Wei Sun

List of Publications by Year
in descending order

9 papers	285 citations	1307594 7 h-index	1474206 9 g-index
9 all docs	9 docs citations	9 times ranked	284 citing authors

#	Article	IF	Citations
1	Controlling bimerons as skyrmion analogues by ferroelectric polarization in 2D van der Waals multiferroic heterostructures. Nature Communications, 2020, 11, 5930.	12.8	90
2	Valence mediated tunable magnetism and electronic properties by ferroelectric polarization switching in 2D FeI₂/In₂Se₃ van der Waals heterostructures. Nanoscale, 2019, 11, 9931-9936.	5.6	75
3	Manipulation of Magnetic Skyrmion in a 2D van der Waals Heterostructure via Both Electric and Magnetic Fields. Advanced Functional Materials, 2021, 31, 2104452.	14.9	40
4	First-principles investigation on tunable electronic properties and magnetism by polarization in PbTiO₃/BiFeO₃ 2D ferroelectric heterostructures. Journal of Materials Chemistry C, 2019, 7, 463-473.	5.5	21
5	Giant Magnetoelectric Coupling and Two-Dimensional Electron Gas Regulated by Polarization in BiFeO₃/LaFeO₃ Heterostructures. Journal of Physical Chemistry C, 2019, 123, 16393-16399.	3.1	18
6	Tuning the magnetism of two-dimensional hematene by ferroelectric polarization. Physical Chemistry Chemical Physics, 2019, 21, 12301-12309.	2.8	16
7	Magnetic domain-wall induced ferroelectric polarization in rare-earth orthoferrites AFeO₃ (A = Lu, Y, Gd): first-principles calculations. Journal of Materials Chemistry C, 2019, 7, 10059-10065.	5.5	11
8	Ferroelectrically tunable magnetism in BiFeO3/BaTiO3 heterostructure revealed by the first-principles calculations. Journal of Advanced Research, 2020, 24, 371-377.	9.5	7
9	Nonvolatile magnetoelectric coupling in two-dimensional ferromagnetic-bilayer/ferroelectric van der Waals heterostructures. Nanoscale, 2021, 13, 14214-14220.	5.6	7