

CITATION REPORT

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Synthesis of ultrathin two-dimensional nanosheets and van der Waals heterostructures from non-layered α -CuI

DOI: 10.1038/s41699-018-0058-2

Npj 2D Materials and Applications, 2018, 2, .

Source: <https://exaly.com/paper-pdf/71735208/citation-report.pdf>

Version: 2024-04-26

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#	Paper	IF	Citations
30	Precise Vapor-Phase Synthesis of Two-Dimensional Atomic Single Crystals. <i>IScience</i> , 2019 , 20, 527-545	6.1	9
29	Formation of Effective CuI-GaN Heterojunction with Excellent Ultraviolet Photoresponsive Photovoltage. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2019 , 216, 1900200	1.6	3
28	van der Waals epitaxial growth of ultrathin metallic NiSe nanosheets on WSe ₂ as high performance contacts for WSe ₂ transistors. <i>Nano Research</i> , 2019 , 12, 1683-1689	10	20
27	Recent Progress on Two-Dimensional Heterostructures for Catalytic, Optoelectronic, and Energy Applications. <i>ChemElectroChem</i> , 2019 , 6, 2841-2851	4.3	11
26	Observing Charge Transfer Interaction in CuI and MoS ₂ Heterojunction for Photoresponsive Device Application. <i>ACS Applied Electronic Materials</i> , 2019 , 1, 302-310	4	11
25	Optoelectronic and photonic devices based on transition metal dichalcogenides. <i>Materials Research Express</i> , 2020 , 7, 014002	1.7	31
24	Substrates in the Synthesis of Two-Dimensional Materials via Chemical Vapor Deposition. <i>Chemistry of Materials</i> , 2020 , 32, 10321-10347	9.6	22
23	Non-layered 2D materials toward advanced photoelectric devices: progress and prospects. <i>Materials Horizons</i> , 2020 , 7, 2185-2207	14.4	30
22	Atomically thin TiO nanosheets synthesized using liquid metal chemistry. <i>Chemical Communications</i> , 2020 , 56, 4914-4917	5.8	17
21	Controllable synthesis of NiS and NiS ₂ nanoplates by chemical vapor deposition. <i>Nano Research</i> , 2020 , 13, 2506-2511	10	24
20	Recent advances in two-dimensional inorganic nanosheet-based supercapacitor electrodes. <i>Journal of the Korean Ceramic Society</i> , 2020 , 57, 119-134	2.2	9
19	Fabrication of ultra-thin 2D covalent organic framework nanosheets and their application in functional electronic devices. <i>Coordination Chemistry Reviews</i> , 2021 , 429, 213616	23.2	20
18	Solution-processed two-dimensional materials for next-generation photovoltaics. <i>Chemical Society Reviews</i> , 2021 , 50, 11870-11965	58.5	21
17	Heterolayered TiO ₂ @layered double hydroxide-MoS ₂ nanostructure for simultaneous adsorption-photocatalysis of co-existing water contaminants. <i>Applied Surface Science</i> , 2021 , 553, 149577	6.7	10
16	Hierarchically Interlaced 2D Copper Iodide/MXene Composite for High Thermoelectric Performance. <i>Physica Status Solidi - Rapid Research Letters</i> , 2100419	2.5	1
15	Blue emission and twin structure of p-type copper iodide thin films. <i>Surfaces and Interfaces</i> , 2021 , 27, 101500	4.1	0
14	Towards Exotic Layered Materials: 2D Cuprous Iodide. <i>Advanced Materials</i> , 2021 , e2106922	24	3

13	Atomic and structural modifications of two-dimensional transition metal dichalcogenides for various advanced applications. <i>Chemical Science</i> ,	9.4	1
12	Van der Waals Template-Assisted Low-Temperature Epitaxial Growth of 2D Atomic Crystals. <i>Advanced Functional Materials</i> , 2202580	15.6	0
11	Regioselective Friedel-Crafts Acylation Reaction Using Single Crystalline and Ultrathin Nanosheet Assembly of Scrutinyite-SnO ₂ . 2022 , 7, 32225-32237		0
10	Optical and thermoelectric properties of non-Janus CuI and AgI, and Janus Cu ₂ BrI and Ag ₂ BrI monolayers by many-body perturbation theory. 2022 , 106,		0
9	The record low thermal conductivity of monolayer cuprous iodide (CuI) with a direct wide bandgap.		0
8	The VdW Heterostructure Controllable Fabrications. 2022 , 69-96		0
7	The Mixed-dimensional VdW Heterostructures. 2022 , 97-124		0
6	Defect-State Transition Associated Hole Dynamics in Cuprous Iodide Nanosheets. 2022 , 126, 20920-20928		0
5	Curative Effects of Copper Iodide Embedded on Gallic Acid Incorporated in a Poly(vinyl alcohol) (PVA) Liquid Bandage. 2023 , 9, 53		0
4	Optoelectronic properties of monolayer and bilayer AgI: role of many-body interactions.		0
3	Synthesis, properties, and application of the new nanocatalyst of double layer hydroxides in the one-pot multicomponent synthesis of 2-amino-3-cyanopyridine derivatives. 2023 , 13,		1
2	Investigation of the electronic, optical, elastic, mechanical and vibrational properties of CuI using HSE03.		0
1	Non-van der Waals 2D Materials for Electrochemical Energy Storage. 2209360		0