

# Jinhua Hong

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

2,953  
citations

430442

18  
h-index

552369

26  
g-index

31  
all docs

31  
docs citations

31  
times ranked

5859  
citing authors

#	ARTICLE	IF	CITATIONS
1	Exploring atomic defects in molybdenum disulphide monolayers. <i>Nature Communications</i> , 2015, 6, 6293.	5.8	1,124
2	Plasma-assisted fabrication of monolayer phosphorene and its Raman characterization. <i>Nano Research</i> , 2014, 7, 853-859.	5.8	606
3	High Mobility 2D Palladium Diselenide Field-Effect Transistors with Tunable Ambipolar Characteristics. <i>Advanced Materials</i> , 2017, 29, 1602969.	11.1	251
4	Atomic Defects in Two-Dimensional Materials: From Single-Atom Spectroscopy to Functionalities in Optoelectronics, Nanomagnetism, and Catalysis. <i>Advanced Materials</i> , 2017, 29, 1606434.	11.1	211
5	Fabricating Dual-Atom Iron Catalysts for Efficient Oxygen Evolution Reaction: A Heteroatom Modulator Approach. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 16013-16022.	7.2	151
6	Fabrication of a Spherical Superstructure of Carbon Nanorods. <i>Advanced Materials</i> , 2019, 31, e1900440.	11.1	116
7	Tunable Doping of Rhenium and Vanadium into Transition Metal Dichalcogenides for Two-Dimensional Electronics. <i>Advanced Science</i> , 2021, 8, e2004438.	5.6	66
8	Inversion Domain Boundary Induced Stacking and Bandstructure Diversity in Bilayer $\text{MoSe}_2$ . <i>Nano Letters</i> , 2017, 17, 6653-6660.	4.5	51
9	Synthesis of $2\text{H} \times 2 \text{ WS}_2 \text{ ReS}_2$ Heterophase Structures with Atomically Sharp Interface via Hydrogen-Triggered One-Pot Growth. <i>Advanced Functional Materials</i> , 2020, 30, 1910169.	7.8	42
10	Strong Band Bowing Effects and Distinctive Optoelectronic Properties of 2H and $1\text{T} \times 2$ Phase-Tunable $\text{Mo}_x\text{Re}_{1-x}\text{S}_2$ Alloys. <i>Advanced Functional Materials</i> , 2020, 30, 2003264.	7.8	39
11	Direct Imaging of Kinetic Pathways of Atomic Diffusion in Monolayer Molybdenum Disulfide. <i>Nano Letters</i> , 2017, 17, 3383-3390.	4.5	34
12	Surface decoration accelerates the hydrogen evolution kinetics of a perovskite oxide in alkaline solution. <i>Energy and Environmental Science</i> , 2020, 13, 4249-4257.	15.6	33
13	Layer-dependent anisotropic electronic structure of freestanding quasi-two-dimensional $\text{MoS}_2$ . <i>Physical Review B</i> , 2016, 93, 115411.	1.1	32
14	Realizing the Intrinsic Anisotropic Growth of $1\text{T} \times 2 \text{ ReS}_2$ on Selected Au(101) Substrate toward Large-Scale Single Crystal Fabrication. <i>Advanced Functional Materials</i> , 2021, 31, 2102138.	7.8	27
15	Twist Angle-Dependent Optical Responses in Controllably Grown $\text{WS}_2$ Vertical Homojunctions. <i>Chemistry of Materials</i> , 2020, 32, 9721-9729.	3.2	25
16	Probing Exciton Dispersions of Freestanding Monolayer $\text{WSe}_2$ by Momentum-Resolved Electron Energy-Loss Spectroscopy. <i>Physical Review Letters</i> , 2020, 124, 087401.	2.9	24
17	Nanoheterostructures of Partially Oxidized RuNi Alloy as Bifunctional Electrocatalysts for Overall Water Splitting. <i>ChemSusChem</i> , 2020, 13, 2739-2744.	3.6	23
18	Mixed-Salt Enhanced Chemical Vapor Deposition of Two-Dimensional Transition Metal Dichalcogenides. <i>Chemistry of Materials</i> , 2021, 33, 7301-7308.	3.2	22

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19	Fabricating Dual-Atom Iron Catalysts for Efficient Oxygen Evolution Reaction: A Heteroatom Modulator Approach. <i>Angewandte Chemie</i> , 2020, 132, 16147-16156.	1.6	19
20	Atomistic dynamics of sulfur-deficient high-symmetry grain boundaries in molybdenum disulfide. <i>Nanoscale</i> , 2017, 9, 10312-10320.	2.8	18
21	Synthesis and Characterization of Ultrathin Tin-Doped Zinc Oxide Nanowires. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 4268-4272.	1.0	10
22	Semiconductors: Growth of Large-Area 2D MoS <sub>2</sub> (1-x)Se <sub>2x</sub> Semiconductor Alloys (Adv. Mater. 17/2014). <i>Advanced Materials</i> , 2014, 26, 2763-2763.	11.1	8
23	Catalytic reduction of NO <sub>x</sub> by CO over a Ni-Ga based oxide catalyst. <i>Journal of Materials Chemistry A</i> , 2015, 3, 15133-15140.	5.2	6
24	Multiple 2D Phase Transformations in Monolayer Transition Metal Chalcogenides. <i>Advanced Materials</i> , 2022, 34, e2200643.	11.1	6
25	STEM imaging artifacts with three-fold astigmatism in monolayer transition metal dichalcogenides. <i>Applied Physics Letters</i> , 2020, 116, .	1.5	5
26	Deciphering the Intense Postgap Absorptions of Monolayer Transition Metal Dichalcogenides. <i>ACS Nano</i> , 2021, 15, 7783-7789.	7.3	4
27	B21-O-05 Atomic motion in monolayer molybdenum disulfide probed by in-situ ADF-STEM. <i>Microscopy (Oxford, England)</i> , 2015, 64, i41.2-i41.	0.7	0
28	Frontispiz: Fabricating Dual-Atom Iron Catalysts for Efficient Oxygen Evolution Reaction: A Heteroatom Modulator Approach. <i>Angewandte Chemie</i> , 2020, 132, .	1.6	0
29	Frontispiece: Fabricating Dual-Atom Iron Catalysts for Efficient Oxygen Evolution Reaction: A Heteroatom Modulator Approach. <i>Angewandte Chemie - International Edition</i> , 2020, 59, .	7.2	0
30	Defect Physics in 2D Nanomaterials Explored by STEM/STM. , 2020, , 21-48.		0