

Ziyuan Lin

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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

