

Wei Sun

List of Publications by Year in descending order

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