

Yangbo Zhou

List of Publications by Year in descending order

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papers

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docs citations

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#	ARTICLE	IF	CITATIONS
1	Hot-carrier infrared detection in PbS with ultrafast and highly sensitive responses. Applied Physics Letters, 2022, 120, .	1.5	5
2	Flexible BaTiO ₃ /SiC@PbTiO ₃ /epoxy composite films with enhanced dielectric performance at high frequency. Ceramics International, 2022, 48, 20102-20109.	2.3	2
3	Multistep nucleation visualized during solid-state crystallization. Materials Horizons, 2022, 9, 1670-1678.	6.4	6
4	Nonvolatile Ferroelectric Memory with Lateral $\hat{\Gamma}^2/\hat{\Gamma}^2$ In ₂ Se ₃ Heterojunctions. ACS Applied Materials & Interfaces, 2022, 14, 25693-25700.	4.0	13
5	Few-Layered MnAl ₂ S ₄ Dielectrics for High-Performance van der Waals Stacked Transistors. ACS Applied Materials & Interfaces, 2022, 14, 25920-25927.	4.0	8
6	Emission enhancement and exciton species modulation in monolayer WS ₂ via decoration of CdTe quantum dots. Applied Physics Letters, 2022, 120, 261105.	1.5	0
7	Quasi-1D ZrS ₃ as an Anisotropic Nano-Reflector for Manipulating Light-Matter Interactions. Advanced Optical Materials, 2022, 10, .	3.6	9
8	Electric modulation of conduction in MAPbBr ₃ single crystals. Journal of Advanced Ceramics, 2021, 10, 320-327.	8.9	11
9	Plasma Treatment of Ultrathin Layered Semiconductors for Electronic Device Applications. ACS Applied Electronic Materials, 2021, 3, 1505-1529.	2.0	12
10	Visualization of Bubble Nucleation and Growth Confined in 2D Flakes. Small, 2021, 17, e2103301.	5.2	9
11	Visualization of Bubble Nucleation and Growth Confined in 2D Flakes (Small 39/2021). Small, 2021, 17, 2170205.	5.2	1
12	Silicon nitride waveguides with directly grown WS ₂ for efficient second-harmonic generation. Nanoscale, 2021, 14, 49-54.	2.8	14
13	Applications of ESEM on Materials Science: Recent Updates and a Look Forward. Small Methods, 2020, 4, 1900588.	4.6	12
14	Atomic Steps Induce the Aligned Growth of Ice Crystals on Graphite Surfaces. Nano Letters, 2020, 20, 8112-8119.	4.5	17
15	Controllable Thermal Oxidation and Photoluminescence Enhancement in Quasi-1D van der Waals ZrS ₃ Flakes. ACS Applied Electronic Materials, 2020, 2, 3756-3764.	2.0	12
16	Photoflexoelectric effect in halide perovskites. Nature Materials, 2020, 19, 605-609.	13.3	132
17	MoS ₂ Memtransistors Fabricated by Localized Helium Ion Beam Irradiation. ACS Nano, 2019, 13, 14262-14273.	7.3	99
18	Oxide-mediated recovery of field-effect mobility in plasma-treated MoS ₂ . Science Advances, 2018, 4, eaao5031.	4.7	82

#	ARTICLE	IF	CITATIONS
19	New perspectives on nano-engineering by secondary electron spectroscopy in the helium ion and scanning electron microscope. MRS Communications, 2018, 8, 226-240.	0.8	23
20	Defect sizing, separation, and substrate effects in ion-irradiated monolayer two-dimensional materials. Physical Review B, 2018, 98, .	1.1	46
21	Low-temperature electrical conduction of plasma-treated bilayer MoS ₂ . MRS Communications, 2018, 8, 514-520.	0.8	3
22	Programmable graphene doping via electron beam irradiation. Nanoscale, 2017, 9, 8657-8664.	2.8	20
23	Precise milling of nano-gap chains in graphene with a focused helium ion beam. Nanotechnology, 2016, 27, 325302.	1.3	13
24	Quantitative secondary electron imaging for work function extraction at atomic level and layer identification of graphene. Scientific Reports, 2016, 6, 21045.	1.6	26
25	Nanopatterning and Electrical Tuning of MoS ₂ Layers with a Subnanometer Helium Ion Beam. Nano Letters, 2015, 15, 5307-5313.	4.5	171
26	High throughput secondary electron imaging of organic residues on a graphene surface. Scientific Reports, 2015, 4, 7032.	1.6	10