

Lijuan Zhang

List of Publications by Year in descending order

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65
papers

5,970
citations

136950

32
h-index

114465

63
g-index

65
all docs

65
docs citations

65
times ranked

9160
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrathin metal-organic framework nanosheets for electrocatalytic oxygen evolution. <i>Nature Energy</i> , 2016, 1, .	39.5	1,979
2	Ultrathin Nitrogen-Doped Holey Carbon@Graphene Bifunctional Electrocatalyst for Oxygen Reduction and Evolution Reactions in Alkaline and Acidic Media. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 16511-16515.	13.8	261
3	Interlaced NiS ₂ -MoS ₂ nanoflake-nanowires as efficient hydrogen evolution electrocatalysts in basic solutions. <i>Journal of Materials Chemistry A</i> , 2016, 4, 13439-13443.	10.3	241
4	Co-Ni-Based Nanotubes/Nanosheets as Efficient Water Splitting Electrocatalysts. <i>Advanced Energy Materials</i> , 2016, 6, 1501661.	19.5	232
5	Selective Etching of Nitrogen-Doped Carbon by Steam for Enhanced Electrochemical CO ₂ Reduction. <i>Advanced Energy Materials</i> , 2017, 7, 1701456.	19.5	203
6	Self-Assembly of Chiral Gold Clusters into Crystalline Nanocubes of Exceptional Optical Activity. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 15397-15401.	13.8	185
7	Controlled Synthesis of Ordered Mesoporous Ca ²⁺ /TiO ₂ Nanocomposites with Crystalline Titania Frameworks from Organic-Inorganic Amphiphilic Coassembly. <i>Chemistry of Materials</i> , 2008, 20, 1140-1146.	6.7	173
8	Double sulfur vacancies by lithium tuning enhance CO ₂ electroreduction to n-propanol. <i>Nature Communications</i> , 2021, 12, 1580.	12.8	162
9	Boronic Acid Functionalized Core-Satellite Composite Nanoparticles for Advanced Enrichment of Glycopeptides and Glycoproteins. <i>Chemistry - A European Journal</i> , 2009, 15, 10158-10166.	3.3	134
10	Oxygen vacancies enhanced cooperative electrocatalytic reduction of carbon dioxide and nitrite ions to urea. <i>Journal of Colloid and Interface Science</i> , 2020, 577, 109-114.	9.4	120
11	Hydrothermal carbon superstructures enriched with carboxyl groups for highly efficient uranium removal. <i>Chemical Engineering Journal</i> , 2018, 338, 734-744.	12.7	115
12	NbO ₂ Electrocatalyst Toward 32% Faradaic Efficiency for N ₂ Fixation. <i>Small Methods</i> , 2019, 3, 1800386.	8.6	111
13	Palladium-decorated hierarchical titania constructed from the metal-organic frameworks NH ₂ -MIL-125(Ti) as a robust photocatalyst for hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , 2017, 218, 743-750.	20.2	109
14	Photoelectrochemical Conversion from Graphitic C ₃ N ₄ Quantum Dot Decorated Semiconductor Nanowires. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 12772-12779.	8.0	103
15	A flexible ligand-based wavy layered metal-organic framework for lithium-ion storage. <i>Journal of Colloid and Interface Science</i> , 2015, 445, 320-325.	9.4	102
16	Fabrication of Highly Stable Metal Oxide Hollow Nanospheres and Their Catalytic Activity toward 4-Nitrophenol Reduction. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 18207-18214.	8.0	97
17	Bread-derived 3D macroporous carbon foams as high performance free-standing anode in microbial fuel cells. <i>Biosensors and Bioelectronics</i> , 2018, 122, 217-223.	10.1	91
18	2D-2D Heterostructured UNiMOF/g-C ₃ N ₄ for Enhanced Photocatalytic H ₂ Production under Visible-Light Irradiation. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 2492-2499.	6.7	90

