

Yang Ou

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7503774/publications.pdf>

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