

Jianhui Yang

List of Publications by Year in descending order

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1487
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#	ARTICLE	IF	CITATIONS
1	Self-Standing CoP Nanosheets Array: A Three-Dimensional Bifunctional Catalyst Electrode for Overall Water Splitting in both Neutral and Alkaline Media. <i>ChemElectroChem</i> , 2017, 4, 1840-1845.	1.7	345
2	Tunable electronic and magnetic properties of Cr ₂ M ₂ C ₂ T ₂ (M = Ti or V; T = O, OH or F). <i>Applied Physics Letters</i> , 2016, 109, .	1.5	81
3	Coexistence of piezoelectricity and magnetism in two-dimensional vanadium dichalcogenides. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 132-136.	1.3	80
4	Investigation of magnetic and electronic properties of transition metal doped Sc ₂ CT ₂ (T = O, OH or F) using a first principles study. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 12914-12919.	1.3	70
5	Stability and electronic properties of sulfur terminated two-dimensional early transition metal carbides and nitrides (MXene). <i>Computational Materials Science</i> , 2018, 153, 303-308.	1.4	46
6	Tuning magnetic properties of Cr ₂ M ₂ C ₃ T ₂ (M = Ti and V) using extensile strain. <i>Computational Materials Science</i> , 2017, 139, 313-319.	1.4	40
7	Rationally Designed High-Performance Spin Filter Based on Two-Dimensional Half-Metal Cr ₂ NO ₂ . <i>Matter</i> , 2019, 1, 1304-1315.	5.0	30
8	High magnetoresistance in ultra-thin two-dimensional Cr-based MXenes. <i>Nanoscale</i> , 2018, 10, 19492-19497.	2.8	26
9	DyOCl: A rare-earth based two-dimensional van der Waals material with strong magnetic anisotropy. <i>Physical Review B</i> , 2021, 104, .	1.1	13
10	The effect of Fe vacancies and Cu adhesion on the magnetic properties of Fe ₃ GeTe ₂ . <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 7588-7593.	1.3	11
11	Density functional study of hydrogen adsorption and diffusion on Ni-loaded graphene and graphene oxide. <i>International Journal of Quantum Chemistry</i> , 2014, 114, 879-884.	1.0	8
12	Formation and Stability of Low-Dimensional Structures for Group VIII B and IB Transition Metals: The Role of sd ⁴ Hybridization. <i>Advanced Science</i> , 2016, 3, 1500314.	5.6	7
13	Tuning the magnetic properties of Fe ₃ GeTe ₂ by doping with 3d transition-metals. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2021, 396, 127219.	0.9	7
14	Understanding the chiral selectivity of gold nanotubes. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2012, 376, 2707-2711.	0.9	6
15	A first-principles study on the adhesion of Pt layers to NiO(100) and IrO ₂ (110) surfaces. <i>Journal of Physics Condensed Matter</i> , 2010, 22, 015003.	0.7	3
16	Transition Metal Nanostructures: Formation and Stability of Low-Dimensional Structures for Group VIII B and IB Transition Metals: The Role of sd ⁴ Hybridization (<i>Adv. Sci.</i> 4/2016). <i>Advanced Science</i> , 2016, 3, .	5.6	1