Shoujie Liu

List of Publications by Year
in descending order

92 papers	10,827 citations	50276 46 h-index	43889 91 g-index
92 all docs	92 docs citations	92 times ranked	10434 citing authors

#	Article	IF	Citations
1	Construction of N-doped carbon frames anchored with Co single atoms and Co nanoparticles as robust electrocatalyst for hydrogen evolution in the entire pH range. Journal of Energy Chemistry, 2022, 67, 147-156.	12.9	22
2	Rationally engineered Co and N co-doped WS2 as bifunctional catalysts for pH-universal hydrogen evolution and oxidative dehydrogenation reactions. Nano Research, 2022, 15, 1993-2002.	10.4	20
3	Atomically dispersed Ni anchored on polymer-derived mesh-like N-doped carbon nanofibers as an efficient CO2 electrocatalytic reduction catalyst. Nano Research, 2022, 15, 3959-3963.	10.4	18
4	Biomass-assisted approach for large-scale construction of multi-functional isolated single-atom site catalysts. Nano Research, 2022, 15, 3980-3990.	10.4	20
5	Atomically-dispersed NiN₄â€“Cl active sites with axial Niâ€“Cl coordination for accelerating electrocatalytic hydrogen evolution. Journal of Materials Chemistry A, 2022, 10, 6007-6015.	10.3	22
6	Engineering Catalytic Interfaces in Cu^{Î´+}/CeO₂-TiO₂ Photocatalysts for Synergistically Boosting CO₂ Reduction to Ethylene. ACS Nano, 2022, 16, 2306-2318.	14.6	107
7	Synergetic Function of the Single-Atom Ruâ€“N₄ Site and Ru Nanoparticles for Hydrogen Production in a Wide pH Range and Seawater Electrolysis. ACS Applied Materials & Interfaces, 2022, 14, 15250-15258.	8.0	35
8	Neighboring sp-Hybridized Carbon Participated Molecular Oxygen Activation on the Interface of Sub-nanocluster CuO/Graphdiyne. Journal of the American Chemical Society, 2022, 144, 4942-4951.	13.7	67
9	Boosting the Productivity of Electrochemical CO₂Reduction to Multiâ€Carbon Products by Enhancing CO₂Diffusion through a Porous Organic Cage. Angewandte Chemie - International Edition, 2022, 61, .	13.8	43
10	Highly efficient oxygen evolution catalysis achieved by NiFe oxyhydroxide clusters anchored on carbon black. Journal of Materials Chemistry A, 2022, 10, 10342-10349.	10.3	13
11	Amino induced high-loading atomically dispersed Co sites on N-doped hollow carbon for efficient CO₂ transformation. Chemical Communications, 2022, 58, 6602-6605.	4.1	10
12	Construction of N, P Coâ€Doped Carbon Frames Anchored with Fe Single Atoms and Fe₂P Nanoparticles as a Robust Coupling Catalyst for Electrocatalytic Oxygen Reduction. Advanced Materials, 2022, 34, .	21.0	93
13	Synergetic effect of nitrogen-doped carbon catalysts for high-efficiency electrochemical CO2 reduction. Chinese Journal of Catalysis, 2022, 43, 1697-1702.	14.0	10
14	Atomically Dispersed CoN₃C₁â€FeN₁C₃ Diatomic Sites Anchored in Nâ€Doped Carbon as Efficient Bifunctional Catalyst for Synergistic Electrocatalytic Hydrogen Evolution and Oxygen Reduction. Small, 2022, 18, .	10.0	28
15	Enhancing CO₂ electroreduction to CH₄ over Cu nanoparticles supported on N-doped carbon. Chemical Science, 2022, 13, 8388-8394.	7.4	21
16	Boosting the Activity of Single-Atom Pt₁/CeO₂ via Co Doping for Low-Temperature Catalytic Oxidation of CO. Inorganic Chemistry, 2022, 61, 11932-11938.	4.0	11
17	Atomically dispersed Niâ€“Ruâ€“P interface sites for high-efficiency pH-universal electrocatalysis of hydrogen evolution. Nano Energy, 2021, 80, 105467.	16.0	114
