

Fang Luo

List of Publications by Year in descending order

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Version: 2024-02-01

10
papers

1,819
citations

933447

10
h-index

1372567

10
g-index

10
all docs

10
docs citations

10
times ranked

2703
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient CO ₂ to CO electrolysis on solid Ni ⁰ -N ⁰ -C catalysts at industrial current densities. <i>Energy and Environmental Science</i> , 2019, 12, 640-647.	30.8	357
2	The Achilles' heel of iron-based catalysts during oxygen reduction in an acidic medium. <i>Energy and Environmental Science</i> , 2018, 11, 3176-3182.	30.8	332
3	P-block single-metal-site tin/nitrogen-doped carbon fuel cell cathode catalyst for oxygen reduction reaction. <i>Nature Materials</i> , 2020, 19, 1215-1223.	27.5	278
4	An efficient bifunctional two-component catalyst for oxygen reduction and oxygen evolution in reversible fuel cells, electrolyzers and rechargeable air electrodes. <i>Energy and Environmental Science</i> , 2016, 9, 2020-2024.	30.8	221
5	Unraveling Mechanistic Reaction Pathways of the Electrochemical CO ₂ Reduction on Fe ⁰ -N ⁰ -C Single-Site Catalysts. <i>ACS Energy Letters</i> , 2019, 4, 1663-1671.	17.4	138
6	The chemical identity, state and structure of catalytically active centers during the electrochemical CO ₂ reduction on porous Fe ⁰ -nitrogen ⁰ -carbon (Fe ⁰ -N ⁰ -C) materials. <i>Chemical Science</i> , 2018, 9, 5064-5073.	7.4	128
7	Deconvolution of Utilization, Site Density, and Turnover Frequency of Fe ⁰ -Nitrogen ⁰ -Carbon Oxygen Reduction Reaction Catalysts Prepared with Secondary N-Precursors. <i>ACS Catalysis</i> , 2018, 8, 1640-1647.	11.2	126
8	Advancements in cathode catalyst and cathode layer design for proton exchange membrane fuel cells. <i>Nature Communications</i> , 2021, 12, 5984.	12.8	120
9	Accurate Evaluation of Active-Site Density (SD) and Turnover Frequency (TOF) of PGM-Free Metal ⁰ -Nitrogen-Doped Carbon (MNC) Electrocatalysts using CO Cryo Adsorption. <i>ACS Catalysis</i> , 2019, 9, 4841-4852.	11.2	79
10	Surface site density and utilization of platinum group metal (PGM)-free Fe ⁰ -NC and FeNi ⁰ -NC electrocatalysts for the oxygen reduction reaction. <i>Chemical Science</i> , 2021, 12, 384-396.	7.4	40