

# Ruijie Gao

## List of Publications by Year in descending order

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Version: 2024-02-01

16  
papers

1,366  
citations

623734

14  
h-index

940533

16  
g-index

16  
all docs

16  
docs citations

16  
times ranked

1354  
citing authors

#	ARTICLE	IF	CITATIONS
1	Pt/Fe <sub>2</sub> O <sub>3</sub> with Pt-Fe pair sites as a catalyst for oxygen reduction with ultralow Pt loading. <i>Nature Energy</i> , 2021, 6, 614-623.	39.5	274
2	Ultradispersed Nickel Phosphide on Phosphorus-Doped Carbon with Tailored d-Band Center for Efficient and Chemoselective Hydrogenation of Nitroarenes. <i>ACS Catalysis</i> , 2018, 8, 8420-8429.	11.2	153
3	Liquid-FEP-based U-tube triboelectric nanogenerator for harvesting water-wave energy. <i>Nano Research</i> , 2018, 11, 4062-4073.	10.4	143
4	Metal-defected spinel Mn <sub>x</sub> Co <sub>3-x</sub> O <sub>4</sub> with octahedral Mn-enriched surface for highly efficient oxygen reduction reaction. <i>Applied Catalysis B: Environmental</i> , 2019, 244, 536-545.	20.2	140
5	Surface Design Strategy of Catalysts for Water Electrolysis. <i>Small</i> , 2022, 18, .	10.0	138
6	Engineering Facets and Oxygen Vacancies over Hematite Single Crystal for Intensified Electrochemical H <sub>2</sub> O <sub>2</sub> Production. <i>Advanced Functional Materials</i> , 2020, 30, 1910539.	14.9	90
7	Breaking Trade-off between Selectivity and Activity of Nickel-Based Hydrogenation Catalysts by Tuning Both Steric Effect and d-Band Center. <i>Advanced Science</i> , 2019, 6, 1900054.	11.2	69
8	Pd/Fe <sub>2</sub> O <sub>3</sub> with Electronic Coupling Single-Site Pd-Fe Pair Sites for Low-Temperature Semihydrogenation of Alkynes. <i>Journal of the American Chemical Society</i> , 2022, 144, 573-581.	13.7	69
9	Direct-Current Rotary-Tubular Triboelectric Nanogenerators Based on Liquid-Dielectrics Contact for Sustainable Energy Harvesting and Chemical Composition Analysis. <i>ACS Nano</i> , 2019, 13, 2587-2598.	14.6	66
10	FeNiP/MoO <sub>x</sub> integrated electrode grown on monocrystalline NiMoO <sub>4</sub> nanorods with multi-interface for accelerating alkaline hydrogen evolution reaction. <i>Applied Catalysis B: Environmental</i> , 2022, 303, 120913.	20.2	55
11	Phosphorus-Doped and Lattice-Defective Carbon as Metal-like Catalyst for the Selective Hydrogenation of Nitroarenes. <i>ChemCatChem</i> , 2017, 9, 4287-4294.	3.7	53
12	Promotion of Nitrogen Reserve and Electronic Regulation in Bamboo-like Carbon Tubules by Cobalt Nanoparticles for Highly Efficient ORR. <i>ACS Applied Energy Materials</i> , 2020, 3, 2323-2330.	5.1	39
13	Hydrogen-Catalyzed Acid Transformation for the Hydration of Alkenes and Epoxy Alkanes over Co-N Frustrated Lewis Pair Surfaces. <i>Journal of the American Chemical Society</i> , 2021, 143, 21294-21301.	13.7	33
14	Grain boundaries modified uniformly-conjoint metal/oxides via binder strategy as efficient bifunctional electrocatalysts. <i>Journal of Materials Chemistry A</i> , 2019, 7, 10010-10018.	10.3	27
15	Manipulating the Conversion Kinetics of Polysulfides by Engineering Oxygen p-Band of Halloysite for Improved Li-S Batteries. <i>Small</i> , 2021, , 2105661.	10.0	11
16	Contrasting Photochemical Activity of Two Sub-layers for Natural 2D Nanoclay with an Asymmetric Layer Structure. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 59431-59439.	8.0	6