18	Synergistic Pd Single Atoms, Clusters, and Oxygen Vacancies on TiO₂ for Photocatalytic Hydrogen Evolution Coupled with Selective Organic Oxidation. Small, 2021, 17, e2006255.	10.0	110

#	Article	IF	Citations
19	The <i>in situ</i> study of surface species and structures of oxide-derived copper catalysts for electrochemical CO₂ reduction. Chemical Science, 2021, 12, 5938-5943.	7.4	40
20	Quasi-square-shaped cadmium hydroxide nanocatalysts for electrochemical CO₂ reduction with high efficiency. Chemical Science, 2021, 12, 11914-11920.	7.4	10
21	Fe₁N₄â€“O₁ site with axial Feâ€“O coordination for highly selective CO₂ reduction over a wide potential range. Energy and Environmental Science, 2021, 14, 3430-3437.	30.8	119
22	Pd single-atom monolithic catalyst: Functional 3D structure and unique chemical selectivity in hydrogenation reaction. Science China Materials, 2021, 64, 1919-1929.	6.3	75
23	Melamine-assisted pyrolytic synthesis of bifunctional cobalt-based coreâ€“shell electrocatalysts for rechargeable zincâ€“air batteries. Journal of Energy Chemistry, 2021, 53, 364-371.	12.9	36
24	Atomic Indium Catalysts for Switching CO₂ Electroreduction Products from Formate to CO. Journal of the American Chemical Society, 2021, 143, 6877-6885.	13.7	140
25	Iron Doped in the Subsurface of CuS Nanosheets by Interionic Redox: Highly Efficient Electrocatalysts toward the Oxygen Evolution Reaction. ACS Applied Materials & Interfaces, 2021, 13, 16210-16217.	8.0	31
26	Dispersion and support dictated properties and activities of Pt/metal oxide catalysts in heterogeneous CO oxidation. Nano Research, 2021, 14, 4841-4847.	10.4	26
27	In-Situ doping-induced crystal form transition of amorphous Pdâ€“P catalyst for robust electrocatalytic hydrodechlorination. Applied Catalysis B: Environmental, 2021, 284, 119713.	20.2	41
28	Regulating the electronic structure of NiFe layered double hydroxide/reduced graphene oxide by Mn incorporation for high-efficiency oxygen evolution reaction. Science China Materials, 2021, 64, 2729-2738.	6.3	28
29	Fabricating polyoxometalates-stabilized single-atom site catalysts in confined space with enhanced activity for alkynes diboration. Nature Communications, 2021, 12, 4205.	12.8	69
30	Boosting CO₂Electroreduction over a Cadmium Singleâ€Atom Catalyst by Tuning of the Axial Coordination Structure. Angewandte Chemie, 2021, 133, 20971-20978.	2.0	16
31	Highly Efficient CO₂ Electroreduction to Methanol through Atomically Dispersed Sn Coupled with Defective CuO Catalysts. Angewandte Chemie, 2021, 133, 22150-22158.	2.0	11
32	Highly Efficient CO₂ Electroreduction to Methanol through Atomically Dispersed Sn Coupled with Defective CuO Catalysts. Angewandte Chemie - International Edition, 2021, 60, 21979-21987.	13.8	90
33	Boosting CO₂Electroreduction over a Cadmium Singleâ€Atom Catalyst by Tuning of the Axial Coordination Structure. Angewandte Chemie - International Edition, 2021, 60, 20803-20810.	13.8	86
34	Atomically dispersed Ni on Mo2C embedded in N, P co-doped carbon derived from polyoxometalate supramolecule for high-efficiency hydrogen evolution electrocatalysis. Applied Catalysis B: Environmental, 2021, 296, 120336.	20.2	58
35	Efficient electrocatalytic water splitting by bimetallic cobalt iron boride nanoparticles with controlled electronic structure. Journal of Colloid and Interface Science, 2021, 604, 650-659.	9.4	32
36	Efficient electroreduction of CO₂to C₂₊products on CeO₂modified CuO. Chemical Science, 2021, 12, 6638-6645.	7.4	89

