

Jisong Hu

List of Publications by Year in descending order

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Version: 2024-02-01

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 | Realizing Superior Redox Kinetics of Hollow Bimetallic Sulfide Nanoarchitectures by Defect-Induced Manipulation toward Flexible Solid-State Supercapacitors. <i>Small</i> , 2022, 18, e2104507. | 10.0 | 85 |
| 2 | 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 |
| 3 | Interfacial internal electric field and oxygen vacancies synergistically enhance photocatalytic performance of bismuth oxychloride. <i>Journal of Hazardous Materials</i> , 2021, 402, 123470. | 12.4 | 60 |
| 4 | Critical roles of molybdate anions in enhancing capacitive and oxygen evolution behaviors of LDH@PANI nanohybrids. <i>Chinese Journal of Catalysis</i> , 2021, 42, 980-993. | 14.0 | 30 |
| 5 | Suppressing cathode dissolution via guest engineering for durable aqueous zinc-ion batteries. <i>Journal of Materials Chemistry A</i> , 2021, 9, 7631-7639. | 10.3 | 47 |
| 6 | Band alignment of Zr_2CO_2/MoS_2 heterostructures under an electric field. <i>New Journal of Chemistry</i> , 2021, 45, 16520-16528. | 2.8 | 12 |
| 7 | An In Situ Artificial Cathode Electrolyte Interphase Strategy for Suppressing Cathode Dissolution in Aqueous Zinc Ion Batteries. <i>Small Methods</i> , 2021, 5, e2100094. | 8.6 | 43 |
| 8 | Unlocking the Potential of Oxygen-Deficient Copper-Doped Co_3O_4 Nanocrystals Confined in Carbon as an Advanced Electrode for Flexible Solid-State Supercapacitors. <i>ACS Energy Letters</i> , 2021, 6, 3011-3019. | 17.4 | 173 |
| 9 | Construction of 2D all-solid-state Z-scheme $g-C_3N_4/BiOI/RGO$ hybrid structure immobilized on Ni foam for CO_2 reduction and pollutant degradation. <i>Materials Research Bulletin</i> , 2020, 122, 110682. | 5.2 | 56 |
| 10 | First-Principles Calculations of Graphene-Coated $CH_3NH_3Pb_3$ toward Stable Perovskite Solar Cells in Humid Environments. <i>ACS Applied Nano Materials</i> , 2020, 3, 7704-7712. | 5.0 | 11 |
| 11 | Insights into the mechanism of the enhanced visible-light photocatalytic activity of a $MoS_2/BiOI$ heterostructure with interfacial coupling. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 22349-22356. | 2.8 | 13 |
| 12 | Novel recyclable $BiOBr/Fe_3O_4/RGO$ composites with remarkable visible-light photocatalytic activity. <i>RSC Advances</i> , 2020, 10, 19961-19973. | 3.6 | 28 |
| 13 | Enhanced reduction and oxidation capability over the $CeO_2/g-C_3N_4$ hybrid through surface carboxylation: performance and mechanism. <i>Catalysis Science and Technology</i> , 2020, 10, 4712-4725. | 4.1 | 30 |
| 14 | Structures and energetics of low-index stoichiometric $BiPO_4$ surfaces. <i>CrystEngComm</i> , 2019, 21, 4730-4739. | 2.6 | 9 |
| 15 | Surface-Electron Coupling for Efficient Hydrogen Evolution. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 17709-17717. | 13.8 | 42 |
| 16 | Rational Construction of Z-scheme $CuInS_2/Au/g-C_3N_4$ Heterostructure: Experimental Results and Theoretical Calculation. <i>ChemCatChem</i> , 2019, 11, 6372-6383. | 3.7 | 28 |
| 17 | A promising strategy to tune the Schottky barrier of a $MoS_2(1\bar{1}x)/Se_2x/graphene$ heterostructure by asymmetric Se doping. <i>Journal of Materials Chemistry C</i> , 2019, 7, 7798-7805. | 5.5 | 72 |
| 18 | N_2 reduction using single transition-metal atom supported on defective WS_2 monolayer as promising catalysts: A DFT study. <i>Applied Surface Science</i> , 2019, 489, 684-692. | 6.1 | 88 |

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|----|--|------|-----------|
| 19 | Evidence of direct Z-scheme g-C ₃ N ₄ /WS ₂ nanocomposite under interfacial coupling: First-principles study. <i>Journal of Alloys and Compounds</i> , 2019, 788, 1-9. | 5.5 | 62 |
| 20 | Controlling electronic properties of MoS ₂ /graphene oxide heterojunctions for enhancing photocatalytic performance: the role of oxygen. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 1974-1983. | 2.8 | 24 |
| 21 | Self-assembled polymer phenylethynylcopper nanowires for photoelectrochemical and photocatalytic performance under visible light. <i>Applied Catalysis B: Environmental</i> , 2018, 226, 616-623. | 20.2 | 47 |
| 22 | Probing interfacial electronic properties of graphene/CH ₃ NH ₃ PbI ₃ heterojunctions: A theoretical study. <i>Applied Surface Science</i> , 2018, 440, 35-41. | 6.1 | 54 |
| 23 | New Understanding on Enhanced Photocatalytic Activity of g-C ₃ N ₄ /BiPO ₄ Heterojunctions by Effective Interfacial Coupling. <i>ACS Applied Nano Materials</i> , 2018, 1, 5507-5515. | 5.0 | 52 |