

Xuming Wu

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Robust half-metallicities and perfect spin transport properties in 2D transition metal dichlorides. <i>Journal of Materials Chemistry C</i> , 2018, 6, 4087-4094.	5.5	73
2	Electron and phonon transport properties of layered Bi ₂ O ₂ Se and Bi ₂ O ₂ Te from first-principles calculations. <i>New Journal of Physics</i> , 2018, 20, 123014.	2.9	50
3	FeCl ₂ /MoS ₂ /FeCl ₂ van der Waals junction for spintronic applications. <i>Journal of Materials Chemistry C</i> , 2020, 8, 14353-14359.	5.5	32
4	Half-metals and half-semiconductors in a transition metal doped SnSe ₂ monolayer: a first-principles study. <i>RSC Advances</i> , 2017, 7, 44499-44504.	3.6	30
5	High tunnel magnetoresistance based on 2D Dirac spin gapless semiconductor VCl ₃ . <i>Applied Physics Letters</i> , 2020, 116, .	3.3	27
6	2D Mn ₂ C ₆ Se ₁₂ and Mn ₂ C ₆ S ₆ Se ₆ : Intrinsic Room-Temperature Dirac Spin Gapless Semiconductors and Perfect Spin Transport Properties. <i>Journal of Physical Chemistry C</i> , 2020, 124, 16127-16135.	3.1	22
7	The half-metallicity and the spin filtering, NDR and spin Seebeck effects in 2D Ag-doped SnSe ₂ monolayer. <i>Journal of Chemical Physics</i> , 2019, 150, 064701.	3.0	16
8	Spin Transport and Spin Thermoelectric Transport in 2D Mn-Doped Blue Phosphorene with High Curie Temperature and Half-Metallicity. <i>Journal of Physical Chemistry C</i> , 2021, 125, 6341-6350.	3.1	15
9	2D Nb ₂ SiTe ₄ and Nb ₂ GeTe ₄ : promising thermoelectric figure of merit and gate-tunable thermoelectric performance. <i>Nanotechnology</i> , 2021, 32, 245203.	2.6	10
10	Ultralow lattice thermal conductivity at room temperature in 2D KCuSe from first-principles calculations. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 3296-3302.	2.8	7
11	Spin filtering effect, thermal spin diode effect and high tunneling magnetoresistance in the Au/Gd ₂ /Au van der Waals junction. <i>Nanoscale</i> , 2022, 14, 7891-7897.	5.6	5