

Yumin Qian

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4012997/publications.pdf>

Version: 2024-02-01

30
papers

3,055
citations

361296

20
h-index

454834

30
g-index

30
all docs

30
docs citations

30
times ranked

4237
citing authors

#	ARTICLE	IF	CITATIONS
1	Defect Engineering Metal-Free Polymeric Carbon Nitride Electrocatalyst for Effective Nitrogen Fixation under Ambient Conditions. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 10246-10250.	7.2	619
2	Dual Tuning of Ni-Co-A (A = P, Se, O) Nanosheets by Anion Substitution and Holey Engineering for Efficient Hydrogen Evolution. <i>Journal of the American Chemical Society</i> , 2018, 140, 5241-5247.	6.6	461
3	O-coordinated W-Mo dual-atom catalyst for pH-universal electrocatalytic hydrogen evolution. <i>Science Advances</i> , 2020, 6, eaba6586.	4.7	263
4	Enhanced Surface Interactions Enable Fast Li ⁺ Conduction in Oxide/Polymer Composite Electrolyte. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 4131-4137.	7.2	242
5	Multifunctional Active-Center-Transferable Platinum/Lithium Cobalt Oxide Heterostructured Electrocatalysts towards Superior Water Splitting. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 14533-14540.	7.2	152
6	Defect Engineering Metal-Free Polymeric Carbon Nitride Electrocatalyst for Effective Nitrogen Fixation under Ambient Conditions. <i>Angewandte Chemie</i> , 2018, 130, 10403-10407.	1.6	139
7	Polar polymer-solvent interaction derived favorable interphase for stable lithium metal batteries. <i>Energy and Environmental Science</i> , 2019, 12, 3319-3327.	15.6	122
8	Room-Temperature All-Liquid Metal Batteries Based on Fusible Alloys with Regulated Interfacial Chemistry and Wetting. <i>Advanced Materials</i> , 2020, 32, e2002577.	11.1	102
9	Probing Enhanced Site Activity of Co-Fe Bimetallic Subnanoclusters Derived from Dual Cross-Linked Hydrogels for Oxygen Electrocatalysis. <i>ACS Energy Letters</i> , 2019, 4, 1793-1802.	8.8	99
10	A Liquid-Metal-Enabled Versatile Organic Alkali-Ion Battery. <i>Advanced Materials</i> , 2019, 31, e1806956.	11.1	99
11	A graphite intercalation compound associated with liquid Na-K towards ultra-stable and high-capacity alkali metal anodes. <i>Energy and Environmental Science</i> , 2019, 12, 1989-1998.	15.6	90
12	Gel-Derived Amorphous Bismuth-Nickel Alloy Promotes Electrocatalytic Nitrogen Fixation via Optimizing Nitrogen Adsorption and Activation. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 4275-4281.	7.2	90
13	Biredox Eutectic Electrolytes Derived from Organic Redox-Active Molecules: High-Energy Storage Systems. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 7045-7050.	7.2	82
14	Reversible redox chemistry in azobenzene-based organic molecules for high-capacity and long-life nonaqueous redox flow batteries. <i>Nature Communications</i> , 2020, 11, 3843.	5.8	76
15	Single vs double atom catalyst for N ₂ activation in nitrogen reduction reaction: A DFT perspective. <i>EcoMat</i> , 2020, 2, e12014.	6.8	75
16	Molecular Engineering of Azobenzene-Based Anolytes Towards High-Capacity Aqueous Redox Flow Batteries. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 22163-22170.	7.2	65
17	In Situ Formation of Liquid Metals via Galvanic Replacement Reaction to Build Dendrite-Free Alkali-Metal-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 12170-12177.	7.2	41
18	New insights into the effect of pH on the mechanism of ofloxacin electrochemical detection in aqueous solution. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 16282-16287.	1.3	30

#	ARTICLE	IF	CITATIONS
19	Enhanced Surface Interactions Enable Fast Li ⁺ Conduction in Oxide/Polymer Composite Electrolyte. <i>Angewandte Chemie</i> , 2020, 132, 4160-4166.	1.6	27
20	General Design Methodology for Organic Eutectic Electrolytes toward High-Energy-Density Redox Flow Batteries. <i>Advanced Materials</i> , 2021, 33, e2008560.	11.1	25
21	High-Performance P2-Na _{0.70} Mn _{0.80} Co _{0.15} Zr _{0.05} O ₂ Cathode for Sodium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 42380-42386.	4.0	22
22	Low-Temperature Multielement Fusible Alloy-Based Molten Sodium Batteries for Grid-Scale Energy Storage. <i>ACS Central Science</i> , 2020, 6, 2287-2293.	5.3	21
23	Solvent-Dependent Intercalation and Molecular Configurations in Metallocene-Layered Crystal Superlattices. <i>Nano Letters</i> , 2018, 18, 6071-6075.	4.5	19
24	Biredox Eutectic Electrolytes Derived from Organic Redox-Active Molecules: High-Energy Storage Systems. <i>Angewandte Chemie</i> , 2019, 131, 7119-7124.	1.6	19
25	Molecular Engineering of Azobenzene-Based Anolytes Towards High-Capacity Aqueous Redox Flow Batteries. <i>Angewandte Chemie</i> , 2020, 132, 22347-22354.	1.6	19
26	Multifunctional Active-Center-Transferable Platinum/Lithium Cobalt Oxide Heterostructured Electrocatalysts towards Superior Water Splitting. <i>Angewandte Chemie</i> , 2020, 132, 14641-14648.	1.6	17
27	Improving selectivity of CO reduction <i>via</i> reducing the coordination of critical intermediates. <i>Journal of Materials Chemistry A</i> , 2019, 7, 24000-24004.	5.2	14
28	Gel-Derived Amorphous Bismuth-Nickel Alloy Promotes Electrocatalytic Nitrogen Fixation via Optimizing Nitrogen Adsorption and Activation. <i>Angewandte Chemie</i> , 2021, 133, 4321-4327.	1.6	10
29	In Situ Formation of Liquid Metals via Galvanic Replacement Reaction to Build Dendrite-Free Alkali-Metal-Ion Batteries. <i>Angewandte Chemie</i> , 2020, 132, 12268-12275.	1.6	9
30	Understanding Charge Storage in Hydrated Layered Solids MOPO ₄ (M = V, Nb) with Tunable Interlayer Chemistry. <i>ACS Nano</i> , 2020, 14, 13824-13833.	7.3	6