

# Yanan Wang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3634470/publications.pdf>

Version: 2024-02-01

19  
papers

587  
citations

933447

10  
h-index

888059

17  
g-index

20  
all docs

20  
docs citations

20  
times ranked

746  
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient photocatalytic hydrogen peroxide generation coupled with selective benzylamine oxidation over defective ZrS <sub>3</sub> nanobelts. <i>Nature Communications</i> , 2021, 12, 2039.	12.8	90
2	Intrinsic polarization coupling in 2D In <sub>2</sub> Se <sub>3</sub> toward artificial synapse with multimode operations. <i>SmartMat</i> , 2021, 2, 88-98.	10.7	81
3	Surface charge transfer doping for two-dimensional semiconductor-based electronic and optoelectronic devices. <i>Nano Research</i> , 2021, 14, 1682-1697.	10.4	72
4	Nonvolatile and Programmable Photodoping in MoTe <sub>2</sub> for Photoresist-Free Complementary Electronic Devices. <i>Advanced Materials</i> , 2018, 30, e1804470.	21.0	70
5	Band-tailored van der Waals heterostructure for multilevel memory and artificial synapse. <i>Information Materials</i> , 2021, 3, 917-928.	17.3	59
6	Anomalous Broadband Spectrum Photodetection in 2D Rhenium Disulfide Transistor. <i>Advanced Optical Materials</i> , 2019, 7, 1901115.	7.3	37
7	Multifunctional MoTe <sub>2</sub> Fe-FET Enabled by Ferroelectric Polarization-Assisted Charge Trapping. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	37
8	Black phosphorus inverter devices enabled by in-situ aluminum surface modification. <i>Nano Research</i> , 2019, 12, 531-536.	10.4	33
9	Controlling Native Oxidation of HfS <sub>2</sub> for 2D Materials Based Flash Memory and Artificial Synapse. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 10639-10649.	8.0	33
10	Out-of-Plane Homojunction Enabled High Performance SnS <sub>2</sub> Lateral Phototransistor. <i>Advanced Optical Materials</i> , 2020, 8, 1901971.	7.3	27
11	Controlling phase transition in WSe <sub>2</sub> towards ideal n-type transistor. <i>Nano Research</i> , 2021, 14, 2703-2710.	10.4	13
12	Van der Waals Heterostructures with Tunable Tunneling Behavior Enabled by MoO <sub>3</sub> Surface Functionalization. <i>Advanced Optical Materials</i> , 2020, 8, 1901867.	7.3	11
13	Nondestructive hole doping enabled photocurrent enhancement of layered tungsten diselenide. <i>2D Materials</i> , 2019, 6, 024002.	4.4	7
14	Two-dimensional reconfigurable electronics enabled by asymmetric floating gate. <i>Nano Research</i> , 2022, 15, 4439-4447.	10.4	6
15	Native Oxide Seeded Spontaneous Integration of Dielectrics on Exfoliated Black Phosphorus. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 24411-24418.	8.0	5
16	Flexible neuromorphic electronics based on low-dimensional materials. <i>Science China Materials</i> , 2022, 65, 2154-2159.	6.3	5
17	Photodoping: Nonvolatile and Programmable Photodoping in MoTe <sub>2</sub> for Photoresist-Free Complementary Electronic Devices (Adv. Mater. 52/2018). <i>Advanced Materials</i> , 2018, 30, 1870402.	21.0	1
18	TMD-Based Phototransistors: Anomalous Broadband Spectrum Photodetection in 2D Rhenium Disulfide Transistor (Advanced Optical Materials 23/2019). <i>Advanced Optical Materials</i> , 2019, 7, 1970088.	7.3	0

#	ARTICLE	IF	CITATIONS
19	Outside Front Cover: Volume 2 Issue 1. SmartMat, 2021, 2, i.	10.7	0