

Ye Fan

List of Publications by Year in descending order

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26
papers

2,152
citations

430874

18
h-index

552781

26
g-index

26
all docs

26
docs citations

26
times ranked

4030
citing authors

#	ARTICLE	IF	CITATIONS
1	Shape Evolution of Monolayer MoS ₂ Crystals Grown by Chemical Vapor Deposition. Chemistry of Materials, 2014, 26, 6371-6379.	6.7	698
2	Ultrathin 2D Photodetectors Utilizing Chemical Vapor Deposition Grown WS ₂ With Graphene Electrodes. ACS Nano, 2016, 10, 7866-7873.	14.6	264
3	Large Single Crystals of Graphene on Melted Copper Using Chemical Vapor Deposition. ACS Nano, 2012, 6, 5010-5017.	14.6	218
4	Controlling sulphur precursor addition for large single crystal domains of WS ₂ . Nanoscale, 2014, 6, 12096-12103.	5.6	149
5	Lateral Graphene-Contacted Vertically Stacked WS ₂ /MoS ₂ Hybrid Photodetectors with Large Gain. Advanced Materials, 2017, 29, 1702917.	21.0	111
6	Enhancing Photoluminescence and Mobilities in WS ₂ Monolayers with Oleic Acid Ligands. Nano Letters, 2019, 19, 6299-6307.	9.1	80
7	Temperature Dependence of the Reconstruction of Zigzag Edges in Graphene. ACS Nano, 2015, 9, 4786-4795.	14.6	68
8	Photoinduced Schottky Barrier Lowering in 2D Monolayer WS ₂ Photodetectors. Advanced Optical Materials, 2016, 4, 1573-1581.	7.3	62
9	Doping Graphene Transistors Using Vertical Stacked Monolayer WS ₂ Heterostructures Grown by Chemical Vapor Deposition. ACS Applied Materials & Interfaces, 2016, 8, 1644-1652.	8.0	61
10	Rippling Graphene at the Nanoscale through Dislocation Addition. Nano Letters, 2013, 13, 4937-4944.	9.1	59
11	Crack-Free Growth and Transfer of Continuous Monolayer Graphene Grown on Melted Copper. Chemistry of Materials, 2014, 26, 4984-4991.	6.7	54
12	Rational Passivation of Sulfur Vacancy Defects in Two-Dimensional Transition Metal Dichalcogenides. ACS Nano, 2021, 15, 8780-8789.	14.6	52
13	Spectrally Resolved Photodynamics of Individual Emitters in Large-Area Monolayers of Hexagonal Boron Nitride. ACS Nano, 2019, 13, 4538-4547.	14.6	47
14	Utilizing Interlayer Excitons in Bilayer WS ₂ for Increased Photovoltaic Response in Ultrathin Graphene Vertical Cross-Bar Photodetecting Tunneling Transistors. ACS Nano, 2018, 12, 4669-4677.	14.6	37
15	A Peeling Approach for Integrated Manufacturing of Large Monolayer h-BN Crystals. ACS Nano, 2019, 13, 2114-2126.	14.6	35
16	Quantum Emitter Localization in Layer-Engineered Hexagonal Boron Nitride. ACS Nano, 2021, 15, 13591-13603.	14.6	27
17	Uniformity of large-area bilayer graphene grown by chemical vapor deposition. Nanotechnology, 2015, 26, 395601.	2.6	21
18	Temperature dependence of atomic vibrations in mono-layer graphene. Journal of Applied Physics, 2015, 118, .	2.5	18

#	ARTICLE	IF	CITATIONS
19	Electrical Breakdown of Suspended Mono- and Few-Layer Tungsten Disulfide <i>via</i> Sulfur Depletion Identified by <i>in situ</i> Atomic Imaging. ACS Nano, 2017, 11, 9435-9444.	14.6	16
20	Giant photoluminescence enhancement in MoSe ₂ monolayers treated with oleic acid ligands. Nanoscale Advances, 2021, 3, 4216-4225.	4.6	14
21	Oxidising and carburising catalyst conditioning for the controlled growth and transfer of large crystal monolayer hexagonal boron nitride. 2D Materials, 2020, 7, 024005.	4.4	13
22	Understanding metal organic chemical vapour deposition of monolayer WS ₂ : the enhancing role of Au substrate for simple organosulfur precursors. Nanoscale, 2020, 12, 22234-22244.	5.6	13
23	A highly stable, nanotube-enhanced, CMOS-MEMS thermal emitter for mid-IR gas sensing. Scientific Reports, 2021, 11, 22915.	3.3	11
24	Negative Electro-conductance in Suspended 2D WS ₂ Nanoscale Devices. ACS Applied Materials & Interfaces, 2016, 8, 32963-32970.	8.0	10
25	Lateral Extensions to Nanowires for Controlling Nickel Silicidation Kinetics: Improving Contact Uniformity of Nanoelectronic Devices. ACS Applied Nano Materials, 2021, 4, 4371-4378.	5.0	9
26	High-Throughput Electrical Characterization of Nanomaterials from Room to Cryogenic Temperatures. ACS Nano, 2020, 14, 15293-15305.	14.6	5