#	Article	IF	Citations
37	Design of Binary Cuâ€“Fe Sites Coordinated with Nitrogen Dispersed in the Porous Carbon for Synergistic CO₂ Electroreduction. Small, 2021, 17, e2006951.	10.0	63
38	Electrostatic Attraction-Driven Assembly of a Metalâ€“Organic Framework with a Photosensitizer Boosts Photocatalytic CO₂ Reduction to CO. Journal of the American Chemical Society, 2021, 143, 17424-17430.	13.7	127
39	Synergistically Interactive Pyridinicâ€Nâ€“MoP Sites: Identified Active Centers for Enhanced Hydrogen Evolution in Alkaline Solution. Angewandte Chemie - International Edition, 2020, 59, 8982-8990.	13.8	263
40	Engineering the multiscale structure of bifunctional oxygen electrocatalyst for highly efficient and ultrastable zinc-air battery. Energy Storage Materials, 2020, 24, 402-411.	18.0	48
41	Synergistically Interactive Pyridinicâ€Nâ€“MoP Sites: Identified Active Centers for Enhanced Hydrogen Evolution in Alkaline Solution. Angewandte Chemie, 2020, 132, 9067-9075.	2.0	45
42	Titania supported synergistic palladium single atoms and nanoparticles for room temperature ketone and aldehydes hydrogenation. Nature Communications, 2020, 11, 48.	12.8	223
43	Dual active sites of the Co₂N and single-atom Coâ€“N₄ embedded in nitrogen-rich nanocarbons: a robust electrocatalyst for oxygen reduction reactions. Nanotechnology, 2020, 31, 165401.	2.6	16
44	Regulation of oxygen reduction reaction by the magnetic effect of L10-PtFe alloy. Applied Catalysis B: Environmental, 2020, 278, 119332.	20.2	34
45	Reaction environment self-modification on low-coordination Ni2+ octahedra atomic interface for superior electrocatalytic overall water splitting. Nano Research, 2020, 13, 3068-3074.	10.4	27
46	Effect of the coordination environment of Cu in Cu₂O on the electroreduction of CO₂ to ethylene. Green Chemistry, 2020, 22, 6340-6344.	9.0	28
47	A supramolecular-confinement pyrolysis route to ultrasmall rhodium phosphide nanoparticles as a robust electrocatalyst for hydrogen evolution in the entire pH range and seawater electrolysis. Journal of Materials Chemistry A, 2020, 8, 25768-25779.	10.3	22
48	Highly Efficient Electroreduction of CO₂ to C2+ Alcohols on Heterogeneous Dual Active Sites. Angewandte Chemie, 2020, 132, 16601-16606.	2.0	23
49	Highly Efficient Electroreduction of CO₂ to C2+ Alcohols on Heterogeneous Dual Active Sites. Angewandte Chemie - International Edition, 2020, 59, 16459-16464.	13.8	148
50	Fe Single Atoms and Fe₂O₃ Clusters Liberated from N-Doped Polyhedral Carbon for Chemoselective Hydrogenation under Mild Conditions. ACS Applied Materials & Interfaces, 2020, 12, 34122-34129.	8.0	47
51	Design of assembled composite of Mn3O4@Graphitic carbon porous nano-dandelions: A catalyst for Lowâ€“temperature selective catalytic reduction of NOx with remarkable SO2 resistance. Applied Catalysis B: Environmental, 2020, 269, 118731.	20.2	41
52	Elucidating the Nature of the Cu(I) Active Site in CuO/TiO₂ for Excellent Low-Temperature CO Oxidation. ACS Applied Materials & Interfaces, 2020, 12, 7091-7101.	8.0	51
53	Monolayered Ru1/TiO2 nanosheet enables efficient visible-light-driven hydrogen evolution. Applied Catalysis B: Environmental, 2020, 271, 118925.	20.2	30
54	High Activity and Stability of PdO<i>_x</i> Anchored in Porous NiO Nanofibers for Catalyzing Suzuki Coupling Reactions. Journal of Physical Chemistry C, 2020, 124, 22539-22549.	3.1	10

#	Article	IF	Citations
55	Construction of CoP/NiCoP Nanotadpoles Heterojunction Interface for Wide pH Hydrogen Evolution Electrocatalysis and Supercapacitor. Advanced Energy Materials, 2019, 9, 1901213.	19.5	275
