Xuming Wu

List of Publications by Year
in descending order

11	287	1040056 9	1281871 11
papers	citations	h-index	g-index

11	11	11	356
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ultralow lattice thermal conductivity at room temperature in 2D KCuSe from first-principles calculations. Physical Chemistry Chemical Physics, 2022, 24, 3296-3302.	2.8	7
2	Spin filtering effect, thermal spin diode effect and high tunneling magnetoresistance in the Au/GdI₂/Au van der Waals junction. Nanoscale, 2022, 14, 7891-7897.	5.6	5
3	Spin Transport and Spin Thermoelectric Transport in 2D Mn-Doped Blue Phosphorene with High Curie Temperature and Half-Metallicity. Journal of Physical Chemistry C, 2021, 125, 6341-6350.	3.1	15
4	2D Nb₂SiTe₄ and Nb₂GeTe₄: promising thermoelectric figure of merit and gate-tunable thermoelectric performance. Nanotechnology, 2021, 32, 245203.	2.6	10
5	FeCl₂/MoS₂/FeCl₂ van der Waals junction for spintronic applications. Journal of Materials Chemistry C, 2020, 8, 14353-14359.	5.5	32
6	2D Mn₂C₆Se₁₂ and Mn₂C₆S₆Se₆: Intrinsic Room-Temperature Dirac Spin Gapless Semiconductors and Perfect Spin Transport Properties. Journal of Physical Chemistry C, 2020, 124, 16127-16135.	3.1	22
7	High tunnel magnetoresistance based on 2D Dirac spin gapless semiconductor VCl3. Applied Physics Letters, 2020, 116, .	3.3	27
8	The half-metallicity and the spin filtering, NDR and spin Seebeck effects in 2D Ag-doped SnSe2 monolayer. Journal of Chemical Physics, 2019, 150, 064701.	3.0	16
9	Robust half-metallicities and perfect spin transport properties in 2D transition metal dichlorides. Journal of Materials Chemistry C, 2018, 6, 4087-4094.	5.5	73
10	Electron and phonon transport properties of layered Bi₂O₂Se and Bi₂O₂Te from first-principles calculations. New Journal of Physics, 2018, 20, 123014.	2.9	50
11	Half-metals and half-semiconductors in a transition metal doped SnSe₂ monolayer: a first-principles study. RSC Advances, 2017, 7, 44499-44504.	3.6	30