

# Zehua Jin

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8131314/publications.pdf>

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17  
papers

2,165  
citations

623734

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h-index

888059

17  
g-index

17  
all docs

17  
docs citations

17  
times ranked

3980  
citing authors

#	ARTICLE	IF	CITATIONS
1	Janus Monolayer Transition-Metal Dichalcogenides. ACS Nano, 2017, 11, 8192-8198.	14.6	1,001
2	An Atomically Layered InSe Avalanche Photodetector. Nano Letters, 2015, 15, 3048-3055.	9.1	253
3	Surface functionalization of two-dimensional metal chalcogenides by Lewis acid–base chemistry. Nature Nanotechnology, 2016, 11, 465-471.	31.5	197
4	Synthesis of large-scale atomic-layer SnS <sub>2</sub> through chemical vapor deposition. Nano Research, 2017, 10, 2386-2394.	10.4	124
5	Strain-Induced Electronic Structure Changes in Stacked van der Waals Heterostructures. Nano Letters, 2016, 16, 3314-3320.	9.1	122
6	Fluorinated h-BN as a magnetic semiconductor. Science Advances, 2017, 3, e1700842.	10.3	121
7	Low Contact Barrier in 2H/1T MoTe <sub>2</sub> In-Plane Heterostructure Synthesized by Chemical Vapor Deposition. ACS Applied Materials & Interfaces, 2019, 11, 12777-12785.	8.0	70
8	Layer Engineering of 2D Semiconductor Junctions. Advanced Materials, 2016, 28, 5126-5132.	21.0	63
9	Spiral Growth of SnSe <sub>2</sub> Crystals by Chemical Vapor Deposition. Advanced Materials Interfaces, 2016, 3, 1600383.	3.7	55
10	Lateral Monolayer MoSe <sub>2</sub> /WSe <sub>2</sub> Heterojunctions with Giant Built-in Potentials. Small, 2020, 16, e2002263.	10.0	50
11	Thermally Induced 2D Alloy Heterostructure Transformation in Quaternary Alloys. Advanced Materials, 2018, 30, e1804218.	21.0	29
12	Solid-Vapor Reaction Growth of Transition-Metal Dichalcogenide Monolayers. Angewandte Chemie - International Edition, 2016, 55, 10656-10661.	13.8	27
13	Near-Field Coupled Integrable Two-Dimensional InSe Photosensor on Optical Fiber. ACS Nano, 2018, 12, 12571-12577.	14.6	19
14	Solid-Vapor Reaction Growth of Transition-Metal Dichalcogenide Monolayers. Angewandte Chemie, 2016, 128, 10814-10819.	2.0	17
15	A Study of Vertical Transport through Graphene toward Control of Quantum Tunneling. Nano Letters, 2018, 18, 682-688.	9.1	13
16	Quaternary Alloys: Thermally Induced 2D Alloy Heterostructure Transformation in Quaternary Alloys (Adv. Mater. 45/2018). Advanced Materials, 2018, 30, 1870344.	21.0	2
17	Interfacial States and Fano-Feshbach Resonance in Graphene-Silicon Vertical Junction. Nano Letters, 2019, 19, 6765-6771.	9.1	2