# Jiawei Liu

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/10002448/publications.pdf

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| 24 | 1,817 | 411340 | 721071 |
|---|---|---|---|
| papers | citations | 20 | 23 |
| | | h-index | g-index |

| 25 | 25 | 25 | 1958 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Wet-chemical synthesis of two-dimensional metal nanomaterials for electrocatalysis. National Science Review, 2022, 9, nwab142. | 4.6 | 41 |
| 2 | Synthesis of Pd<sub>3</sub>Sn and PdCuSn Nanorods with L1<sub>2</sub> Phase for Highly Efficient Electrocatalytic Ethanol Oxidation. Advanced Materials, 2022, 34, e2106115. | 11.1 | 65 |
| 3 | Preparation of fccâ€2Hâ€fcc Heterophase Pd@Ir Nanostructures for Highâ€Performance Electrochemical Hydrogen Evolution. Advanced Materials, 2022, 34, e2107399. | 11.1 | 48 |
| 4 | Influence of 12Cr1MoV Material on Tissue Properties at High Temperature and Long Operating Time. Processes, 2022, 10, 192. | 1.3 | 4 |
| 5 | Efficient and Selective CO<sub>2</sub> Reduction to Formate on Pdâ€Doped Pb<sub>3</sub>(CO<sub>3</sub>)<sub>2</sub>(OH)<sub>2</sub>: Dynamic Catalyst Reconstruction and Accelerated CO<sub>2</sub> Protonation. Small, 2022, 18, e2107885. | 5.2 | 18 |
| 6 | A Defect Engineered Electrocatalyst that Promotes High-Efficiency Urea Synthesis under Ambient Conditions. ACS Nano, 2022, 16, 8213-8222. | 7.3 | 109 |
| 7 | Reversible Al Metal Anodes Enabled by Amorphization for Aqueous Aluminum Batteries. Journal of the American Chemical Society, 2022, 144, 11444-11455. | 6.6 | 63 |
| 8 | Ultrathin Amorphous/Crystalline Heterophase Rh and Rh Alloy Nanosheets as Tandem Catalysts for Direct Indole Synthesis. Advanced Materials, 2021, 33, e2006711. | 11.1 | 68 |
| 9 | Selective Epitaxial Growth of Rh Nanorods on 2H/fcc Heterophase Au Nanosheets to Form 1D/2D Rhâ€“Au Heterostructures for Highly Efficient Hydrogen Evolution. Journal of the American Chemical Society, 2021, 143, 4387-4396. | 6.6 | 56 |
| 10 | Unconventional-Phase Crystalline Materials Constructed from Multiscale Building Blocks. Chemical Reviews, 2021, 121, 5830-5888. | 23.0 | 57 |
| 11 | Selective electrocatalytic synthesis of urea with nitrate and carbon dioxide. Nature Sustainability, 2021, 4, 868-876. | 11.5 | 264 |
| 12 | Hydrogen-Intercalation-Induced Lattice Expansion of Pd@Pt Coreâ€“Shell Nanoparticles for Highly Efficient Electrocatalytic Alcohol Oxidation. Journal of the American Chemical Society, 2021, 143, 11262-11270. | 6.6 | 121 |
| 13 | Ferromagneticâ€“Antiferromagnetic Coupling Coreâ€–Shell Nanoparticles with Spin Conservation for Water Oxidation. Advanced Materials, 2021, 33, e2101091. | 11.1 | 77 |
| 14 | Seeded Synthesis of Unconventional 2H-Phase Pd Alloy Nanomaterials for Highly Efficient Oxygen Reduction. Journal of the American Chemical Society, 2021, 143, 17292-17299. | 6.6 | 59 |
| 15 | High Thermoelectric Performance through Crystal Symmetry Enhancement in Triply Doped Diamondoid Compound Cu<sub>2</sub>SnSe<sub>3</sub>. Advanced Energy Materials, 2021, 11, 2100661. | 10.2 | 39 |
| 16 | Confined Synthesis of 2D Nanostructured Materials toward Electrocatalysis. Advanced Energy Materials, 2020, 10, 1900486. | 10.2 | 123 |
| 17 | Phase-Selective Epitaxial Growth of Heterophase Nanostructures on Unconventional 2H-Pd Nanoparticles. Journal of the American Chemical Society, 2020, 142, 18971-18980. | 6.6 | 111 |
| 18 | Crystal phase-controlled growth of PtCu and PtCo alloys on 4H Au nanoribbons for electrocatalytic ethanol oxidation reaction. Nano Research, 2020, 13, 1970-1975. | 5.8 | 32 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Ligandâ€Exchangeâ€Induced Amorphization of Pd Nanomaterials for Highly Efficient Electrocatalytic Hydrogen Evolution Reaction. Advanced Materials, 2020, 32, e1902964. | 11.1 | 164 |
| 20 | Bimetallic oxide coupled with B-doped graphene as highly efficient electrocatalyst for oxygen evolution reaction. Science China Materials, 2020, 63, 1247-1256. | 3.5 | 14 |
| 21 | Unusual 4H-phase twinned noble metal nanokites. Nature Communications, 2019, 10, 2881. | 5.8 | 25 |
| 22 | Wet-Chemical Synthesis and Applications of Semiconductor Nanomaterial-Based Epitaxial Heterostructures. Nano-Micro Letters, 2019, 11, 86. | 14.4 | 37 |
| 23 | Recent Progress in Grapheneâ€Based Nobleâ€Metal Nanocomposites for Electrocatalytic Applications. Advanced Materials, 2019, 31, e1800696. | 11.1 | 219 |
| 24 | Hard nanocrystalline gold materials prepared via high-pressure phase transformation. Nano Research, 0, , . | 5.8 | 3 |