean Physical Society*, **2014**, 64, 1370-1374	0.6	2
4	Optical properties of g-C4N3/BN bilayer film: A first-principles study. *Journal of the Korean Physical Society*, **2015**, 67, 1624-1629	0.6	1
3	Spin□alley Hall phenomena driven by Van Hove singularities in blistered graphene. *Npj Computational Materials*, **2020**, 6,	10.9	1
2	Nonlinear dynamics of electromagnetic field and valley polarization in WSe2 monolayer. *Applied Physics Letters*, **2022**, 120, 051108	3.4	0
1	Magnetic Properties of Ni/BN/Co Trilayer Structure: A First Principles Study. *Journal of Magnetics*, **2015**, 20, 201-206	1.9	