# Miran Ha

## List of Publications by Year
## in descending order

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|---|---|---|---|
| 24 papers | 2,538 citations | 471509<br>17 h-index | 552781<br>26 g-index |
| 26 all docs | 26 docs citations | 26 times ranked | 2621 citing authors |

| # | Article | IF | Citations |
|---|---------|----|-----------| 
| 1 | Multicomponent electrocatalyst with ultralow Pt loading and high hydrogen evolution activity. Nature Energy, 2018, 3, 773-782. | 39.5 | 542 |
| 2 | Single Atoms and Clusters Based Nanomaterials for Hydrogen Evolution, Oxygen Evolution Reactions, and Full Water Splitting. Advanced Energy Materials, 2019, 9, 1900624. | 19.5 | 538 |
| 3 | High‐Performance Hydrogen Evolution by Ru Single Atoms and Nitrided‐Ru Nanoparticles Implanted on N‐Doped Graphitic Sheet. Advanced Energy Materials, 2019, 9, 1900931. | 19.5 | 224 |
| 4 | Graphene-nanoplatelets-supported NiFe-MOF: high-efficiency and ultra-stable oxygen electrodes for sustained alkaline anion exchange membrane water electrolysis. Energy and Environmental Science, 2020, 13, 3447-3458. | 30.8 | 197 |
| 5 | Tuning metal single atoms embedded in $N_xC_y$ moieties toward high-performance electrocatalysis. Energy and Environmental Science, 2021, 14, 3455-3468. | 30.8 | 176 |
| 6 | Simple and Scalable Mechanochemical Synthesis of Noble Metal Catalysts with Single Atoms toward Highly Efficient Hydrogen Evolution. Advanced Functional Materials, 2020, 30, 2000531. | 14.9 | 153 |
| 7 | Superb water splitting activity of the electrocatalyst Fe3Co(PO4)4 designed with computation aid. Nature Communications, 2019, 10, 5195. | 12.8 | 120 |
| 8 | Immiscible bi-metal single-atoms driven synthesis of electrocatalysts having superb mass-activity and durability. Applied Catalysis B: Environmental, 2020, 270, 118896. | 20.2 | 102 |
| 9 | Machine learning assisted high-throughput screening of transition metal single atom based superb hydrogen evolution electrocatalysts. Journal of Materials Chemistry A, 2022, 10, 6679-6689. | 10.3 | 74 |
| 10 | Late Transition Metal Doped MXenes Showing Superb Bifunctional Electrocatalytic Activities for Water Splitting via Distinctive Mechanistic Pathways. Advanced Energy Materials, 2021, 11, 2102388. | 19.5 | 73 |
| 11 | Modulation of Cu and Rh single-atoms and nanoparticles for high-performance hydrogen evolution activity in acidic media. Journal of Materials Chemistry A, 2021, 9, 10326-10334. | 10.3 | 70 |
| 12 | Al‐Doping Driven Suppression of Capacity and Voltage Fadings in 4d‐Element Containing Li‐Ion‐Battery Cathode Materials: Machine Learning and Density Functional Theory. Advanced Energy Materials, 2022, 12, . | 19.5 | 42 |
| 13 | Pt-like hydrogen evolution on a $V_2O_5$/Ni(OH)$_2$ electrocatalyst. Journal of Materials Chemistry A, 2019, 7, 15794-15800. | 10.3 | 31 |
| 14 | Unveiling the Role of Charge Transfer in Enhanced Electrochemical Nitrogen Fixation at Single-Atom Catalysts on BX Sheets (X = As, P, Sb). Journal of Physical Chemistry Letters, 2022, 13, 4530-4537. | 4.6 | 29 |
| 15 | A universal screening strategy for the accelerated design of superior oxygen evolution/reduction electrocatalysts. Journal of Materials Chemistry A, 2021, 9, 3511-3519. | 10.3 | 21 |
| 16 | Size-dependent conformational change in halogen–π interaction: from benzene to graphene. Chemical Communications, 2017, 53, 6140-6143. | 4.1 | 19 |
| 17 | Machine Learning of First-Principles Force-Fields for Alkane and Polyene Hydrocarbons. Journal of Physical Chemistry A, 2021, 125, 9414-9420. | 2.5 | 19 |
| 18 | Intramolecular deformation of zeotype-borogermanate toward a three-dimensional porous germanium anode for high-rate lithium storage. Journal of Materials Chemistry A, 2018, 6, 15961-15967. | 10.3 | 17 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 19 | Reactivity and Curing Efficiency of Isocyanate Cross-Linkers with Imidazole-Based Blocking Agents for Low-Temperature Curing of Automotive Clearcoats. Coatings, 2020, 10, 974. | 2.6 | 13 |
| 20 | Adsorption of Carbon Tetrahalides on Coronene and Graphene. Journal of Physical Chemistry C, 2017, 121, 14968-14974. | 3.1 | 11 |
| 21 | Effect of isocyanate crosslinkers blocked with amine derivatives on rheological and crosslinking characteristics of automotive clearcoats. Korea Australia Rheology Journal, 2021, 33, 37-43. | 1.7 | 6 |
| 22 | Sparse Gaussian Process Regression-Based Machine Learned First-Principles Force-Fields for Saturated, Olefinic, and Aromatic Hydrocarbons. ACS Physical Chemistry Au, 2022, 2, 260-264. | 4.0 | 5 |
| 23 | Dual-curable isocyanate crosslinking agents blocked by methacrylate-functionalized pyrazoles with lower curing temperature. Progress in Organic Coatings, 2021, 161, 106501. | 3.9 | 4 |
| 24 | Fast atomic structure optimization with on-the-fly sparse Gaussian process potentials [*]. Journal of Physics Condensed Matter, 2022, 34, 344007. | 1.8 | 2 |