

# Hui Zhu

## List of Publications by Year in descending order

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22  
papers

1,738  
citations

516710

16  
h-index

677142

22  
g-index

22  
all docs

22  
docs citations

22  
times ranked

3530  
citing authors

#	ARTICLE	IF	CITATIONS
1	Understanding the Synergistic Oxidation in Dichalcogenides through Electrochemiluminescence Blinking at Millisecond Resolution. <i>Advanced Materials</i> , 2021, 33, e2105039.	21.0	12
2	High-resolution imaging of catalytic activity of a single graphene sheet using electrochemiluminescence microscopy. <i>Chemical Science</i> , 2021, 12, 4794-4799.	7.4	35
3	Atomic Layer Deposition of Layered Boron Nitride for Large-Area 2D Electronics. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 36688-36694.	8.0	22
4	Perturbation Electrochemiluminescence Imaging to Observe the Fluctuation of Charge-Transfer Resistance in Individual Graphene Microsheets with Redox-Induced Defects. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 46666-46670.	8.0	12
5	WTe <sub>2</sub> thin films grown by beam-interrupted molecular beam epitaxy. <i>2D Materials</i> , 2017, 4, 025044.	4.4	48
6	New Mo <sub>6</sub> Te <sub>6</sub> Sub-10 nm Diameter Nanowire Phase from 2H-MoTe <sub>2</sub> . <i>Advanced Materials</i> , 2017, 29, 1606264.	21.0	64
7	Sub-10 nm Tunable Hybrid Dielectric Engineering on MoS <sub>2</sub> for Two-Dimensional Material-Based Devices. <i>ACS Nano</i> , 2017, 11, 10243-10252.	14.6	28
8	Nucleation and growth of WSe <sub>2</sub> : enabling large grain transition metal dichalcogenides. <i>2D Materials</i> , 2017, 4, 045019.	4.4	96
9	In Situ Heating Study of 2H-MoTe <sub>2</sub> to Mo <sub>6</sub> Te <sub>6</sub> Nanowire Phase Transition. <i>Microscopy and Microanalysis</i> , 2017, 23, 1764-1765.	0.4	2
10	Chiral expression from molecular to macroscopic level via pH modulation in terbium coordination polymers. <i>Nature Communications</i> , 2017, 8, 2131.	12.8	35
11	Defects and Surface Structural Stability of MoTe <sub>2</sub> Under Vacuum Annealing. <i>ACS Nano</i> , 2017, 11, 11005-11014.	14.6	117
12	Remote Plasma Oxidation and Atomic Layer Etching of MoS <sub>2</sub> . <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 19119-19126.	8.0	145
13	Al <sub>2</sub> O <sub>3</sub> on Black Phosphorus by Atomic Layer Deposition: An <i>in Situ</i> Interface Study. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 13038-13043.	8.0	81
14	Atomically thin resonant tunnel diodes built from synthetic van der Waals heterostructures. <i>Nature Communications</i> , 2015, 6, 7311.	12.8	382
15	A comparative study of atomic layer deposition of Al <sub>2</sub> O <sub>3</sub> and HfO <sub>2</sub> on AlGaIn/GaN. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 4638-4643.	2.2	25
16	Surface and interfacial study of half cycle atomic layer deposited Al <sub>2</sub> O <sub>3</sub> on black phosphorus. <i>Microelectronic Engineering</i> , 2015, 147, 1-4.	2.4	15
17	Impurities and Electronic Property Variations of Natural MoS <sub>2</sub> Crystal Surfaces. <i>ACS Nano</i> , 2015, 9, 9124-9133.	14.6	240
18	HfSe <sub>2</sub> Thin Films: 2D Transition Metal Dichalcogenides Grown by Molecular Beam Epitaxy. <i>ACS Nano</i> , 2015, 9, 474-480.	14.6	195

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19	Atomically Thin Heterostructures Based on Single-Layer Tungsten Diselenide and Graphene. <i>Nano Letters</i> , 2014, 14, 6936-6941.	9.1	132
20	Racemic metal phosphonates based on 1-phosphonomethyl-2-benzimidazol-piperidine. <i>CrystEngComm</i> , 2013, 15, 10316.	2.6	10
21	Racemic metal phosphonates based on 2-phenyl-2-(phosphonomethylamino)acetate. <i>Dalton Transactions</i> , 2013, 42, 14075.	3.3	11
22	Supramolecular Isomerism of Oneâ€Dimensional Copper(II) Phosphonate and Its Influence on the Magnetic Properties. <i>ChemPlusChem</i> , 2012, 77, 1087-1095.	2.8	31