

Yusheng Wang

List of Publications by Year in descending order

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392
citing authors

#	ARTICLE	IF	CITATIONS
1	Metallic VO ₂ monolayer as an anode material for Li, Na, K, Mg or Ca ion storage: a first-principle study. RSC Advances, 2018, 8, 10848-10854.	3.6	51
2	A first-principles study of gas adsorption on monolayer AlN sheet. Vacuum, 2018, 147, 18-23.	3.5	43
3	Electronic, magnetic properties of 4d series transition metal substituted black phosphorene: A first-principles study. Applied Surface Science, 2019, 480, 802-809.	6.1	29
4	Li and Ca Co-decorated carbon nitride nanostructures as high-capacity hydrogen storage media. Journal of Applied Physics, 2011, 110, .	2.5	26
5	Electric field improved hydrogen storage of Ca-decorated monolayer MoS ₂ . Physics Letters, Section A: General, Atomic and Solid State Physics, 2015, 379, 815-819.	2.1	25
6	Metallic VS ₂ monolayer as an anchoring material for lithium-sulfur batteries. Chemical Physics Letters, 2020, 741, 137121.	2.6	21
7	A type-II C ₂ N _{1±} -Te van der Waals heterojunction with improved optical properties by external perturbation. Physical Chemistry Chemical Physics, 2019, 21, 21753-21760.	2.8	20
8	Porous graphene for high capacity lithium ion battery anode material. Applied Surface Science, 2016, 363, 318-322.	6.1	19
9	Manipulating electronic and magnetic properties of black phosphorene with 4d series transition metal adsorption. Physics Letters, Section A: General, Atomic and Solid State Physics, 2019, 383, 2765-2771.	2.1	13
10	Tailoring the electronic properties of graphyne/blue phosphorene heterostructure via external electric field and vertical strain. Chemical Physics Letters, 2019, 730, 277-282.	2.6	12
11	Intriguing electronic properties of germanene/ indium selenide and antimonene/ indium selenide heterostructures. Journal of Solid State Chemistry, 2019, 269, 513-520.	2.9	11
12	Tunable electronic structure and magnetic moment in C ₂ N nanoribbons with different edge functionalization atoms. Physical Chemistry Chemical Physics, 2017, 19, 15021-15029.	2.8	10
13	Electronic, magnetic properties of transition metal doped Tl ₂ S: First-principles study. Applied Surface Science, 2017, 425, 393-399.	6.1	9
14	B ₂₄ cluster as promising material for lithium storage and hydrogen storage applications. Computational Materials Science, 2013, 77, 31-34.	3.0	8
15	Intriguing electronic, optical and mechanical properties of the vertical and lateral heterostructures on the boron phosphide and GaN monolayers. Journal of Materials Science, 2021, 56, 7451-7463.	3.7	3
16	Electronic and magnetic properties of a black phosphorene/Tl ₂ S heterostructure with transition metal atom intercalation: a first-principles study. RSC Advances, 2019, 9, 19418-19428.	3.6	2