

# Miran Ha

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

2,538  
citations

471509

17  
h-index

552781

26  
g-index

26  
all docs

26  
docs citations

26  
times ranked

2621  
citing authors

#	ARTICLE	IF	CITATIONS
1	Machine learning assisted high-throughput screening of transition metal single atom based superb hydrogen evolution electrocatalysts. <i>Journal of Materials Chemistry A</i> , 2022, 10, 6679-6689.	10.3	74
2	Sparse Gaussian Process Regression-Based Machine Learned First-Principles Force-Fields for Saturated, Olefinic, and Aromatic Hydrocarbons. <i>ACS Physical Chemistry Au</i> , 2022, 2, 260-264.	4.0	5
3	Unveiling the Role of Charge Transfer in Enhanced Electrochemical Nitrogen Fixation at Single-Atom Catalysts on BX Sheets (X = As, P, Sb). <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 4530-4537.	4.6	29
4	Fast atomic structure optimization with on-the-fly sparse Gaussian process potentials <sup>*</sup> . <i>Journal of Physics Condensed Matter</i> , 2022, 34, 344007.	1.8	2
5	Al <sup>δ</sup> -Doping Driven Suppression of Capacity and Voltage Fadings in 4d <sup>ε</sup> -Element Containing Li <sup>δ</sup> -ion <sup>ε</sup> -Battery Cathode Materials: Machine Learning and Density Functional Theory. <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	42
6	A universal screening strategy for the accelerated design of superior oxygen evolution/reduction electrocatalysts. <i>Journal of Materials Chemistry A</i> , 2021, 9, 3511-3519.	10.3	21
7	Effect of isocyanate crosslinkers blocked with amine derivatives on rheological and crosslinking characteristics of automotive clearcoats. <i>Korea Australia Rheology Journal</i> , 2021, 33, 37-43.	1.7	6
8	Dual-curable isocyanate crosslinking agents blocked by methacrylate-functionalized pyrazoles with lower curing temperature. <i>Progress in Organic Coatings</i> , 2021, 161, 106501.	3.9	4
9	Tuning metal single atoms embedded in N <sub>x</sub> C <sub>y</sub> moieties toward high-performance electrocatalysis. <i>Energy and Environmental Science</i> , 2021, 14, 3455-3468.	30.8	176
10	Modulation of Cu and Rh single-atoms and nanoparticles for high-performance hydrogen evolution activity in acidic media. <i>Journal of Materials Chemistry A</i> , 2021, 9, 10326-10334.	10.3	70
11	Machine Learning of First-Principles Force-Fields for Alkane and Polyene Hydrocarbons. <i>Journal of Physical Chemistry A</i> , 2021, 125, 9414-9420.	2.5	19
12	Late Transition Metal Doped MXenes Showing Superb Bifunctional Electrocatalytic Activities for Water Splitting via Distinctive Mechanistic Pathways. <i>Advanced Energy Materials</i> , 2021, 11, 2102388.	19.5	73
13	Reactivity and Curing Efficiency of Isocyanate Cross-Linkers with Imidazole-Based Blocking Agents for Low-Temperature Curing of Automotive Clearcoats. <i>Coatings</i> , 2020, 10, 974.	2.6	13
14	Graphene-nanoplatelets-supported NiFe-MOF: high-efficiency and ultra-stable oxygen electrodes for sustained alkaline anion exchange membrane water electrolysis. <i>Energy and Environmental Science</i> , 2020, 13, 3447-3458.	30.8	197
15	Simple and Scalable Mechanochemical Synthesis of Noble Metal Catalysts with Single Atoms toward Highly Efficient Hydrogen Evolution. <i>Advanced Functional Materials</i> , 2020, 30, 2000531.	14.9	153
16	Immiscible bi-metal single-atoms driven synthesis of electrocatalysts having superb mass-activity and durability. <i>Applied Catalysis B: Environmental</i> , 2020, 270, 118896.	20.2	102
17	Superb water splitting activity of the electrocatalyst Fe <sub>3</sub> Co(PO <sub>4</sub> ) <sub>4</sub> designed with computation aid. <i>Nature Communications</i> , 2019, 10, 5195.	12.8	120
18	Pt-like hydrogen evolution on a V <sub>2</sub> O <sub>5</sub> /Ni(OH) <sub>2</sub> electrocatalyst. <i>Journal of Materials Chemistry A</i> , 2019, 7, 15794-15800.	10.3	31

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19	High-Performance Hydrogen Evolution by Ru Single Atoms and Nitrided-Ru Nanoparticles Implanted on N-Doped Graphitic Sheet. <i>Advanced Energy Materials</i> , 2019, 9, 1900931.	19.5	224
20	Single Atoms and Clusters Based Nanomaterials for Hydrogen Evolution, Oxygen Evolution Reactions, and Full Water Splitting. <i>Advanced Energy Materials</i> , 2019, 9, 1900624.	19.5	538
21	Multicomponent electrocatalyst with ultralow Pt loading and high hydrogen evolution activity. <i>Nature Energy</i> , 2018, 3, 773-782.	39.5	542
22	Intramolecular deformation of zeotype-borogermanate toward a three-dimensional porous germanium anode for high-rate lithium storage. <i>Journal of Materials Chemistry A</i> , 2018, 6, 15961-15967.	10.3	17
23	Size-dependent conformational change in halogen- $\pi$ interaction: from benzene to graphene. <i>Chemical Communications</i> , 2017, 53, 6140-6143.	4.1	19
24	Adsorption of Carbon Tetrahalides on Coronene and Graphene. <i>Journal of Physical Chemistry C</i> , 2017, 121, 14968-14974.	3.1	11