

# Jinhua Hong

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

2,953  
citations

430874

18  
h-index

552781

26  
g-index

31  
all docs

31  
docs citations

31  
times ranked

5859  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Multiple 2D Phase Transformations in Monolayer Transition Metal Chalcogenides. <i>Advanced Materials</i> , 2022, 34, e2200643.  | 21.0 | 6         |
| 2  | Deciphering the Intense Postgap Absorptions of Monolayer Transition Metal Dichalcogenides. <i>ACS Nano</i> , 2021, 15, 7783-7789.   | 14.6 | 4         |
| 3  | Realizing the Intrinsic Anisotropic Growth of $1T\text{-}2\text{ReS}_2$ on Selected Au(101) Substrate toward Large-Scale Single Crystal Fabrication. <i>Advanced Functional Materials</i> , 2021, 31, 2102138.        | 14.9 | 27        |
| 4  | Tunable Doping of Rhenium and Vanadium into Transition Metal Dichalcogenides for Two-Dimensional Electronics. <i>Advanced Science</i> , 2021, 8, e2004438.  | 11.2 | 66        |
| 5  | Mixed-Salt Enhanced Chemical Vapor Deposition of Two-Dimensional Transition Metal Dichalcogenides. <i>Chemistry of Materials</i> , 2021, 33, 7301-7308.   | 6.7  | 22        |
| 6  | Twist Angle-Dependent Optical Responses in Controllably Grown $WS_2$ Vertical Homo Junctions. <i>Chemistry of Materials</i> , 2020, 32, 9721-9729.  | 6.7  | 25        |
| 7  | Surface decoration accelerates the hydrogen evolution kinetics of a perovskite oxide in alkaline solution. <i>Energy and Environmental Science</i> , 2020, 13, 4249-4257.   | 30.8 | 33        |
| 8  | Frontispiz: Fabricating Dual-Atom Iron Catalysts for Efficient Oxygen Evolution Reaction: A Heteroatom Modulator Approach. <i>Angewandte Chemie</i> , 2020, 132, .  | 2.0  | 0         |
| 9  | Frontispiece: Fabricating Dual-Atom Iron Catalysts for Efficient Oxygen Evolution Reaction: A Heteroatom Modulator Approach. <i>Angewandte Chemie - International Edition</i> , 2020, 59, .                           | 13.8 | 0         |
| 10 | Fabricating Dual-Atom Iron Catalysts for Efficient Oxygen Evolution Reaction: A Heteroatom Modulator Approach. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 16013-16022.                              | 13.8 | 151       |
| 11 | Strong Band Bowing Effects and Distinctive Optoelectronic Properties of $2H$ and $1T\text{-}2$ Phase-Tunable $\text{Mo}_x\text{Re}_{1-x}\text{S}_2$ Alloys. <i>Advanced Functional Materials</i> , 2020, 30, 2003264. | 14.9 | 39        |
| 12 | STEM imaging artifacts with three-fold astigmatism in monolayer transition metal dichalcogenides. <i>Applied Physics Letters</i> , 2020, 116, .   | 3.3  | 5         |
| 13 | Fabricating Dual-Atom Iron Catalysts for Efficient Oxygen Evolution Reaction: A Heteroatom Modulator Approach. <i>Angewandte Chemie</i> , 2020, 132, 16147-16156.   | 2.0  | 19        |
| 14 | Synthesis of $2H\text{-}1T\text{-}2$ $WS_2$ - $ReS_2$ Heterophase Structures with Atomically Sharp Interface via Hydrogen-Triggered One-Pot Growth. <i>Advanced Functional Materials</i> , 2020, 30, 1910169.         | 14.9 | 42        |
| 15 | Probing Exciton Dispersions of Freestanding Monolayer $WSe_2$ by Momentum-Resolved Electron Energy-Loss Spectroscopy. <i>Physical Review Letters</i> , 2020, 124, 087401.   | 7.8  | 24        |
| 16 | Nanoheterostructures of Partially Oxidized RuNi Alloy as Bifunctional Electrocatalysts for Overall Water Splitting. <i>ChemSusChem</i> , 2020, 13, 2739-2744.   | 6.8  | 23        |
| 17 | Defect Physics in 2D Nanomaterials Explored by STEM/STM. , 2020, , 21-48.   |      | 0         |
| 18 | Fabrication of a Spherical Superstructure of Carbon Nanorods. <i>Advanced Materials</i> , 2019, 31, e1900440.   | 21.0 | 116       |

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|----|--|------|-----------|
| 19 | Atomic Defects in Two-Dimensional Materials: From Single-Atom Spectroscopy to Functionalities in Optoelectronics, Nanomagnetism, and Catalysis. <i>Advanced Materials</i> , 2017, 29, 1606434. | 21.0 | 211       |
| 20 | Atomistic dynamics of sulfur-deficient high-symmetry grain boundaries in molybdenum disulfide. <i>Nanoscale</i> , 2017, 9, 10312-10320.  | 5.6  | 18        |
| 21 | Direct Imaging of Kinetic Pathways of Atomic Diffusion in Monolayer Molybdenum Disulfide. <i>Nano Letters</i> , 2017, 17, 3383-3390.   | 9.1  | 34        |
| 22 | High Mobility 2D Palladium Diselenide Field-Effect Transistors with Tunable Ambipolar Characteristics. <i>Advanced Materials</i> , 2017, 29, 1602969.  | 21.0 | 251       |
| 23 | Inversion Domain Boundary Induced Stacking and Bandstructure Diversity in Bilayer $\text{MoSe}_2$ . <i>Nano Letters</i> , 2017, 17, 6653-6660.   | 9.1  | 51        |
| 24 | Layer-dependent anisotropic electronic structure of freestanding quasi-two-dimensional $\text{MoS}_2$ . <i>Physical Review B</i> , 2016, 93, .   | 3.2  | 32        |
| 25 | 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.  | 1.5  | 0         |
| 26 | Exploring atomic defects in molybdenum disulphide monolayers. <i>Nature Communications</i> , 2015, 6, 6293.  | 12.8 | 1,124     |
| 27 | 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.  | 10.3 | 6         |
| 28 | Plasma-assisted fabrication of monolayer phosphorene and its Raman characterization. <i>Nano Research</i> , 2014, 7, 853-859.  | 10.4 | 606       |
| 29 | Semiconductors: Growth of Large-Area 2D $\text{MoS}_2(1-x)\text{Se}_2x$ Semiconductor Alloys ( <i>Adv. Mater.</i> 17/2014). <i>Advanced Materials</i> , 2014, 26, 2763-2763.                   | 21.0 | 8         |
| 30 | Synthesis and Characterization of Ultrathin Tin-Doped Zinc Oxide Nanowires. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 4268-4272.  | 2.0  | 10        |