

Yang Ou

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

828
citations

840776

11
h-index

1058476

14
g-index

15
all docs

15
docs citations

15
times ranked

1268
citing authors

#	ARTICLE	IF	CITATIONS
1	Poly(4-styrenesulfonate)-induced sulfur vacancy self-healing strategy for monolayer MoS ₂ homojunction photodiode. Nature Communications, 2017, 8, 15881.	12.8	191
2	Deciphering the NH ₄ PbI ₃ Intermediate Phase for Simultaneous Improvement on Nucleation and Crystal Growth of Perovskite. Advanced Functional Materials, 2017, 27, 1701804.	14.9	117
3	Strain-Engineered van der Waals Interfaces of Mixed-Dimensional Heterostructure Arrays. ACS Nano, 2019, 13, 9057-9066.	14.6	94
4	Defect-Engineered Atomically Thin MoS ₂ Homogeneous Electronics for Logic Inverters. Advanced Materials, 2020, 32, e1906646.	21.0	94
5	Self-Healing Originated van der Waals Homo Junctions with Strong Interlayer Coupling for High-Performance Photodiodes. ACS Nano, 2019, 13, 3280-3291.	14.6	69
6	Hidden Vacancy Benefit in Monolayer 2D Semiconductors. Advanced Materials, 2021, 33, e2007051.	21.0	65
7	Site Management for Highly Crystalline Perovskites. Advanced Materials, 2020, 32, e1904702.	21.0	62
8	Atomically Thin ZnO Sheet for Visible-Blind Ultraviolet Photodetection. Small, 2020, 16, e2005520.	10.0	45
9	Gate-Controlled Polarity-Reversible Photodiodes with Ambipolar 2D Semiconductors. Advanced Functional Materials, 2021, 31, 2007559.	14.9	38
10	Synergistic-Engineered van der Waals photodiodes with high efficiency. Information Materials, 2022, 4, .	17.3	16
11	Ultra-stable ZnO nanobelts in electrochemical environments. Materials Chemistry Frontiers, 2021, 5, 430-437.	5.9	15
12	Edge induced band bending in van der Waals heterojunctions: A first principle study. Nano Research, 2020, 13, 701-708.	10.4	12
13	Photovoltaics: Deciphering the NH ₄ PbI ₃ Intermediate Phase for Simultaneous Improvement on Nucleation and Crystal Growth of Perovskite (Adv. Funct. Mater. 30/2017). Advanced Functional Materials, 2017, 27, .	14.9	6
14	Point defect induced intervalley scattering for the enhancement of interlayer electron transport in bilayer MoS ₂ homojunctions. Nanoscale, 2020, 12, 9859-9865.	5.6	4
15	Perovskite Crystallization: Site Management for Highly Crystalline Perovskites (Adv. Mater. 4/2020). Advanced Materials, 2020, 32, 2070031.	21.0	0