

Weiwei Cai

List of Publications by Year in descending order

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17
papers

11,429
citations

949033

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h-index

993246

17
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17
all docs

17
docs citations

17
times ranked

19665
citing authors

#	ARTICLE	IF	CITATIONS
1	Anisotropic in-plane thermal conductivity for multi-layer WTe ₂ . Nano Research, 2022, 15, 401-407.	5.8	12
2	In Situ Raman Probing of Hot-Electron Transfer at Gold-Graphene Interfaces with Atomic Layer Accuracy. Angewandte Chemie - International Edition, 2022, 61, .	7.2	24
3	Highly in-plane anisotropy of thermal transport in suspended ternary chalcogenide Ta ₂ NiS ₅ . Nano Research, 2022, 15, 6601-6606.	5.8	10
4	Polycrystalline Few-Layer Graphene as a Durable Anticorrosion Film for Copper. Nano Letters, 2021, 21, 1161-1168.	4.5	39
5	Vertically Oriented Graphene for the Fluorescence Quenching Raman Spectra of Aromatic Dyes. Journal of Physical Chemistry C, 2021, 125, 14891-14896.	1.5	5
6	Stress Effects on Temperature-Dependent In-Plane Raman Modes of Supported Monolayer Graphene Induced by Thermal Annealing. Nanomaterials, 2021, 11, 2751.	1.9	4
7	Controlled growth of MoS ₂ via surface-energy alterations. Nanotechnology, 2020, 31, 035601.	1.3	5
8	Thickness-Independent Energy Dissipation in Graphene Electronics. ACS Applied Materials & Interfaces, 2020, 12, 17706-17712.	4.0	13
9	Native Oxide Seeded Spontaneous Integration of Dielectrics on Exfoliated Black Phosphorus. ACS Applied Materials & Interfaces, 2020, 12, 24411-24418.	4.0	5
10	Syntheses and bandgap alterations of MoS ₂ induced by stresses in graphene-platinum substrates. Carbon, 2018, 131, 26-30.	5.4	12
11	Critical Annealing Temperature for Stacking Orientation of Bilayer Graphene. Small, 2018, 14, e1802498.	5.2	6
12	Temperature-Related Morphological Evolution of MoS ₂ Domains on Graphene and Electron Transfer within Heterostructures. Small, 2017, 13, 1603549.	5.2	20
13	Centimeter-Scale Nearly Single-Crystal Monolayer MoS ₂ via Self-Limiting Vapor Deposition Epitaxy. Journal of Physical Chemistry C, 2017, 121, 4703-4707.	1.5	12
14	Interlayer coupling of a direct van der Waals epitaxial MoS ₂ /graphene heterostructure. RSC Advances, 2016, 6, 323-330.	1.7	42
15	Study on the Diffusion Mechanism of Graphene Grown on Copper Pockets. Small, 2015, 11, 1418-1422.	5.2	53
16	Oxidation Resistance of Graphene-Coated Cu and Cu/Ni Alloy. ACS Nano, 2011, 5, 1321-1327.	7.3	1,167
17	Large-Area Synthesis of High-Quality and Uniform Graphene Films on Copper Foils. Science, 2009, 324, 1312-1314.	6.0	10,000