

# Ziyuan Lin

## List of Publications by Citations

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17  
papers

1,684  
citations

14  
h-index

20  
g-index

20  
ext. papers

2,073  
ext. citations

12.6  
avg, IF

4.77  
L-index

#	Paper	IF	Citations
17	Optoelectronic resistive random access memory for neuromorphic vision sensors. <i>Nature Nanotechnology</i> , <b>2019</b> , 14, 776-782	28.7	370
16	Extraordinarily Strong Interlayer Interaction in 2D Layered PtS <sub>2</sub> . <i>Advanced Materials</i> , <b>2016</b> , 28, 2399-40724	24	322
15	Fabrication of NickelCobalt Bimetal Phosphide Nanocages for Enhanced Oxygen Evolution Catalysis. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1706008	15.6	261
14	Direct TEM observations of growth mechanisms of two-dimensional MoS <sub>2</sub> flakes. <i>Nature Communications</i> , <b>2016</b> , 7, 12206	17.4	147
13	Carrier Type Control of WSe <sub>2</sub> Field-Effect Transistors by Thickness Modulation and MoO <sub>3</sub> Layer Doping. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 4223-4230	15.6	133
12	Controllable Growth of Large-Size Crystalline MoS <sub>2</sub> and Resist-Free Transfer Assisted with a Cu Thin Film. <i>Scientific Reports</i> , <b>2015</b> , 5, 18596	4.9	130
11	Low voltage and high ON/OFF ratio field-effect transistors based on CVD MoS <sub>2</sub> and ultra high-k gate dielectric PZT. <i>Nanoscale</i> , <b>2015</b> , 7, 8695-700	7.7	104
10	Active site engineering of Fe- and Ni-sites for highly efficient electrochemical overall water splitting. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 21445-21451	13	48
9	Low-Power Complementary Inverter with Negative Capacitance 2D Semiconductor Transistors. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2003859	15.6	31
8	Improved interfacial H <sub>2</sub> O supply by surface hydroxyl groups for enhanced alkaline hydrogen evolution. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 24091-24097	13	28
7	Phase and Facet Control of Molybdenum Carbide Nanosheet Observed by In Situ TEM. <i>Small</i> , <b>2017</b> , 13, 1700051	11	25
6	Two-Dimensional Antiferroelectricity in Nanostripe-Ordered In <sub>2</sub> Se <sub>3</sub> . <i>Physical Review Letters</i> , <b>2020</b> , 125, 047601	7.4	21
5	Emerging Group-VI Elemental 2D Materials: Preparations, Properties, and Device Applications. <i>Small</i> , <b>2020</b> , 16, e2003319	11	19
4	Infrared light gated MoS <sub>2</sub> field effect transistor. <i>Optics Express</i> , <b>2015</b> , 23, 31908-14	3.3	15
3	Doping of two-dimensional MoS <sub>2</sub> by high energy ion implantation. <i>Semiconductor Science and Technology</i> , <b>2017</b> , 32, 124002	1.8	14
2	Interstitial copper-doped edge contact for n-type carrier transport in black phosphorus. <i>Information Materials</i> , <b>2019</b> , 1, 242	23.1	13
1	Quasi one-dimensional van der Waals gold selenide with strong interchain interaction and giant magnetoresistance. <i>Science Bulletin</i> , <b>2020</b> , 65, 1451-1459	10.6	2

