

# Qiuju Zhang

## List of Publications by Year in descending order

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32  
papers

1,796  
citations

304743

22  
h-index

414414

32  
g-index

32  
all docs

32  
docs citations

32  
times ranked

3115  
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal-Organic Frameworks for Carbon Dioxide Capture and Methane Storage. <i>Advanced Energy Materials</i> , 2017, 7, 1601296.	19.5	334
2	Selective phosphidation: an effective strategy toward CoP/CeO <sub>2</sub> interface engineering for superior alkaline hydrogen evolution electrocatalysis. <i>Journal of Materials Chemistry A</i> , 2018, 6, 1985-1990.	10.3	212
3	A Ni(OH) <sub>2</sub> @PtO <sub>2</sub> hybrid nanosheet array with ultralow Pt loading toward efficient and durable alkaline hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2018, 6, 1967-1970.	10.3	134
4	Ammonia Thermal Treatment toward Topological Defects in Porous Carbon for Enhanced Carbon Dioxide Electroreduction. <i>Advanced Materials</i> , 2020, 32, e2001300.	21.0	130
5	A Co-Doped Nanorod-like RuO <sub>2</sub> Electrocatalyst with Abundant Oxygen Vacancies for Acidic Water Oxidation. <i>IScience</i> , 2020, 23, 100756.	4.1	125
6	First-Principles Study of Microporous Magnets M-MOF-74 (M = Ni, Co, Fe, Mn): the Role of Metal Centers. <i>Inorganic Chemistry</i> , 2013, 52, 9356-9362.	4.0	94
7	Kinetically Stabilized Pd@Pt Core-Shell Octahedral Nanoparticles with Thin Pt Layers for Enhanced Catalytic Hydrogenation Performance. <i>ACS Catalysis</i> , 2015, 5, 1335-1343.	11.2	72
8	Highly efficient N <sub>2</sub> fixation catalysts: transition-metal carbides M <sub>2</sub> C (MXenes). <i>Nanoscale</i> , 2020, 12, 538-547.	5.6	71
9	Atomically Dispersed High-Density Al <sup>3+</sup> N <sub>4</sub> Sites in Porous Carbon for Efficient Photodriven CO <sub>2</sub> Cycloaddition. <i>Advanced Materials</i> , 2021, 33, e2103186.	21.0	69
10	A platinum oxide decorated amorphous cobalt oxide hydroxide nanosheet array towards alkaline hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2018, 6, 3864-3868.	10.3	67
11	Phase-selective synthesis of self-supported RuP films for efficient hydrogen evolution electrocatalysis in alkaline media. <i>Nanoscale</i> , 2018, 10, 13930-13935.	5.6	67
12	Sublayer Stable Fe Dopant in Porous Pd Metallene Boosts Oxygen Reduction Reaction. <i>ACS Nano</i> , 2022, 16, 522-532.	14.6	52
13	Insights into High Conductivity of the Two-Dimensional Iodine-Oxidized sp <sup>2</sup> -c-COF. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 43595-43602.	8.0	37
14	Mg-Doping improves the performance of Ru-based electrocatalysts for the acidic oxygen evolution reaction. <i>Chemical Communications</i> , 2020, 56, 1749-1752.	4.1	36
15	Catalyzed activation of CO <sub>2</sub> by a Lewis-base site in W@Cu@BTC hybrid metal organic frameworks. <i>Chemical Science</i> , 2012, 3, 2708.	7.4	32
16	Enhanced hydrolytic stability of sulfonated polyimide ionomers using bis(naphthalic anhydrides) with low electron affinity. <i>Journal of Materials Chemistry A</i> , 2013, 1, 10412.	10.3	31
17	Cobalt-Borate Nanoarray: An Efficient and Durable Electrocatalyst for Water Oxidation under Benign Conditions. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 15383-15387.	8.0	30
18	Ligand Defect Density Regulation in Metal-Organic Frameworks by Functional Group Engineering on Linkers. <i>Nano Letters</i> , 2022, 22, 838-845.	9.1	29

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19	Dental Resin Monomer Enables Unique NbO <sub>2</sub> /Carbon Lithium-Ion Battery Negative Electrode with Exceptional Performance. <i>Advanced Functional Materials</i> , 2019, 29, 1904961.	14.9	26
20	Synthesis and characterization of transparent polyimides derived from ester-containing dianhydrides with different electron affinities. <i>RSC Advances</i> , 2015, 5, 79207-79215.	3.6	25
21	Sol-gel auto-combustion synthesis of Ni-Ce-ZrO <sub>2</sub> catalysts for carbon dioxide reforming of methane. <i>RSC Advances</i> , 2013, 3, 22285.	3.6	24
22	Visible/infrared light-driven high-efficiency CO <sub>2</sub> conversion into ethane based on a Co synergistic catalyst. <i>Journal of Materials Chemistry A</i> , 2020, 8, 22327-22334.	10.3	24
23	Surface Modifications of TiCO <sub>2</sub> for Obtaining High Hydrogen Evolution Reaction Activity and Conductivity: A Computational Approach. <i>ChemPhysChem</i> , 2018, 19, 3380-3387.	2.1	20
24	Origin of Rh and Pd agglomeration on the $\frac{CeO_2}{TiO_2}$ Physical Review B, 2010, 82, .	3.2	18
25	Ultrathin-Nanosheets-Composed CoSP Nanobrushes as an All-pH Highly Efficient Catalyst toward Hydrogen Evolution. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 15618-15623.	6.7	14
26	Surface-termination-dependent Pd bonding and aggregation of nanoparticles on LaFeO <sub>3</sub> (001). <i>Journal of Chemical Physics</i> , 2013, 138, 144705.	3.0	10
27	A first-principles study of CO oxidation by surface oxygen on Pt-incorporated perovskite catalyst (CaPt <sub>x</sub> Ti <sub>1-x</sub> O <sub>3</sub> ). <i>RSC Advances</i> , 2014, 4, 30530-30535.	3.6	5
28	The isomeric effect on the adjacent Si dimer didechlorination of trans and iso-dichloroethylene on Si(100)-2x1. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 7121.	2.8	2
29	Theoretical Screening of Transition Metal Doped Defective MoS <sub>2</sub> as Efficient Electrocatalyst for CO Conversion to CH <sub>4</sub> . <i>ChemPhysChem</i> , 2022, 23, .	2.1	2
30	Theoretical Study on the Electrochemical Catalytic Activity of Au-Doped Pt Electrode for Nitrogen Monoxide. <i>Chemosensors</i> , 2022, 10, 178.	3.6	2
31	Transition Metal Nanostructures: Formation and Stability of Low-Dimensional Structures for Group VIII B and IB Transition Metals: The Role of sd <sup>4</sup> Hybridization ( <i>Adv. Sci.</i> 4/2016). <i>Advanced Science</i> , 2016, 3, .	11.2	1
32	Different Bonding Defects on Dual-Metal Single-Atom Electrocatalyst CoZnN <sub>6</sub> (OH) for Oxygen Reduction Reaction. <i>ChemPhysChem</i> , 2022, .	2.1	1