

Yang Lu

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Atomic-Scale Insights into the Lateral and Vertical Epitaxial Growth in Two-Dimensional Pd ₂ Se ₃ –MoS ₂ Heterostructures. ACS Nano, 2022, 16, 10260-10272.	14.6	3
2	GaS:WS ₂ Heterojunctions for Ultrathin Two-Dimensional Photodetectors with Large Linear Dynamic Range across Broad Wavelengths. ACS Nano, 2021, 15, 19570-19580.	14.6	20
3	Controlling Defects in Continuous 2D GaS Films for High-Performance Wavelength-Tunable UV-Discriminating Photodetectors. Advanced Materials, 2020, 32, e1906958.	21.0	53
4	Direct Imaging of Individual Molecular Binding to Clean Nanopore Edges in 2D Monolayer MoS ₂ . ACS Nano, 2020, 14, 153-165.	14.6	19
5	Phase Variations and Layer Epitaxy of 2D PdSe ₂ Grown on 2D Monolayers by Direct Selenization of Molecular Pd Precursors. ACS Nano, 2020, 14, 11677-11690.	14.6	10
6	Synthesis and Applications of Wide Bandgap 2D Layered Semiconductors Reaching the Green and Blue Wavelengths. ACS Applied Electronic Materials, 2020, 2, 1777-1814.	4.3	50
7	Precursor Design for High Density Single Pt Atom Sites on MoS ₂ : Enhanced Stability at Elevated Temperatures and Reduced 3D Clustering. Chemistry of Materials, 2020, 32, 2541-2551.	6.7	8
8	Morphology Control of Two-Dimensional Tin Disulfide on Transition Metal Dichalcogenides Using Chemical Vapor Deposition for Nanoelectronic Applications. ACS Applied Nano Materials, 2019, 2, 4222-4231.	5.0	21
9	Postgrowth Substitutional Tin Doping of 2D WS ₂ Crystals Using Chemical Vapor Deposition. ACS Applied Materials & Interfaces, 2019, 11, 24279-24288.	8.0	24
10	High-Performance WS ₂ Monolayer Light-Emitting Tunneling Devices Using 2D Materials Grown by Chemical Vapor Deposition. ACS Nano, 2019, 13, 4530-4537.	14.6	56
11	Ultrathin All-2D Lateral Graphene/GaS/Graphene UV Photodetectors by Direct CVD Growth. ACS Applied Materials & Interfaces, 2019, 11, 48172-48178.	8.0	30
12	Direct Laser Patterning and Phase Transformation of 2D PdSe ₂ Films for On-Demand Device Fabrication. ACS Nano, 2019, 13, 14162-14171.	14.6	44
13	Self-Limiting Growth of High-Quality 2D Monolayer MoS ₂ by Direct Sulfurization Using Precursor-Soluble Substrates for Advanced Field-Effect Transistors and Photodetectors. ACS Applied Nano Materials, 2019, 2, 369-378.	5.0	27
14	Degradation-Resisting Restructuring Induced Anisotropic Epitaxial Growth for Fabrication of Asymmetric Diblock and Triblock Mesoporous Nanocomposites. Advanced Materials, 2017, 29, 1701652.	21.0	53
15	Filtration Shell Mediated Power Density Independent Orthogonal Excitations-Emissions Upconversion Luminescence. Angewandte Chemie - International Edition, 2016, 55, 2464-2469.	13.8	219