

# Yu Xiang

## List of Publications by Year in descending order

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20  
papers

779  
citations

623734

14  
h-index

752698

20  
g-index

20  
all docs

20  
docs citations

20  
times ranked

1725  
citing authors

#	ARTICLE	IF	CITATIONS
1	Flexo-photovoltaic effect in MoS <sub>2</sub> . Nature Nanotechnology, 2021, 16, 894-901.	31.5	107
2	Domain boundaries in incommensurate epitaxial layers on weakly interacting substrates. Journal of Applied Physics, 2021, 130, 065301.	2.5	5
3	Monolayer MoS <sub>2</sub> on sapphire: an azimuthal reflection high-energy electron diffraction perspective. 2D Materials, 2021, 8, 025003.	4.4	26
4	Large scale epitaxial graphite grown on twin free nickel(111)/spinel substrate. CrystEngComm, 2020, 22, 119-129.	2.6	7
5	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
6	Uniaxial magnetic anisotropy in three-bilayer Co/Cu and Co/Al superlattices. Thin Solid Films, 2019, 681, 32-40.	1.8	5
7	Vanadium disulfide flakes with nanolayered titanium disulfide coating as cathode materials in lithium-ion batteries. Nature Communications, 2019, 10, 1764.	12.8	73
8	Growth of epitaxial CdTe thin films on amorphous substrates using single crystal graphene buffer. Carbon, 2019, 144, 519-524.	10.3	14
9	Diffusion-Controlled Epitaxy of Large Area Coalesced WSe <sub>2</sub> Monolayers on Sapphire. Nano Letters, 2018, 18, 1049-1056.	9.1	197
10	van der Waals epitaxy of SnS film on single crystal graphene buffer layer on amorphous SiO <sub>2</sub> /Si. Applied Surface Science, 2018, 435, 759-768.	6.1	10
11	Remote Phononic Effects in Epitaxial Ruddlesden-Popper Halide Perovskites. Journal of Physical Chemistry Letters, 2018, 9, 6676-6682.	4.6	22
12	van der Waals Epitaxy of Antimony Islands, Sheets, and Thin Films on Single-Crystalline Graphene. ACS Nano, 2018, 12, 6100-6108.	14.6	38
13	Nontrivial strength of van der Waals epitaxial interaction in soft perovskites. Physical Review Materials, 2018, 2, .	2.4	40
14	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
15	Revealing the Crystalline Integrity of Wafer-Scale Graphene on SiO <sub>2</sub> /Si: An Azimuthal RHEED Approach. ACS Applied Materials & Interfaces, 2017, 9, 23081-23091.	8.0	27
16	van der Waals epitaxy of Ge films on mica. Journal of Applied Physics, 2017, 122, 185305.	2.5	20
17	Tuning the Phase and Optical Properties of Ultrathin SnS <sub>x</sub> Films. Journal of Physical Chemistry C, 2016, 120, 13199-13214.	3.1	42
18	Reflection high-energy electron diffraction measurements of reciprocal space structure of 2D materials. Nanotechnology, 2016, 27, 485703.	2.6	21

#	ARTICLE	IF	CITATIONS
19	Humidity sensing using vertically oriented arrays of ReS <sub>2</sub> nanosheets deposited on an interdigitated gold electrode. 2D Materials, 2016, 3, 045012.	4.4	42
20	Large Single Crystal SnS <sub>2</sub> Flakes Synthesized from Coevaporation of Sn and S. Crystal Growth and Design, 2016, 16, 961-973.	3.0	47