

Weiwei Cai

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

15
papers

10,055
citations

7
h-index

17
g-index

17
ext. papers

10,878
ext. citations

10.4
avg, IF

5.12
L-index

#	Paper	IF	Citations
15	Large-area synthesis of high-quality and uniform graphene films on copper foils. <i>Science</i> , 2009 , 324, 1312-13	353	8900
14	Oxidation resistance of graphene-coated Cu and Cu/Ni alloy. <i>ACS Nano</i> , 2011 , 5, 1321-7	16.7	1007
13	Study on the diffusion mechanism of graphene grown on copper pockets. <i>Small</i> , 2015 , 11, 1418-22	11	43
12	Interlayer coupling of a direct van der Waals epitaxial MoS ₂ /graphene heterostructure. <i>RSC Advances</i> , 2016 , 6, 323-330	3.7	35
11	Temperature-Related Morphological Evolution of MoS Domains on Graphene and Electron Transfer within Heterostructures. <i>Small</i> , 2017 , 13, 1603549	11	17
10	Polycrystalline Few-Layer Graphene as a Durable Anticorrosion Film for Copper. <i>Nano Letters</i> , 2021 , 21, 1161-1168	11.5	16
9	Centimeter-Scale Nearly Single-Crystal Monolayer MoS ₂ via Self-Limiting Vapor Deposition Epitaxy. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 4703-4707	3.8	10
8	Syntheses and bandgap alterations of MoS ₂ induced by stresses in graphene-platinum substrates. <i>Carbon</i> , 2018 , 131, 26-30	10.4	7
7	Thickness-Independent Energy Dissipation in Graphene Electronics. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 17706-17712	9.5	5
6	Critical Annealing Temperature for Stacking Orientation of Bilayer Graphene. <i>Small</i> , 2018 , 14, e1802498	11	4
5	Native Oxide Seeded Spontaneous Integration of Dielectrics on Exfoliated Black Phosphorus. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 24411-24418	9.5	2
4	In situ Raman probing of hot-electron transfer at Au-graphene interfaces with atomic layer accuracy. <i>Angewandte Chemie - International Edition</i> , 2021 ,	16.4	2
3	Anisotropic in-plane thermal conductivity for multi-layer WTe ₂ . <i>Nano Research</i> , 1	10	2
2	Controlled growth of MoS via surface-energy alterations. <i>Nanotechnology</i> , 2020 , 31, 035601	3.4	1
1	Vertically Oriented Graphene for the Fluorescence Quenching Raman Spectra of Aromatic Dyes. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 14891-14896	3.8	1