

Yunteng Qu

List of Publications by Year in descending order

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56
papers

6,841
citations

117571

34
h-index

149623

56
g-index

57
all docs

57
docs citations

57
times ranked

6880
citing authors

#	ARTICLE	IF	CITATIONS
1	Total conversion of centimeter-scale nickel foam into single atom electrocatalysts with highly selective CO ₂ electrocatalytic reduction in neutral electrolyte. Nano Research, 2023, 16, 2003-2010.	5.8	13
2	Identification of Fenton-like active Cu sites by heteroatom modulation of electronic density. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	132
3	High-Performance Styrene Epoxidation with Vacancy-Defect Cobalt Single-Atom Catalysts. ACS Applied Materials & Interfaces, 2022, 14, 10337-10343.	4.0	15
4	Interfacial Cladding Engineering Suppresses Atomic Thermal Migration to Fabricate Well-Defined Dual-Atom Electrocatalysts. Advanced Functional Materials, 2022, 32, .	7.8	25
5	Single Ru Atoms Stabilized by Hybrid Amorphous/Crystalline FeCoNi Layered Double Hydroxide for Ultraefficient Oxygen Evolution. Advanced Energy Materials, 2021, 11, .	10.2	223
6	Coplanar Pt/C Nanomeshes with Ultrastable Oxygen Reduction Performance in Fuel Cells. Angewandte Chemie - International Edition, 2021, 60, 6533-6538.	7.2	73
7	A hierarchical heterostructure of CdS QDs confined on 3D ZnIn ₂ S ₄ with boosted charge transfer for photocatalytic CO ₂ reduction. Nano Research, 2021, 14, 81-90.	5.8	84
8	Crystalline/amorphous hetero-phase Ru nanoclusters for efficient electrocatalytic oxygen reduction and hydrogen evolution. Materials Chemistry Frontiers, 2021, 5, 6648-6658.	3.2	12
9	Coplanar Pt/C Nanomeshes with Ultrastable Oxygen Reduction Performance in Fuel Cells. Angewandte Chemie, 2021, 133, 6607-6612.	1.6	9
10	Stimuli-Responsive Manganese Single-Atom Nanozyme for Tumor Therapy via Integrated Cascade Reactions. Angewandte Chemie - International Edition, 2021, 60, 9480-9488.	7.2	271
11	Stimuli-Responsive Manganese Single-Atom Nanozyme for Tumor Therapy via Integrated Cascade Reactions. Angewandte Chemie, 2021, 133, 9566-9574.	1.6	50
12	Single Pt atom-anchored C ₃ N ₄ : A bridging Pt-N bond boosted electron transfer for highly efficient photocatalytic H ₂ generation. Chemical Engineering Journal, 2021, 412, 128749.	6.6	69
13	Manipulating Cu Nanoparticle Surface Oxidation States Tunes Catalytic Selectivity toward CH ₄ or C ₂ + Products in CO ₂ Electroreduction. Advanced Energy Materials, 2021, 11, 2101424.	10.2	71
14	Manipulating Cu Nanoparticle Surface Oxidation States Tunes Catalytic Selectivity toward CH ₄ or C ₂ + Products in CO ₂ Electroreduction (Adv. Energy) Tj ETQq0 0 0 rg02/Overlock 10 Tf 5	10.2	71
15	Electrocatalytic activity and volatile product selectivity for nitrate reduction at tin-modified Pt(100), Pd(100) and Pd-Pt(100) single crystal electrodes in acidic media. Electrochimica Acta, 2021, 398, 139281.	2.6	9
16	Biocompatible Ruthenium Single-Atom Catalyst for Cascade Enzyme-Mimicking Therapy. ACS Applied Materials & Interfaces, 2021, 13, 45269-45278.	4.0	41
17	Boosting OER performance of IrO ₂ in acid via urchin-like hierarchical-structure design. Dalton Transactions, 2021, 50, 6083-6087.	1.6	18
18	Simultaneous oxidative and reductive reactions in one system by atomic design. Nature Catalysis, 2021, 4, 134-143.	16.1	132

