

He Lin

List of Publications by Year in descending order

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23
papers

2,082
citations

567281

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docs citations

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times ranked

4033
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Dimensional Engineering of a Graded 3D-2D Halide Perovskite Interface Enables Ultrahigh Enhanced Stability in the p-n Photovoltaics. <i>Advanced Energy Materials</i> , 2017, 7, 1701038.	19.5	319
3	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
4	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
5	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
6	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
7	Hydrogen evolution electrocatalysis with binary-nonmetal transition metal compounds. <i>Journal of Materials Chemistry A</i> , 2017, 5, 5995-6012.	10.3	142
8	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
9	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
10	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
11	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
12	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
13	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
14	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
15	In situ 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
16	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
17	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
18	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

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19	A Flexible Smart Monitoring System for the Conservation of Textile Relics. <i>Advanced Functional Materials</i> , 2021, 31, 2106088.	14.9	5
20	Boosting electrocatalytic nitrogen reduction to ammonia in alkaline media. <i>International Journal of Energy Research</i> , 2021, 45, 19634-19644.	4.5	3
21	Robotic Hair with Rich Sensation and Piloerection Functionalities Biomimicked by Stimuli-Responsive Materials. <i>Advanced Materials Technologies</i> , 2022, 7, .	5.8	2
22	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
23	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