

Yang Liu

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

818
citations

759233

12
h-index

839539

18
g-index

18
all docs

18
docs citations

18
times ranked

1369
citing authors

#	ARTICLE	IF	CITATIONS
1	Identifying the Transition Order in an Artificial Ferroelectric van der Waals Heterostructure. Nano Letters, 2022, 22, 1265-1269.	9.1	23
2	Mixed-Dimensional 1D/2D van der Waals Heterojunction Diodes and Transistors in the Atomic Limit. ACS Nano, 2022, 16, 1639-1648.	14.6	15
3	Nickel particle-enabled width-controlled growth of bilayer molybdenum disulfide nanoribbons. Science Advances, 2021, 7, eabk1892.	10.3	19
4	General synthesis of two-dimensional van der Waals heterostructure arrays. Nature, 2020, 579, 368-374.	27.8	393
5	van der Waals Integrated Devices Based on Nanomembranes of 3D Materials. Nano Letters, 2020, 20, 1410-1416.	9.1	19
6	Suppressed threshold voltage roll-off and ambipolar transport in multilayer transition metal dichalcogenide feed-back gate transistors. Nano Research, 2020, 13, 1943-1947.	10.4	5
7	Carbon nanotube-based photovoltaic receiver with open-circuit voltage larger than 10 V. Nano Energy, 2019, 57, 241-247.	16.0	4
8	Three-dimensional integration of plasmonics and nanoelectronics. Nature Electronics, 2018, 1, 644-651.	26.0	32
9	Carbon nanotube-based three-dimensional monolithic optoelectronic integrated system. Nature Communications, 2017, 8, 15649.	12.8	57
10	Plasmonic Enhanced Performance of an Infrared Detector Based on Carbon Nanotube Films. ACS Applied Materials & Interfaces, 2017, 9, 12743-12749.	8.0	28
11	Electrically driven monolithic subwavelength plasmonic interconnect circuits. Science Advances, 2017, 3, e1701456.	10.3	34
12	Toward High-Performance Carbon Nanotube Photovoltaic Devices. Advanced Energy Materials, 2016, 6, 1600522.	19.5	28
13	Contact-dominated transport in carbon nanotube thin films: toward large-scale fabrication of high performance photovoltaic devices. Nanoscale, 2016, 8, 17122-17130.	5.6	11
14	Nanoscale color sensors made on semiconducting multi-wall carbon nanotubes. Nano Research, 2016, 9, 1470-1479.	10.4	6
15	Room Temperature Broadband Infrared Carbon Nanotube Photodetector with High Detectivity and Stability. Advanced Optical Materials, 2016, 4, 238-245.	7.3	90
16	Room temperature infrared imaging sensors based on highly purified semiconducting carbon nanotubes. Nanoscale, 2015, 7, 6805-6812.	5.6	16
17	Carbon nanotube light sensors with linear dynamic range of over 120 dB. Applied Physics Letters, 2014, 105, .	3.3	29
18	Angle-stable RGBW top-emitting organic light-emitting devices with Ag/Ge/Ag cathode. Optics Letters, 2013, 38, 1742.	3.3	9