

Mao-Lin Chen

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

2,179
citations

430442

18
h-index

713013

21
g-index

21
all docs

21
docs citations

21
times ranked

3425
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemical vapor deposition of layered two-dimensional MoSi ₂ N ₄ materials. Science, 2020, 369, 670-674.	6.0	556
2	Electric-field control of magnetism in a few-layered van der Waals ferromagnetic semiconductor. Nature Nanotechnology, 2018, 13, 554-559.	15.6	466
3	A flexible ultrasensitive optoelectronic sensor array for neuromorphic vision systems. Nature Communications, 2021, 12, 1798.	5.8	198
4	Ultrahigh-performance transparent conductive films of carbon-welded isolated single-wall carbon nanotubes. Science Advances, 2018, 4, eaap9264.	4.7	178
5	Ultrafast Growth of High-Quality Monolayer WSe ₂ on Au. Advanced Materials, 2017, 29, 1700990.	11.1	139
6	A FinFET with one atomic layer channel. Nature Communications, 2020, 11, 1205.	5.8	83
7	Growth of semiconducting single-wall carbon nanotubes with a narrow band-gap distribution. Nature Communications, 2016, 7, 11160.	5.8	75
8	Gate tunable giant anisotropic resistance in ultra-thin GaTe. Nature Communications, 2019, 10, 2302.	5.8	72
9	Gate-controlled reversible rectifying behaviour in tunnel contacted atomically-thin MoS ₂ transistor. Nature Communications, 2017, 8, 970.	5.8	68
10	A Flexible Carbon Nanotube Senâ€™Memory Device. Advanced Materials, 2020, 32, e1907288.	11.1	48
11	Growth of Large-Area Homogeneous Monolayer Transition-Metal Disulfides via a Molten Liquid Intermediate Process. ACS Applied Materials & Interfaces, 2020, 12, 13174-13181.	4.0	46
12	Interlayer epitaxy of wafer-scale high-quality uniform AB-stacked bilayer graphene films on liquid Pt ₃ Si/solid Pt. Nature Communications, 2019, 10, 2809.	5.8	43
13	A vertical silicon-graphene-germanium transistor. Nature Communications, 2019, 10, 4873.	5.8	37
14	An ultrasensitive molybdenum-based double-heterojunction phototransistor. Nature Communications, 2021, 12, 4094.	5.8	37
15	Flexible 64 Å— 64 Pixel AMOLED Displays Driven by Uniform Carbon Nanotube Thin-Film Transistors. ACS Applied Materials & Interfaces, 2019, 11, 11699-11705.	4.0	33
16	A Double Support Layer for Facile Clean Transfer of Two-Dimensional Materials for High-Performance Electronic and Optoelectronic Devices. ACS Nano, 2019, 13, 5513-5522.	7.3	29
17	Pushing the conductance and transparency limit of monolayer graphene electrodes for flexible organic light-emitting diodes. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 25991-25998.	3.3	28
18	UV-Epoxy-Enabled Simultaneous Intact Transfer and Highly Efficient Doping for Roll-to-Roll Production of High-Performance Graphene Films. ACS Applied Materials & Interfaces, 2018, 10, 40756-40763.	4.0	18

#	ARTICLE	IF	CITATIONS
19	Ultrafast Transition of Nonuniform Graphene to High-Quality Uniform Monolayer Films on Liquid Cu. ACS Applied Materials & Interfaces, 2019, 11, 17629-17636.	4.0	10
20	Circular Graphene Platelets with Grain Size and Orientation Gradients Grown by Chemical Vapor Deposition. Advanced Materials, 2017, 29, 1605451.	11.1	8
21	Engineering Graphene Grain Boundaries for Plasmonic Multi-Excitation and Hotspots. ACS Nano, 2022, 16, 9041-9048.	7.3	7