

Yang Lu

List of Publications by Year in descending order

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15
papers

637
citations

759233

12
h-index

996975

15
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all docs

15
docs citations

15
times ranked

1212
citing authors

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