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19	Atomically Dispersed Pt on Screw-like Pd/Au Core-shell Nanowires for Enhanced Electrocatalysis. Chemistry - A European Journal, 2020, 26, 4019-4024.	1.7	19
20	Interfacial Engineering of W_2N/WC Heterostructures Derived from Solid-State Synthesis: A Highly Efficient Trifunctional Electrocatalyst for ORR, OER, and HER. Advanced Materials, 2020, 32, e1905679.	11.1	380
21	Construction of highly accessible single Co site catalyst for glucose detection. Science Bulletin, 2020, 65, 2100-2106.	4.3	32
22	Bi-Based Metal-Organic Framework Derived Leafy Bismuth Nanosheets for Carbon Dioxide Electroreduction. Advanced Energy Materials, 2020, 10, 2001709.	10.2	210
23	2D PbS Nanosheets with Zigzag Edges for Efficient CO_2 Photoconversion. Chemistry - A European Journal, 2020, 26, 13601-13605.	1.7	6
24	Atomic Filtration by Graphene Oxide Membranes to Access Atomically Dispersed Single Atom Catalysts. ACS Catalysis, 2020, 10, 10468-10475.	5.5	36
25	In Situ Topotactic Transformation of an Interstitial Alloy for CO Electroreduction. Advanced Materials, 2020, 32, e2002382.	11.1	56
26	Ionic Exchange of Metal-Organic Frameworks for Constructing Unsaturated Copper Single-Atom Catalysts for Boosting Oxygen Reduction Reaction. Small, 2020, 16, e2001384.	5.2	70
27	Ionic Exchange: Ionic Exchange of Metal-Organic Frameworks for Constructing Unsaturated Copper Single-Atom Catalysts for Boosting Oxygen Reduction Reaction (Small 23/2020). Small, 2020, 16, 2070129.	5.2	5
28	SnS Micro/Nanocrystals with Urchinlike Architectures for Capture of Au(III), Pt(IV), and Pd(II). ACS Applied Nano Materials, 2020, 3, 4102-4113.	2.4	15
29	Directly transforming copper (I) oxide bulk into isolated single-atom copper sites catalyst through gas-transport approach. Nature Communications, 2019, 10, 3734.	5.8	276
30	Ambient Synthesis of Single-Atom Catalysts from Bulk Metal via Trapping of Atoms by Surface Dangling Bonds. Advanced Materials, 2019, 31, e1904496.	11.1	114
31	Engineering the Atomic Layer of RuO_2 on PdO Nanosheets Boosts Oxygen Evolution Catalysis. ACS Applied Materials & Interfaces, 2019, 11, 42298-42304.	4.0	38
32	Single-Atom Catalysts: Ambient Synthesis of Single-Atom Catalysts from Bulk Metal via Trapping of Atoms by Surface Dangling Bonds (Adv. Mater. 44/2019). Advanced Materials, 2019, 31, 1970316.	11.1	1
33	Unraveling the enzyme-like activity of heterogeneous single atom catalyst. Chemical Communications, 2019, 55, 2285-2288.	2.2	205
34	Boosting Oxygen Reduction Catalysis with Fe_4N Sites Decorated Porous Carbons toward Fuel Cells. ACS Catalysis, 2019, 9, 2158-2163.	5.5	297
35	Trifunctional Self-Supporting Cobalt-Embedded Carbon Nanotube Films for ORR, OER, and HER Triggered by Solid Diffusion from Bulk Metal. Advanced Materials, 2019, 31, e1808043.	11.1	290
36	Thermal Emitting Strategy to Synthesize Atomically Dispersed Pt Metal Sites from Bulk Pt Metal. Journal of the American Chemical Society, 2019, 141, 4505-4509.	6.6	285