56	Construction of multi-dimensional core/shell Ni/NiCoP nano-heterojunction for efficient electrocatalytic water splitting. Applied Catalysis B: Environmental, 2019, 259, 118039.	20.2	124
57	Fe/Fe₃C Encapsulated in N-Doped Carbon Tubes: A Recyclable Catalyst for Hydrogenation with High Selectivity. Inorganic Chemistry, 2019, 58, 9469-9475.	4.0	40
58	Three-dimensional open nano-netcage electrocatalysts for efficient pH-universal overall water splitting. Nature Communications, 2019, 10, 4875.	12.8	253
59	Isolated Iron Single-Atomic Site-Catalyzed Chemoselective Transfer Hydrogenation of Nitroarenes to Arylamines. ACS Applied Materials & Interfaces, 2019, 11, 33819-33824.	8.0	74
60	Regulating the coordination structure of single-atom Fe-NxCy catalytic sites for benzene oxidation. Nature Communications, 2019, 10, 4290.	12.8	326
61	Copper atom-pair catalyst anchored on alloy nanowires for selective and efficient electrochemical reduction of CO2. Nature Chemistry, 2019, 11, 222-228.	13.6	571
62	Topological self-template directed synthesis of multi-shelled intermetallic Ni₃Ga hollow microspheres for the selective hydrogenation of alkyne. Chemical Science, 2019, 10, 614-619.	7.4	31
63	MXene (Ti₃C₂) Vacancy-Confined Single-Atom Catalyst for Efficient Functionalization of CO₂. Journal of the American Chemical Society, 2019, 141, 4086-4093.	13.7	479
64	A General Strategy for Fabricating Isolated Single Metal Atomic Site Catalysts in Y Zeolite. Journal of the American Chemical Society, 2019, 141, 9305-9311.	13.7	191
65	Aqueous CO₂ Reduction with High Efficiency Using Î±â€Co(OH)₂â€Supported Atomic Ir Electrocatalysts. Angewandte Chemie, 2019, 131, 4717-4721.	2.0	20
66	Aqueous CO₂ Reduction with High Efficiency Using Î±â€Co(OH)₂â€Supported Atomic Ir Electrocatalysts. Angewandte Chemie - International Edition, 2019, 58, 4669-4673.	13.8	90
67	Selective electroreduction of carbon dioxide to methanol on copper selenide nanocatalysts. Nature Communications, 2019, 10, 677.	12.8	258
68	Clarifying the controversial catalytic active sites of Co₃O₄ for the oxygen evolution reaction. Journal of Materials Chemistry A, 2019, 7, 23191-23198.	10.3	115
69	Aerobic selective oxidation of methylaromatics to benzoic acids over Co@N/Co-CNTs with high loading CoN₄species. Journal of Materials Chemistry A, 2019, 7, 27212-27216.	10.3	22
70	Ni@PC as a stabilized catalyst toward the efficient hydrogenation of quinoline at ambient temperature. Catalysis Science and Technology, 2019, 9, 6669-6672.	4.1	15
71	Fe/Fe₂O₃@Nâ€doped Porous Carbon: A Highâ€Performance Catalyst for Selective Hydrogenation of Nitro Compounds. ChemCatChem, 2019, 11, 724-728.	3.7	41
72	Electronic structure and d-band center control engineering over M-doped CoP (Mâ€¯=â€¯Ni, Mn, Fe) hollow polyhedron frames for boosting hydrogen production. Nano Energy, 2019, 56, 411-419.	16.0	421

#	Article	IF	Citations
73	Design of Single-Atom Coâ€“N₅ Catalytic Site: A Robust Electrocatalyst for CO₂ Reduction with Nearly 100% CO Selectivity and Remarkable Stability. Journal of the American Chemical Society, 2018, 140, 4218-4221.	13.7	945
74	Coreâ€“Shell ZIF-8@ZIF-67-Derived CoP Nanoparticle-Embedded N-Doped Carbon Nanotube Hollow Polyhedron for Efficient Overall Water Splitting. Journal of the American Chemical Society, 2018, 140, 2610-2618.	13.7	1,556
