

He Lin

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

2,082
citations

567281

15
h-index

713466

21
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23
all docs

23
docs citations

23
times ranked

4033
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Robotic Hair with Rich Sensation and Piloerection Functionalities Biomimicked by Stimuli-Responsive Materials. <i>Advanced Materials Technologies</i> , 2022, 7, . | 5.8 | 2 |
| 2 | Atomically targeting NiFe LDH to create multivacancies for OER catalysis with a small organic anchor. <i>Nano Energy</i> , 2021, 81, 105606. | 16.0 | 204 |
| 3 | Boosting electrocatalytic nitrogen reduction to ammonia in alkaline media. <i>International Journal of Energy Research</i> , 2021, 45, 19634-19644. | 4.5 | 3 |
| 4 | A Flexible Smart Monitoring System for the Conservation of Textile Relics. <i>Advanced Functional Materials</i> , 2021, 31, 2106088. | 14.9 | 5 |
| 5 | In-situ formation of bismuth nanoparticles on nickel foam for ambient ammonia synthesis via electrocatalytic nitrogen reduction. <i>Journal of Alloys and Compounds</i> , 2021, 875, 160006. | 5.5 | 10 |
| 6 | A Flexible Smart Monitoring System for the Conservation of Textile Relics (<i>Adv. Funct. Mater.</i> 48/2021). <i>Advanced Functional Materials</i> , 2021, 31, . | 14.9 | 0 |
| 7 | NaBH ₄ induces a high ratio of Ni ³⁺ /Ni ²⁺ boosting OER activity of the NiFe LDH electrocatalyst. <i>RSC Advances</i> , 2020, 10, 33475-33482. | 3.6 | 62 |
| 8 | Anomalous Photoinduced Reconstructing and Dark Self-Healing Processes on Bi ₂ O ₂ S Nanoplates. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 7832-7838. | 4.6 | 7 |
| 9 | <i>In situ</i> growth of Fe ₂ WO ₆ on WO ₃ nanosheets to fabricate heterojunction arrays for boosting solar water splitting. <i>Journal of Chemical Physics</i> , 2020, 152, 214704. | 3.0 | 19 |
| 10 | Hydrogen Evolution Reaction: One-Step Controllable Synthesis of Catalytic Ni ₄ Mo/MoO _x /Cu Nanointerfaces for Highly Efficient Water Reduction (<i>Adv. Energy Mater.</i> 41/2019). <i>Advanced Energy Materials</i> , 2019, 9, 1970162. | 19.5 | 0 |
| 11 | One-Step Controllable Synthesis of Catalytic Ni ₄ Mo/MoO _x /Cu Nanointerfaces for Highly Efficient Water Reduction. <i>Advanced Energy Materials</i> , 2019, 9, 1901454. | 19.5 | 39 |
| 12 | One-pot synthesis of manganese oxides and cobalt phosphides nanohybrids with abundant heterointerfaces in an amorphous matrix for efficient hydrogen evolution in alkaline solution. <i>Journal of Materials Chemistry A</i> , 2019, 7, 22530-22538. | 10.3 | 32 |
| 13 | From One to Two: In Situ Construction of an Ultrathin 2D-2D Closely Bonded Heterojunction from a Single-Phase Monolayer Nanosheet. <i>Journal of the American Chemical Society</i> , 2019, 141, 19715-19727. | 13.7 | 148 |
| 14 | Three-Dimensional Decoupling Co-Catalyst from a Photoabsorbing Semiconductor as a New Strategy To Boost Photoelectrochemical Water Splitting. <i>Nano Letters</i> , 2019, 19, 455-460. | 9.1 | 52 |
| 15 | Enhancing Full Water-Splitting Performance of Transition Metal Bifunctional Electrocatalysts in Alkaline Solutions by Tailoring CeO ₂ -Transition Metal Oxides-Ni Nanointerfaces. <i>ACS Energy Letters</i> , 2018, 3, 290-296. | 17.4 | 152 |
| 16 | Exploratory Study of Zn _x PbO _y Photoelectrodes for Unassisted Overall Solar Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 10918-10926. | 8.0 | 7 |
| 17 | Molecular design enabled reduction of interface trap density affords highly efficient and stable perovskite solar cells with over 83% fill factor. <i>Nano Energy</i> , 2018, 52, 300-306. | 16.0 | 112 |
| 18 | Hydrogen evolution electrocatalysis with binary-nonmetal transition metal compounds. <i>Journal of Materials Chemistry A</i> , 2017, 5, 5995-6012. | 10.3 | 142 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Engineering stepped edge surface structures of MoS ₂ sheet stacks to accelerate the hydrogen evolution reaction. <i>Energy and Environmental Science</i> , 2017, 10, 593-603. | 30.8 | 284 |
| 20 | Nanohybridization of MoS ₂ with Layered Double Hydroxides Efficiently Synergizes the Hydrogen Evolution in Alkaline Media. <i>Joule</i> , 2017, 1, 383-393. | 24.0 | 386 |
| 21 | Dimensional Engineering of a Graded 3D-2D Halide Perovskite Interface Enables Ultrahigh <i>V_{oc}</i> Enhanced Stability in the p-n Photovoltaics. <i>Advanced Energy Materials</i> , 2017, 7, 1701038. | 19.5 | 319 |
| 22 | Integration of inverse nanocone array based bismuth vanadate photoanodes and bandgap-tunable perovskite solar cells for efficient self-powered solar water splitting. <i>Journal of Materials Chemistry A</i> , 2017, 5, 19091-19097. | 10.3 | 55 |
| 23 | High-performance, stable and low-cost mesoscopic perovskite (CH ₃ NH ₃ PbI ₃) solar cells based on poly(3-hexylthiophene)-modified carbon nanotube cathodes. <i>Frontiers of Optoelectronics</i> , 2016, 9, 71-80. | 3.7 | 42 |