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19	Ni-Al layered double hydroxide with regulated interlayer spacing as electrode for aqueous asymmetric supercapacitor. <i>Chemical Engineering Journal</i> , 2019, 368, 905-913.	12.7	88
20	Three dimensional hierarchically porous ZIF-8 derived carbon/LDH core-shell composite for high performance supercapacitors. <i>Electrochimica Acta</i> , 2018, 263, 391-399.	5.2	72
21	Sub-5Ånm SnO ₂ chemically coupled hollow carbon spheres for efficient electrocatalytic CO ₂ reduction. <i>Journal of Materials Chemistry A</i> , 2018, 6, 20121-20127.	10.3	72
22	One-dimensional nanostructures for flexible supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015, 3, 16382-16392.	10.3	70
23	Delocalized electron effect on single metal sites in ultrathin conjugated microporous polymer nanosheets for boosting CO ₂ cycloaddition. <i>Science Advances</i> , 2020, 6, eaaz4824.	10.3	68
24	Dual-Atomic Cu Sites for Electrocatalytic CO Reduction to C ₂₊ Products. , 2021, 3, 1729-1737.		66
25	Sandwich-Like Reduced Graphene Oxide/Carbon Black/Amorphous Cobalt Borate Nanocomposites as Bifunctional Cathode Electrocatalyst in Rechargeable Zinc-Air Batteries. <i>Advanced Energy Materials</i> , 2018, 8, 1801495.	19.5	65
26	W18O49 nanowires grown on g-C3N4 sheets with enhanced photocatalytic hydrogen evolution activity under visible light. <i>Journal of Molecular Catalysis A</i> , 2016, 418-419, 95-102.	4.8	58
27	Bacterial Cellulose as a Supersoft Neural Interfacing Substrate. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 33049-33059.	8.0	58
28	Achieving High Aqueous Energy Storage via Hydrogen-Generation Passivation. <i>Advanced Materials</i> , 2016, 28, 7626-7632.	21.0	51
29	Freestanding 3D graphene/cobalt sulfide composites for supercapacitors and hydrogen evolution reaction. <i>RSC Advances</i> , 2015, 5, 6886-6891.	3.6	47
30	General strategy toward hexagonal ring-like layered double hydroxides and their application for asymmetric supercapacitors. <i>Chemical Engineering Journal</i> , 2019, 375, 121926.	12.7	45
31	Ru-doped, oxygen-vacancy-containing CeO ₂ nanorods toward N ₂ electroreduction. <i>Journal of Materials Chemistry A</i> , 2020, 8, 7229-7234.	10.3	45
32	Mesoporous tin oxide for electrocatalytic CO ₂ reduction. <i>Journal of Colloid and Interface Science</i> , 2018, 531, 564-569.	9.4	44
33	Efficient hydrogen recovery with CoP-NF as cathode in microbial electrolysis cells. <i>Applied Energy</i> , 2020, 264, 114700.	10.1	40
34	Heterogeneous Electrocatalysts for CO ₂ Reduction. <i>ACS Applied Energy Materials</i> , 2021, 4, 1034-1044.	5.1	31
35	Fast cooling induced grain-boundary-rich copper oxide for electrocatalytic carbon dioxide reduction to ethanol. <i>Journal of Colloid and Interface Science</i> , 2020, 570, 375-381.	9.4	30
36	Electrocatalysts: Co-Ni-Based Nanotubes/Nanosheets as Efficient Water Splitting Electrocatalysts (<i>Adv. Energy Mater.</i> 3/2016). <i>Advanced Energy Materials</i> , 2016, 6, .	19.5	29

