

Jiahao Yan

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

350
citations

1163117

8
h-index

1058476

14
g-index

14
all docs

14
docs citations

14
times ranked

559
citing authors

#	ARTICLE	IF	CITATIONS
1	Atomically sharp interface enabled ultrahigh-speed non-volatile memory devices. Nature Nanotechnology, 2021, 16, 882-887.	31.5	105
2	Direct Four-Probe Measurement of Grain-Boundary Resistivity and Mobility in Millimeter-Sized Graphene. Nano Letters, 2017, 17, 5291-5296.	9.1	59
3	Observation of the Kondo Effect in Multilayer Single-Crystalline VTe ₂ Nanoplates. Nano Letters, 2019, 19, 8572-8580.	9.1	52
4	InSe/hBN/graphite heterostructure for high-performance 2D electronics and flexible electronics. Nano Research, 2020, 13, 1127-1132.	10.4	48
5	Airâ€Stable Monolayer Cu ₂ Se Exhibits a Purely Thermal Structural Phase Transition. Advanced Materials, 2020, 32, e1908314.	21.0	26
6	Lattice-Directed Construction of Metalâ€Organic Molecular Wires of Pentacene on the Au(110) Surface. Journal of Physical Chemistry C, 2017, 121, 21650-21657.	3.1	14
7	Upgrade of a commercial four-probe scanning tunneling microscopy system. Review of Scientific Instruments, 2017, 88, 063704.	1.3	13
8	Wrinkle-induced highly conductive channels in graphene on SiO ₂ /Si substrates. Nanoscale, 2020, 12, 12038-12045.	5.6	11
9	A low-temperature scanning probe microscopy system with molecular beam epitaxy and optical access. Review of Scientific Instruments, 2018, 89, 113705.	1.3	9
10	Substrate, a choice of engineering the pseudospin in graphene. 2D Materials, 2019, 6, 045050.	4.4	4
11	Integrated ionic sieving channels from engineering ordered monolayer two-dimensional crystallite structures. Science Bulletin, 2020, 65, 1356-1362.	9.0	3
12	Direct probing of imperfection-induced electrical degradation in millimeter-scale graphene on SiO ₂ substrates. 2D Materials, 2019, 6, 045033.	4.4	2
13	One-step solution synthesis of a two-dimensional semiconducting covalent organometallic nanosheet <i>via</i> the condensation of boronic acid. RSC Advances, 2019, 9, 29327-29330.	3.6	2
14	A time-shared switching scheme designed for multi-probe scanning tunneling microscope. Review of Scientific Instruments, 2021, 92, 103702.	1.3	2