Bin Shao

List of Publications by Year
in descending order

18	275	1039406 9	996533 15
papers	citations	h-index	g-index

18	18	18	623
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Tunable Magnetism in Transition-Metal-Decorated Phosphorene. Journal of Physical Chemistry C, 2015, 119, 10059-10063.	1.5	108
2	Novel Excitonic Solar Cells in Phosphoreneâ€“TiO₂ Heterostructures with Extraordinary Charge Separation Efficiency. Journal of Physical Chemistry Letters, 2016, 7, 1880-1887.	2.1	51
3	An Iron-Porphyrin Complex with Large Easy-Axis Magnetic Anisotropy on Metal Substrate. ACS Nano, 2017, 11, 11402-11408.	7.3	20
4	Ab initio study on magnetic anisotropy change of SrCoxTixFe12â^'2xO19. Journal of Applied Physics, 2013, 113, 17D909.	1.1	15
5	Unconventional magnetic anisotropy in one-dimensional Rashba system realized by adsorbing Gd atom on zigzag graphene nanoribbons. Nanoscale, 2017, 9, 11657-11666.	2.8	15
6	Rashba spin splitting and perpendicular magnetic anisotropy of Gd-adsorbed zigzag graphene nanoribbon modulated by edge states under external electric fields. Physical Review B, 2020, 101, .	1.1	11
7	Exchange integrals in magnetoelectric hexagonal ferrite (SrCo2Ti2Fe8O19): A density functional study. Journal of Applied Physics, 2014, 115, 17D908.	1.1	10
8	Unexpected magnetic anisotropy induced by oxygen vacancy in anatase TiO2: A first-principles study. Journal of Applied Physics, 2014, 115, 17A915.	1.1	10
9	Carrier-dependent magnetic anisotropy of Gd-adsorbed graphene. AIP Advances, 2016, 6, .	0.6	10
10	Ab initio calculation of the local magnetic moment in titanium doped zinc oxide with a corrected-band-gap scheme. Journal of Applied Physics, 2012, 111, 07C301.	1.1	7
11	Ab initio calculations on magnetism induced by composite defects in magnesium oxide. Journal of Applied Physics, 2014, 115, 17A926.	1.1	5
12	Dirac cones in transition metal doped boron nitride. Journal of Applied Physics, 2015, 117, .	1.1	5
13	Optically and Electrically Controllable Adatom Spinâ€“orbital Dynamics in Transition Metal Dichalcogenides. Nano Letters, 2017, 17, 6721-6726.	4.5	4
14	Large perpendicular magnetic anisotropy of single Co atom on MgO monolayer: A first-principles study. Journal of Applied Physics, 2015, 117, 17B316.	1.1	3
15	Ab initiostudy of magnetic anisotropy in cobalt doped zinc oxide with electron-filling. Journal of Applied Physics, 2013, 113, 17C728.	1.1	1
16	Ab-initio Calculation of Magnetic Anisotropy Energy of Iron-Gallium Alloy in ${m L}1_{2}$ Phase. IEEE Transactions on Magnetics, 2011, 47, 2908-2911.	1.2	0
17	Dirac cones in artificial structures of 3d transitional-metals doped Mg-Al spinels. Journal of Applied Physics, 2014, 115, 17E119.	1.1	0
18	Electronic structure and magnetic properties of an ironâ€•and tantalumâ€‘based double perovskite. Physica Status Solidi (B): Basic Research, 2015, 252, 2723-2726.	0.7	0