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37	Oxygen Vacancy-rich Anatase TiO ₂ Hollow Spheres Via Liquid Nitrogen Quenching Process for Enhanced Photocatalytic Hydrogen Evolution. <i>ChemCatChem</i> , 2019, 11, 1057-1063.	3.7	29
38	Direct growth of mesoporous carbon-coated Ni nanoparticles on carbon fibers for flexible supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015, 3, 2876-2882.	10.3	28
39	Hybrid palladium nanoparticles and nickel single atom catalysts for efficient electrocatalytic ethanol oxidation. <i>Journal of Materials Chemistry A</i> , 2022, 10, 6129-6133.	10.3	28
40	Facile construction of dual functional Fe ₃ O ₄ @C-MoO ₂ -Ni composites for catalysis and adsorption. <i>Applied Surface Science</i> , 2019, 494, 783-794.	6.1	27
41	Positive Enrichment of C-Terminal Peptides Using Oxazolone Chemistry and Biotinylation. <i>Analytical Chemistry</i> , 2015, 87, 9916-9922.	6.5	26
42	Modification of sludge-based biochar using air roasting-oxidation and its performance in adsorption of uranium(VI) from aqueous solutions. <i>Journal of Colloid and Interface Science</i> , 2022, 614, 547-555.	9.4	26
43	Highly stable and sub-3 nm Ni nanoparticles coated with carbon nanosheets as a highly active heterogeneous hydrogenation catalyst. <i>Catalysis Communications</i> , 2016, 79, 63-67.	3.3	24
44	Hierarchically tubular nitrogen-doped carbon structures for the oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2017, 5, 13634-13638.	10.3	24
45	An unusual example of morphology controlled periodic mesoporous organosilica single crystals. <i>Journal of Materials Chemistry</i> , 2010, 20, 6460.	6.7	22
46	Oxygen-defect-rich 3D porous cobalt-gallium layered double hydroxide for high-performance supercapacitor application. <i>Journal of Colloid and Interface Science</i> , 2022, 608, 1837-1845.	9.4	21
47	Spatial-type skeleton induced Geobacter enrichment and tailored bio-capacitance of electroactive bioanode for efficient electron transfer in microbial fuel cells. <i>Science of the Total Environment</i> , 2022, 821, 153123.	8.0	21
48	CoNiO ₂ /TiO _x Ny composites for ultrahigh electrochemical energy storage and simultaneous glucose sensing. <i>Journal of Materials Chemistry A</i> , 2014, 2, 10904.	10.3	19
49	Carboxy group derivatization for enhanced electron-transfer dissociation mass spectrometric analysis of phosphopeptides. <i>Proteomics</i> , 2009, 9, 4093-4097.	2.2	18
50	Nonreductive biomineralization of uranium by <i>Bacillus subtilis</i> ATCC 6633 under aerobic conditions. <i>Journal of Environmental Radioactivity</i> , 2019, 208-209, 106027.	1.7	16
51	Steric effect induces CO electroreduction to CH ₄ on Cu-Au alloys. <i>Journal of Materials Chemistry A</i> , 2021, 9, 21779-21784.	10.3	16
52	Characterization and adsorption capacity of a novel high-performance polymeric sorbent synthesized in supercritical carbon dioxide. <i>Journal of Supercritical Fluids</i> , 2012, 62, 232-239.	3.2	15
53	Recent developments of nanoparticle-based enrichment methods for mass spectrometric analysis in proteomics. <i>Science China Chemistry</i> , 2010, 53, 695-703.	8.2	14
54	Atomic-Level Copper Sites for Selective CO ₂ Electroreduction to Hydrocarbon. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 13536-13544.	6.7	14

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55	Separator-Integrated, Reversely Connectable Symmetric Lithium-Ion Battery. <i>Small</i> , 2016, 12, 1091-1097.	10.0	13
56	Promoting N ₂ electroreduction to ammonia by fluorine-terminating Ti ₃ C ₂ T _x MXene. <i>Nano Convergence</i> , 2021, 8, 14.	12.1	13
57	<i>In situ</i> controlled synthesis of porous Fe-N-C materials from oily sludge by chlorinating calcination and their novel application in supercapacitors. <i>Environmental Science: Nano</i> , 2020, 7, 3814-3823.	4.3	12
58	Economic affordable carbonized phenolic foam anode with controlled structure for microbial fuel cells. <i>Science of the Total Environment</i> , 2022, 810, 151314.	8.0	12
59	Promoting electrocatalytic carbon monoxide reduction to ethylene on copper-polypyrrole interface. <i>Journal of Colloid and Interface Science</i> , 2021, 600, 847-853.	9.4	11
60	Facile synthesis of ultrathin Fe ₃ -Fe ₂ O ₃ magnetic nanosheets rich in oxygen vacancies and their photocatalytic activity for water oxidation. <i>Applied Surface Science</i> , 2022, 578, 151999.	6.1	10
61	Efficient immobilization and utilization of chromite ore processing residue via hydrothermally constructing spinel phase Fe ₂ (Cr _{3+X} , Fe _{3+2-x})O ₄ and its magnetic separation. <i>Science of the Total Environment</i> , 2022, 813, 152637.	8.0	10
62	Synthesis of cross-linked poly(4-vinylpyridine) and its copolymer microgels using supercritical carbon dioxide: Application in the adsorption of copper(II). <i>Journal of Supercritical Fluids</i> , 2011, 58, 233-238.	3.2	9
63	Synthesis of amorphous hollow Ni(HCO ₃) ₂ nanostructures with excellent supercapacitor performance from nickel-containing electroplating sludge. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 106906.	6.7	4
64	Co ²⁺ Reduction: Selective Etching of Nitrogen-Doped Carbon by Steam for Enhanced Electrochemical CO ₂ Reduction (Adv. Energy Mater. 22/2017). <i>Advanced Energy Materials</i> , 2017, 7, .	19.5	1
65	Energy Storage: Achieving High Aqueous Energy Storage via Hydrogen Generation Passivation (Adv. Tj ETQq1 1 0,784314 ggBT /Over	21.8	1