

Yuting Shen

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

1,186
citations

1039406

9
h-index

1125271

13
g-index

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all docs

15
docs citations

15
times ranked

2792
citing authors

#	ARTICLE	IF	CITATIONS
1	Tailoring Bi ₂ Te ₃ edge with semiconductor and metal properties under electron beam irradiation. Nano Research, 2022, 15, 4710-4716.	5.8	9
2	Sub-4 nm Nanodiamonds from Graphene-Oxide and Nitrated Polycyclic Aromatic Hydrocarbons at 423 K. ACS Nano, 2021, 15, 17392-17400.	7.3	13
3	<i>In situ</i> TEM investigation of large crystal formation in lithiated SnO ₂ anode assisted by electron beam irradiation. Journal of Materials Chemistry A, 2021, 9, 22301-22312.	5.2	2
4	Atomic Modulation Engineering of Hexagon-Shaped CeO ₂ Nanocrystals by <i>In Situ</i> Sculpturing of an Electron Beam. Journal of Physical Chemistry C, 2020, 124, 17006-17014.	1.5	3
5	Precisely monitoring and tailoring 2D nanostructures at the atomic scale. APL Materials, 2019, 7, .	2.2	16
6	Anomalous Shape Evolution of Ag ₂ O Nanocrystals Modulated by Surface Adsorbates during Electron Beam Etching. Nano Letters, 2019, 19, 591-597.	4.5	2
7	In Situ Repair of 2D Chalcogenides under Electron Beam Irradiation. Advanced Materials, 2018, 30, e1705954.	11.1	36
8	In-situ TEM Study on Sub-10 nm Materials. Microscopy and Microanalysis, 2018, 24, 1650-1651.	0.2	0
9	Electron Beam Etching of CaO Crystals Observed Atom by Atom. Nano Letters, 2017, 17, 5119-5125.	4.5	20
10	Formation of graphene oxide/graphene membrane on solid-state substrates via Langmuir-Blodgett self-assembly. , 2016, , .		0
11	Defects as a factor limiting carrier mobility in WSe ₂ : A spectroscopic investigation. Nano Research, 2016, 9, 3622-3631.	5.8	126
12	Elemental superdoping of graphene and carbon nanotubes. Nature Communications, 2016, 7, 10921.	5.8	238
13	Setting up a nanolab inside a transmission electron microscope for two-dimensional materials research. Journal of Materials Research, 2015, 30, 3153-3176.	1.2	10
14	Towards intrinsic charge transport in monolayer molybdenum disulfide by defect and interface engineering. Nature Communications, 2014, 5, 5290.	5.8	563
15	Enhanced photocatalytic activity of hierarchical ZnO nanoplate-nanowire architecture as environmentally safe and facilely recyclable photocatalyst. Nanoscale, 2011, 3, 5020.	2.8	148