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37	Synthesis of Well-Defined Pt-Based Catalysts for Methanol Oxidation Reaction Based on Electron-Hole Separation Effects. ACS Sustainable Chemistry and Engineering, 2019, 7, 8597-8603.	3.2	7
38	2D MOF induced accessible and exclusive Co single sites for an efficient α -silylation of alcohols with silanes. Chemical Communications, 2019, 55, 6563-6566.	2.2	34
39	Review of Metal Catalysts for Oxygen Reduction Reaction: From Nanoscale Engineering to Atomic Design. Chem, 2019, 5, 1486-1511.	5.8	544
40	A general synthesis approach for amorphous noble metal nanosheets. Nature Communications, 2019, 10, 4855.	5.8	321
41	Solid-Diffusion Synthesis of Single-Atom Catalysts Directly from Bulk Metal for Efficient CO ₂ Reduction. Joule, 2019, 3, 584-594.	11.7	277
42	Ultrathin Palladium Nanomesh for Electrocatalysis. Angewandte Chemie, 2018, 130, 3493-3496.	1.6	24
43	Ultrathin Palladium Nanomesh for Electrocatalysis. Angewandte Chemie - International Edition, 2018, 57, 3435-3438.	7.2	98
44	Synergistic effect of well-defined dual sites boosting the oxygen reduction reaction. Energy and Environmental Science, 2018, 11, 3375-3379.	15.6	528
45	Direct transformation of bulk copper into copper single sites via emitting and trapping of atoms. Nature Catalysis, 2018, 1, 781-786.	16.1	746
46	In-situ Thermal Atomization To Convert Supported Nickel Nanoparticles into Surface-Bound Nickel Single-Atom Catalysts. Angewandte Chemie - International Edition, 2018, 57, 14095-14100.	7.2	310
47	In-situ Thermal Atomization To Convert Supported Nickel Nanoparticles into Surface-Bound Nickel Single-Atom Catalysts. Angewandte Chemie, 2018, 130, 14291-14296.	1.6	41
48	Pseudocapacitive Li ⁺ intercalation in ZnO/ZnO@C composites enables high-rate lithium-ion storage and stable cyclability. Ceramics International, 2017, 43, 11998-12004.	2.3	28
49	Quantitative pinhole on-line electrochemical mass spectrometry study on ethanol electro-oxidation at carbon-supported Pt and Ir-containing catalysts. International Journal of Hydrogen Energy, 2017, 42, 228-235.	3.8	17
50	Boron, nitrogen co-doped graphene: a superior electrocatalyst support and enhancing mechanism for methanol electrooxidation. Electrochimica Acta, 2016, 212, 313-321.	2.6	60
51	Mild Synthesis of Pt/SnO ₂ /Graphene Nanocomposites with Remarkably Enhanced Ethanol Electro-oxidation Activity and Durability. Chemistry - A European Journal, 2016, 22, 193-198.	1.7	36
52	Mild synthesis of layer-by-layer SnO ₂ nanosheet/Pt/graphene composites as catalysts for ethanol electro-oxidation. International Journal of Hydrogen Energy, 2016, 41, 14036-14046.	3.8	20
53	Influence of fluoroethylene carbonate as co-solvent on the high-voltage performance of LiNi _{1/3} Co _{1/3} Mn _{1/3} O ₂ cathode for lithium-ion batteries. Electrochimica Acta, 2016, 191, 8-15.	2.6	45
54	Research on the tribological behavior of a nanocrystalline zinc coating prepared by pulse reverse electrodeposition. RSC Advances, 2015, 5, 12025-12033.	1.7	32

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55	Polyelectrolyte Assisted Synthesis and Enhanced Oxygen Reduction Activity of Pt Nanocrystals with Controllable Shape and Size. ACS Applied Materials & Interfaces, 2014, 6, 14043-14049.	4.0	49
56	Pt@rGO@TiO ₂ nanocomposite by UV-photo-reduction method as promising electrocatalyst for methanol oxidation. International Journal of Hydrogen Energy, 2013, 38, 12310-12317.	3.8	39