75	Colloidal Synthesis of Moâ€“Ni Alloy Nanoparticles as Bifunctional Electrocatalysts for Efficient Overall Water Splitting. Advanced Materials Interfaces, 2018, 5, 1800359.	3.7	42
76	Enhanced visible-light-driven photocatalysis from WS₂ quantum dots coupled to BiOCl nanosheets: synergistic effect and mechanism insight. Catalysis Science and Technology, 2018, 8, 201-209.	4.1	95
77	Toward Bifunctional Overall Water Splitting Electrocatalyst: General Preparation of Transition Metal Phosphide Nanoparticles Decorated N-Doped Porous Carbon Spheres. ACS Applied Materials & Interfaces, 2018, 10, 44201-44208.	8.0	71
78	Constructing NiCo/Fe₃O₄ Heteroparticles within MOF-74 for Efficient Oxygen Evolution Reactions. Journal of the American Chemical Society, 2018, 140, 15336-15341.	13.7	310
79	A photochromic composite with enhanced carrier separation for the photocatalytic activation of benzylic Câ€“H bonds in toluene. Nature Catalysis, 2018, 1, 704-710.	34.4	273
80	MOFâ€Confined Subâ€2 nm Atomically Ordered Intermetallic PdZn Nanoparticles as Highâ€Performance Catalysts for Selective Hydrogenation of Acetylene. Advanced Materials, 2018, 30, e1801878.	21.0	133
81	Porphyrin-like Fe-N4 sites with sulfur adjustment on hierarchical porous carbon for different rate-determining steps in oxygen reduction reaction. Nano Research, 2018, 11, 6260-6269.	10.4	118
82	Water Splitting Catalysts: Colloidal Synthesis of Mo-Ni Alloy Nanoparticles as Bifunctional Electrocatalysts for Efficient Overall Water Splitting (Adv. Mater. Interfaces 13/2018). Advanced Materials Interfaces, 2018, 5, 1870063.	3.7	4
83	A Bimetallic Zn/Fe Polyphthalocyanineâ€Derived Singleâ€Atom Feâ€N₄ Catalytic Site:A Superior Trifunctional Catalyst for Overall Water Splitting and Znâ€“Air Batteries. Angewandte Chemie, 2018, 130, 8750-8754.	2.0	51
84	A Bimetallic Zn/Fe Polyphthalocyanineâ€Derived Singleâ€Atom Feâ€N₄ Catalytic Site:A Superior Trifunctional Catalyst for Overall Water Splitting and Znâ€“Air Batteries. Angewandte Chemie - International Edition, 2018, 57, 8614-8618.	13.8	455
85	Atomically Dispersed Pt/Metal Oxide Mesoporous Catalysts from Synchronous Pyrolysisâ€“Deposition Route for Waterâ€“Gas Shift Reaction. Chemistry of Materials, 2018, 30, 5534-5538.	6.7	44
86	Partial-surface-passivation strategy for transition-metal-based copperâ€“gold nanocage. Chemical Communications, 2016, 52, 6617-6620.	4.1	12
87	Unidirectional Thermal Diffusion in Bimetallic Cu@Au Nanoparticles. ACS Nano, 2014, 8, 1886-1892.	14.6	48
88	Biomembrane derived porous carbon film supported Au nanoparticles for highly reproducible surface-enhanced Raman scattering. New Journal of Chemistry, 2013, 37, 3131.	2.8	5
89	Probing Nucleation Pathways for Morphological Manipulation of Platinum Nanocrystals. Journal of the American Chemical Society, 2012, 134, 9410-9416.	13.7	71
90	Hexane-Driven Icosahedral to Cuboctahedral Structure Transformation of Gold Nanoclusters. Journal of the American Chemical Society, 2012, 134, 17997-18003.	13.7	70

#	Article	IF	Citations
91	Understanding the Nature of the Kinetic Process in a<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>VO</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math>Metal-Insulator Transition. Physical Review Letters, 2010, 105, 226405.	7.8	171
92	Boosting the Productivity of Electrochemical CO ₂ Reduction to Multiâ€Carbon Products by Enhancing CO ₂ Diffusion through a Porous Organic Cage. Angewandte Chemie, 0, , .	2.0	0