

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	Theoretical Screening of Transition Metal Doped Defective MoS ₂ as Efficient Electrocatalyst for CO Conversion to CH ₄ . ChemPhysChem, 2022, 23, .	2.1	2
2	Ligand Defect Density Regulation in Metal-Organic Frameworks by Functional Group Engineering on Linkers. Nano Letters, 2022, 22, 838-845.	9.1	29
3	Different Bonding Defects on Dual-Metal Single-Atom Electrocatalyst CoZn ₆ (OH) for Oxygen Reduction Reaction. ChemPhysChem, 2022, .	2.1	1
4	Sublayer Stable Fe Dopant in Porous Pd Metallene Boosts Oxygen Reduction Reaction. ACS Nano, 2022, 16, 522-532.	14.6	52
5	Theoretical Study on the Electrochemical Catalytic Activity of Au-Doped Pt Electrode for Nitrogen Monoxide. Chemosensors, 2022, 10, 178.	3.6	2
6	Atomically Dispersed High-Density Al ₄ N Sites in Porous Carbon for Efficient Photodriven CO ₂ Cycloaddition. Advanced Materials, 2021, 33, e2103186.	21.0	69
7	Mg-Doping improves the performance of Ru-based electrocatalysts for the acidic oxygen evolution reaction. Chemical Communications, 2020, 56, 1749-1752.	4.1	36
8	Highly efficient N ₂ fixation catalysts: transition-metal carbides M ₂ C (MXenes). Nanoscale, 2020, 12, 538-547.	5.6	71
9	A Co-Doped Nanorod-like RuO ₂ Electrocatalyst with Abundant Oxygen Vacancies for Acidic Water Oxidation. IScience, 2020, 23, 100756.	4.1	125
10	Visible/infrared light-driven high-efficiency CO ₂ conversion into ethane based on a Bi-Co synergistic catalyst. Journal of Materials Chemistry A, 2020, 8, 22327-22334.	10.3	24
11	Ammonia Thermal Treatment toward Topological Defects in Porous Carbon for Enhanced Carbon Dioxide Electroreduction. Advanced Materials, 2020, 32, e2001300.	21.0	130
12	Dental Resin Monomer Enables Unique NbO ₂ /Carbon Lithium-Ion Battery Negative Electrode with Exceptional Performance. Advanced Functional Materials, 2019, 29, 1904961.	14.9	26
13	A platinum oxide decorated amorphous cobalt oxide hydroxide nanosheet array towards alkaline hydrogen evolution. Journal of Materials Chemistry A, 2018, 6, 3864-3868.	10.3	67
14	A Ni(OH) ₂ -Pt ₂ hybrid nanosheet array with ultralow Pt loading toward efficient and durable alkaline hydrogen evolution. Journal of Materials Chemistry A, 2018, 6, 1967-1970.	10.3	134
15	Selective phosphidation: an effective strategy toward CoP/CeO ₂ interface engineering for superior alkaline hydrogen evolution electrocatalysis. Journal of Materials Chemistry A, 2018, 6, 1985-1990.	10.3	212
16	Insights into High Conductivity of the Two-Dimensional Iodine-Oxidized sp ² -c-COF. ACS Applied Materials & Interfaces, 2018, 10, 43595-43602.	8.0	37
17	Ultrathin-Nanosheets-Composed CoSP Nanobrushes as an All-pH Highly Efficient Catalyst toward Hydrogen Evolution. ACS Sustainable Chemistry and Engineering, 2018, 6, 15618-15623.	6.7	14
18	Surface Modifications of Ti ₂ CO ₂ for Obtaining High Hydrogen Evolution Reaction Activity and Conductivity: A Computational Approach. ChemPhysChem, 2018, 19, 3380-3387.	2.1	20

#	ARTICLE	IF	CITATIONS
19	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
20	Cobalt-Borate Nanoarray: An Efficient and Durable Electrocatalyst for Water Oxidation under Benign Conditions. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 15383-15387.	8.0	30
21	Metal-Organic Frameworks for Carbon Dioxide Capture and Methane Storage. <i>Advanced Energy Materials</i> , 2017, 7, 1601296.	19.5	334
22	Transition Metal Nanostructures: Formation and Stability of Low-Dimensional Structures for Group VIII B and IB Transition Metals: The Role of sd^4 Hybridization (Adv. Sci. 4/2016). <i>Advanced Science</i> , 2016, 3, .	11.2	1
23	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
24	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
25	A first-principles study of CO oxidation by surface oxygen on Pt-incorporated perovskite catalyst ($\text{CaPt}_x\text{Ti}_{1-x}\text{O}_3$). <i>RSC Advances</i> , 2014, 4, 30530-30535.	3.6	5
26	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
27	Sol-gel auto-combustion synthesis of Ni-Ce-Zr-O_2 catalysts for carbon dioxide reforming of methane. <i>RSC Advances</i> , 2013, 3, 22285.	3.6	24
28	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
29	Surface-termination-dependent Pd bonding and aggregation of nanoparticles on LaFeO_3 (001). <i>Journal of Chemical Physics</i> , 2013, 138, 144705.	3.0	10
30	Catalyzed activation of CO_2 by a Lewis-base site in W-Cu-BTC hybrid metal organic frameworks. <i>Chemical Science</i> , 2012, 3, 2708.	7.4	32
31	The isomeric effect on the adjacent Si dimer didechlorination of trans and iso-dichloroethylene on $\text{Si}(100)-2\times 1$. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 7121.	2.8	2
32	Origin of Rh and Pd agglomeration on the CeO_2 . <i>Physical Review B</i> , 2010, 82, .	3.2	18