

Aiming Yan

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

2,963
citations

758635

12
h-index

887659

17
g-index

19
all docs

19
docs citations

19
times ranked

6461
citing authors

#	ARTICLE	IF	CITATIONS
1	High-performance transition metal-doped Pt ₃ Ni octahedra for oxygen reduction reaction. <i>Science</i> , 2015, 348, 1230-1234.	6.0	1,623
2	Observation of moiré excitons in WSe ₂ /WS ₂ heterostructure superlattices. <i>Nature</i> , 2019, 567, 76-80.	13.7	791
3	Direct Growth of Single- and Few-Layer MoS ₂ on h-BN with Preferred Relative Rotation Angles. <i>Nano Letters</i> , 2015, 15, 6324-6331.	4.5	172
4	Optically Discriminating Carrier-Induced Quasiparticle Band Gap and Exciton Energy Renormalization in Monolayer MoS ₂ . <i>Physical Review Letters</i> , 2017, 119, 087401.	2.9	74
5	Molecular Arrangement and Charge Transfer in C ₆₀ /Graphene Heterostructures. <i>ACS Nano</i> , 2017, 11, 4686-4693.	7.3	60
6	The ultrafast onset of exciton formation in 2D semiconductors. <i>Nature Communications</i> , 2020, 11, 5277.	5.8	57
7	Identifying different stacking sequences in few-layer CVD-grown MoS ₂ by low-energy atomic-resolution scanning transmission electron microscopy. <i>Physical Review B</i> , 2016, 93,	1.1	51
8	Self-Passivation of Defects: Effects of High-Energy Particle Irradiation on the Elastic Modulus of Multilayer Graphene. <i>Advanced Materials</i> , 2015, 27, 6841-6847.	11.1	24
9	Preventing Thin Film Dewetting via Graphene Capping. <i>Advanced Materials</i> , 2017, 29, 1701536.	11.1	23
10	Dynamics of Symmetry-Breaking Stacking Boundaries in Bilayer MoS ₂ . <i>Journal of Physical Chemistry C</i> , 2017, 121, 22559-22566.	1.5	22
11	Electrostatically Driven Nanoballoon Actuator. <i>Nano Letters</i> , 2016, 16, 6787-6791.	4.5	16
12	Spontaneous twisting of a collapsed carbon nanotube. <i>Nano Research</i> , 2017, 10, 1942-1949.	5.8	12
13	Metallo-Hydrogel-Assisted Synthesis and Direct Writing of Transition Metal Dichalcogenides. <i>Advanced Functional Materials</i> , 2019, 29, 1807612.	7.8	12
14	Multi-scale order in amorphous transparent oxide thin films. <i>Journal of Applied Physics</i> , 2012, 112, 054907.	1.1	10
15	Fabrication of One-Dimensional Zigzag [6,6]-Phenyl-C ₆₁ -Butyric Acid Methyl Ester Nanoribbons from Two-Dimensional Nanosheets. <i>ACS Nano</i> , 2015, 9, 10516-10522.	7.3	10
16	Wafer-scale on-chip synthesis and field emission properties of vertically aligned boron nitride based nanofiber arrays. <i>Applied Physics Letters</i> , 2019, 114, 093101.	1.5	2
17	Identifying and Engineering the Stacking Sequence in CVD Grown Few-layer MoS ₂ via Aberration-corrected STEM. <i>Microscopy and Microanalysis</i> , 2017, 23, 2006-2007.	0.2	0
18	Graphene: Preventing Thin Film Dewetting via Graphene Capping (Adv. Mater. 36/2017). <i>Advanced Materials</i> , 2017, 29, .	11.1	0