

# Jisong Hu

## List of Publications by Year in descending order

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23  
papers

1,079  
citations

430874

18  
h-index

642732

23  
g-index

23  
all docs

23  
docs citations

23  
times ranked

1175  
citing authors

#	ARTICLE	IF	CITATIONS
1	Unlocking the Potential of Oxygen-Deficient Copper-Doped Co <sub>3</sub> O <sub>4</sub> Nanocrystals Confined in Carbon as an Advanced Electrode for Flexible Solid-State Supercapacitors. ACS Energy Letters, 2021, 6, 3011-3019.	17.4	173
2	N <sub>2</sub> reduction using single transition-metal atom supported on defective WS <sub>2</sub> monolayer as promising catalysts: A DFT study. Applied Surface Science, 2019, 489, 684-692.	6.1	88
3	Realizing Superior Redox Kinetics of Hollow Bimetallic Sulfide Nanoarchitectures by Defect-Induced Manipulation toward Flexible Solid-State Supercapacitors. Small, 2022, 18, e2104507.	10.0	85
4	A promising strategy to tune the Schottky barrier of a MoS <sub>2</sub> (1-x)Se <sub>2x</sub> /graphene heterostructure by asymmetric Se doping. Journal of Materials Chemistry C, 2019, 7, 7798-7805.	5.5	72
5	Evidence of direct Z-scheme g-C <sub>3</sub> N <sub>4</sub> /WS <sub>2</sub> nanocomposite under interfacial coupling: First-principles study. Journal of Alloys and Compounds, 2019, 788, 1-9.	5.5	62
6	Interfacial internal electric field and oxygen vacancies synergistically enhance photocatalytic performance of bismuth oxychloride. Journal of Hazardous Materials, 2021, 402, 123470.	12.4	60
7	Construction of 2D all-solid-state Z-scheme g-C <sub>3</sub> N <sub>4</sub> /BiOI/RGO hybrid structure immobilized on Ni foam for CO <sub>2</sub> reduction and pollutant degradation. Materials Research Bulletin, 2020, 122, 110682.	5.2	56
8	Probing interfacial electronic properties of graphene/CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> heterojunctions: A theoretical study. Applied Surface Science, 2018, 440, 35-41.	6.1	54
9	New Understanding on Enhanced Photocatalytic Activity of g-C <sub>3</sub> N <sub>4</sub> /BiPO <sub>4</sub> Heterojunctions by Effective Interfacial Coupling. ACS Applied Nano Materials, 2018, 1, 5507-5515.	5.0	52
10	Self-assembled polymer phenylethynylcopper nanowires for photoelectrochemical and photocatalytic performance under visible light. Applied Catalysis B: Environmental, 2018, 226, 616-623.	20.2	47
11	Suppressing cathode dissolution <i>via</i> guest engineering for durable aqueous zinc-ion batteries. Journal of Materials Chemistry A, 2021, 9, 7631-7639.	10.3	47
12	An In Situ Artificial Cathode Electrolyte Interphase Strategy for Suppressing Cathode Dissolution in Aqueous Zinc Ion Batteries. Small Methods, 2021, 5, e2100094.	8.6	43
13	Surface-Electron Coupling for Efficient Hydrogen Evolution. Angewandte Chemie - International Edition, 2019, 58, 17709-17717.	13.8	42
14	Enhanced reduction and oxidation capability over the CeO <sub>2</sub> /g-C <sub>3</sub> N <sub>4</sub> hybrid through surface carboxylation: performance and mechanism. Catalysis Science and Technology, 2020, 10, 4712-4725.	4.1	30
15	Critical roles of molybdate anions in enhancing capacitive and oxygen evolution behaviors of LDH@PANI nanohybrids. Chinese Journal of Catalysis, 2021, 42, 980-993.	14.0	30
16	Rational Construction of Z-scheme CuInS <sub>2</sub> /Au/g-C <sub>3</sub> N <sub>4</sub> Heterostructure: Experimental Results and Theoretical Calculation. ChemCatChem, 2019, 11, 6372-6383.	3.7	28
17	Novel recyclable BiOBr/Fe <sub>3</sub> O <sub>4</sub> /RGO composites with remarkable visible-light photocatalytic activity. RSC Advances, 2020, 10, 19961-19973.	3.6	28
18	Controlling electronic properties of MoS <sub>2</sub> /graphene oxide heterojunctions for enhancing photocatalytic performance: the role of oxygen. Physical Chemistry Chemical Physics, 2018, 20, 1974-1983.	2.8	24

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19	Insights into the mechanism of the enhanced visible-light photocatalytic activity of a MoS <sub>2</sub> /BiOI heterostructure with interfacial coupling. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 22349-22356.	2.8	13
20	Insights into Zn anode surface chemistry for dendrite-free Zn ion batteries. <i>Journal of Materials Chemistry A</i> , 2022, 10, 11288-11297.	10.3	13
21	Band alignment of Zr <sub>2</sub> CO <sub>2</sub> /MoS <sub>2</sub> heterostructures under an electric field. <i>New Journal of Chemistry</i> , 2021, 45, 16520-16528.	2.8	12
22	First-Principles Calculations of Graphene-Coated CH <sub>3</sub> NH <sub>3</sub> Pb <sub>3</sub> toward Stable Perovskite Solar Cells in Humid Environments. <i>ACS Applied Nano Materials</i> , 2020, 3, 7704-7712.	5.0	11
23	Structures and energetics of low-index stoichiometric BiPO <sub>4</sub> surfaces. <i>CrystEngComm</i> , 2019, 21, 4730-4739.	2.6	9