

Yu Xiang

List of Publications by Year in descending order

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papers

779
citations

623734

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20
docs citations

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times ranked

1725
citing authors

#	ARTICLE	IF	CITATIONS
1	Diffusion-Controlled Epitaxy of Large Area Coalesced WSe ₂ Monolayers on Sapphire. Nano Letters, 2018, 18, 1049-1056.	9.1	197
2	Flexo-photovoltaic effect in MoS ₂ . Nature Nanotechnology, 2021, 16, 894-901.	31.5	107
3	Vanadium disulfide flakes with nanolayered titanium disulfide coating as cathode materials in lithium-ion batteries. Nature Communications, 2019, 10, 1764.	12.8	73
4	Large Single Crystal SnS ₂ Flakes Synthesized from Coevaporation of Sn and S. Crystal Growth and Design, 2016, 16, 961-973.	3.0	47
5	Tuning the Phase and Optical Properties of Ultrathin SnS ₂ Films. Journal of Physical Chemistry C, 2016, 120, 13199-13214.	3.1	42
6	Humidity sensing using vertically oriented arrays of ReS ₂ nanosheets deposited on an interdigitated gold electrode. 2D Materials, 2016, 3, 045012.	4.4	42
7	Nontrivial strength of van der Waals epitaxial interaction in soft perovskites. Physical Review Materials, 2018, 2, .	2.4	40
8	van der Waals Epitaxy of Antimony Islands, Sheets, and Thin Films on Single-Crystalline Graphene. ACS Nano, 2018, 12, 6100-6108.	14.6	38
9	Revealing the Crystalline Integrity of Wafer-Scale Graphene on SiO ₂ /Si: An Azimuthal RHEED Approach. ACS Applied Materials & Interfaces, 2017, 9, 23081-23091.	8.0	27
10	Monolayer MoS ₂ on sapphire: an azimuthal reflection high-energy electron diffraction perspective. 2D Materials, 2021, 8, 025003.	4.4	26
11	Epitaxial CdTe Thin Films on Mica by Vapor Transport Deposition for Flexible Solar Cells. ACS Applied Energy Materials, 2020, 3, 4589-4599.	5.1	24
12	Remote Phononic Effects in Epitaxial Ruddlesden-Popper Halide Perovskites. Journal of Physical Chemistry Letters, 2018, 9, 6676-6682.	4.6	22
13	Reflection high-energy electron diffraction measurements of reciprocal space structure of 2D materials. Nanotechnology, 2016, 27, 485703.	2.6	21
14	van der Waals epitaxy of Ge films on mica. Journal of Applied Physics, 2017, 122, 185305.	2.5	20
15	Growth of epitaxial CdTe thin films on amorphous substrates using single crystal graphene buffer. Carbon, 2019, 144, 519-524.	10.3	14
16	Metalorganic vapor phase epitaxy of large size CdTe grains on mica through chemical and van der Waals interactions. Physical Review Materials, 2018, 2, .	2.4	12
17	van der Waals epitaxy of SnS film on single crystal graphene buffer layer on amorphous SiO ₂ /Si. Applied Surface Science, 2018, 435, 759-768.	6.1	10
18	Large scale epitaxial graphite grown on twin free nickel(111)/spinel substrate. CrystEngComm, 2020, 22, 119-129.	2.6	7

#	ARTICLE	IF	CITATIONS
19	Uniaxial magnetic anisotropy in three-bilayer Co/Cu and Co/Al superlattices. Thin Solid Films, 2019, 681, 32-40.	1.8	5
20	Domain boundaries in incommensurate epitaxial layers on weakly interacting substrates. Journal of Applied Physics, 2021, 130, 065301.	2.5	5