

Zhe Wang

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,896
citations

623734

14
h-index

580821

25
g-index

28
all docs

28
docs citations

28
times ranked

2164
citing authors

#	ARTICLE	IF	CITATIONS
1	Prediction of intrinsic two-dimensional ferroelectrics in In ₂ Se ₃ and other III ₂ -VI ₃ van der Waals materials. Nature Communications, 2017, 8, 14956.	12.8	830
2	Intercorrelated In-Plane and Out-of-Plane Ferroelectricity in Ultrathin Two-Dimensional Layered Semiconductor In ₂ Se ₃ . Nano Letters, 2018, 18, 1253-1258.	9.1	509
3	Two-dimensional ferromagnetic van der Waals CrC_3I_3 monolayer with enhanced anisotropy and Curie temperature. Physical Review B, 2019, 100, .	3.2	80
4	Multistep nucleation and growth mechanisms of organic crystals from amorphous solid states. Nature Communications, 2019, 10, 3872.	12.8	57
5	Atomic-Scale Observation of Reversible Thermally Driven Phase Transformation in 2D In ₂ Se ₃ . ACS Nano, 2019, 13, 8004-8011.	14.6	57
6	Photo-spin-voltaic effect. Nature Physics, 2016, 12, 861-866.	16.7	52
7	Antisymmetric Magnetoresistance in a van der Waals Antiferromagnetic/Ferromagnetic Layered MnPS ₃ /Fe ₃ GeTe ₂ Stacking Heterostructure. ACS Nano, 2020, 14, Control of magnetic properties of MnBi_2Te_4	14.6	52
8	Control of magnetic properties of MnBi_2Te_4 using a van der Waals ferroelectric TiO_2 nanosheets for selective photocatalytic CO ₂ reduction. Nano Research, 2018, 11, 3362-3370.	3.2	49
9	Surface-adsorbed ions on TiO ₂ nanosheets for selective photocatalytic CO ₂ reduction. Nano Research, 2018, 11, 3362-3370.	10.4	44
10	Phase-Defined van der Waals Schottky Junctions with Significantly Enhanced Thermoelectric Properties. Journal of Physical Chemistry Letters, 2017, 8, 2887-2894.	4.6	30
11	Spin Orbit Coupling Controlled Spin Pumping and Spin Hall Magnetoresistance Effects. Advanced Electronic Materials, 2016, 2, 1600112.	5.1	25
12	The normal modes of lattice vibrations of ice XI. Scientific Reports, 2016, 6, 29273.	3.3	22
13	Tunable Band Alignments in 2D Ferroelectric In_2Se_3 Based Van der Waals Heterostructures. ACS Applied Electronic Materials, 2021, 3, 5114-5123.	4.3	19
14	Multifunctional two-dimensional van der Waals Janus magnet Cr-based dichalcogenide halides. Npj Computational Materials, 2022, 8, .	8.7	17
15	Hydrogen as a source of flux noise in SQUIDs. Physical Review B, 2018, 98, .	3.2	11
16	Multi-energy CT reconstruction using tensor nonlocal similarity and spatial sparsity regularization. Quantitative Imaging in Medicine and Surgery, 2020, 10, 1940-1960.	2.0	7
17	Atomic-Scale Visualization of Polar Domain Boundaries in Ferroelectric In ₂ Se ₃ at the Monolayer Limit. Journal of Physical Chemistry Letters, 2021, 12, 11902-11909.	4.6	7
18	Experimental research of the energy bins for K-edge imaging using a photon counting detector: a phantom and mice study. Radiation Detection Technology and Methods, 2020, 4, 303-311.	0.8	5

#	ARTICLE	IF	CITATIONS
19	Double-rowed teeth: design specialization of the H. venator ants for enhanced tribological stability. <i>Bioinspiration and Biomimetics</i> , 2021, 16, 055003.	2.9	5
20	Epitaxial growth and electronic properties of an antiferromagnetic semiconducting VI_2 monolayer. <i>Nanoscale</i> , 2022, 14, 10559-10565.	5.6	5
21	A study on noise reduction for dual-energy CT material decomposition with autoencoder. <i>Radiation Detection Technology and Methods</i> , 2019, 3, 1.	0.8	3
22	Field-induced tricritical behavior in the Néel-type skyrmion host GaV_4S_8 . <i>Physical Review B</i> , 2020, 102, .	3.2	3
23	Defect-induced ferromagnetism in a $\text{S}^{1/2}$ quasi-one-dimensional Heisenberg antiferromagnetic chain compound. <i>Scientific Reports</i> , 2021, 11, 14442.	3.3	3
24	Improved projection-based energy weighting for spectral CT. <i>Radiation Detection Technology and Methods</i> , 2019, 3, 1.	0.8	2
25	Anomalous Linear Layer-Dependent Blue Shift of Ultraviolet-Range Interband Transition in Two-Dimensional MoS_2 . <i>Journal of Physical Chemistry C</i> , 2020, 124, 1609-1616.	3.1	1
26	A deep learning-based ring artifact correction method for X-ray CT. <i>Radiation Detection Technology and Methods</i> , 2021, 5, 493-503.	0.8	1
27	Multi-segment spectral reconstruction via zero-value set prior. <i>Physics in Medicine and Biology</i> , 2021, 66, 185006.	3.0	0
28	Framelet tensor sparsity with block matching for spectral CT reconstruction. <i>Medical Physics</i> , 2022, , .	3.0	0