

Bin Shao

List of Publications by Year in descending order

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18
papers

275
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1039406

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623
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#	ARTICLE	IF	CITATIONS
1	Rashba spin splitting and perpendicular magnetic anisotropy of Gd-adsorbed zigzag graphene nanoribbon modulated by edge states under external electric fields. <i>Physical Review B</i> , 2020, 101, .	1.1	11
2	An Iron-Porphyrin Complex with Large Easy-Axis Magnetic Anisotropy on Metal Substrate. <i>ACS Nano</i> , 2017, 11, 11402-11408.	7.3	20
3	Optically and Electrically Controllable Adatom Spin-orbital Dynamics in Transition Metal Dichalcogenides. <i>Nano Letters</i> , 2017, 17, 6721-6726.	4.5	4
4	Unconventional magnetic anisotropy in one-dimensional Rashba system realized by adsorbing Gd atom on zigzag graphene nanoribbons. <i>Nanoscale</i> , 2017, 9, 11657-11666.	2.8	15
5	Carrier-dependent magnetic anisotropy of Gd-adsorbed graphene. <i>AIP Advances</i> , 2016, 6, .	0.6	10
6	Novel Excitonic Solar Cells in Phosphorene-TiO ₂ Heterostructures with Extraordinary Charge Separation Efficiency. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 1880-1887.	2.1	51
7	Electronic structure and magnetic properties of an iron-and tantalum-based double perovskite. <i>Physica Status Solidi (B): Basic Research</i> , 2015, 252, 2723-2726.	0.7	0
8	Large perpendicular magnetic anisotropy of single Co atom on MgO monolayer: A first-principles study. <i>Journal of Applied Physics</i> , 2015, 117, 17B316.	1.1	3
9	Tunable Magnetism in Transition-Metal-Decorated Phosphorene. <i>Journal of Physical Chemistry C</i> , 2015, 119, 10059-10063.	1.5	108
10	Dirac cones in transition metal doped boron nitride. <i>Journal of Applied Physics</i> , 2015, 117, .	1.1	5
11	Ab initio calculations on magnetism induced by composite defects in magnesium oxide. <i>Journal of Applied Physics</i> , 2014, 115, 17A926.	1.1	5
12	Dirac cones in artificial structures of 3d transitional-metals doped Mg-Al spinels. <i>Journal of Applied Physics</i> , 2014, 115, 17E119.	1.1	0
13	Exchange integrals in magnetoelectric hexagonal ferrite (SrCo ₂ Ti ₂ Fe ₈ O ₁₉): A density functional study. <i>Journal of Applied Physics</i> , 2014, 115, 17D908.	1.1	10
14	Unexpected magnetic anisotropy induced by oxygen vacancy in anatase TiO ₂ : A first-principles study. <i>Journal of Applied Physics</i> , 2014, 115, 17A915.	1.1	10
15	Ab initio study on magnetic anisotropy change of SrCo _x Ti _x Fe _{12-2x} O ₁₉ . <i>Journal of Applied Physics</i> , 2013, 113, 17D909.	1.1	15
16	Ab initio study of magnetic anisotropy in cobalt doped zinc oxide with electron-filling. <i>Journal of Applied Physics</i> , 2013, 113, 17C728.	1.1	1
17	Ab initio calculation of the local magnetic moment in titanium doped zinc oxide with a corrected-band-gap scheme. <i>Journal of Applied Physics</i> , 2012, 111, 07C301.	1.1	7
18	Ab-initio Calculation of Magnetic Anisotropy Energy of Iron-Gallium Alloy in $\{m L\}_1\{2\}$ Phase. <i>IEEE Transactions on Magnetics</i> , 2011, 47, 2908-2911.	1.2	0