

# Lijuan Zhang

## List of Publications by Year in descending order

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65  
papers

5,970  
citations

136740

32  
h-index

114278

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, .	19.8	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.	7.2	261
3	Interlaced NiS <sub>2</sub> -MoS <sub>2</sub> nanoflake-nanowires as efficient hydrogen evolution electrocatalysts in basic solutions. <i>Journal of Materials Chemistry A</i> , 2016, 4, 13439-13443.	5.2	241
4	Co-Ni-Based Nanotubes/Nanosheets as Efficient Water Splitting Electrocatalysts. <i>Advanced Energy Materials</i> , 2016, 6, 1501661.	10.2	232
5	Selective Etching of Nitrogen-Doped Carbon by Steam for Enhanced Electrochemical CO <sub>2</sub> Reduction. <i>Advanced Energy Materials</i> , 2017, 7, 1701456.	10.2	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.	7.2	185
7	Controlled Synthesis of Ordered Mesoporous Ca <sup>2+</sup> /TiO <sub>2</sub> Nanocomposites with Crystalline Titania Frameworks from Organic-Inorganic Amphiphilic Coassembly. <i>Chemistry of Materials</i> , 2008, 20, 1140-1146.	3.2	173
8	Double sulfur vacancies by lithium tuning enhance CO <sub>2</sub> electroreduction to n-propanol. <i>Nature Communications</i> , 2021, 12, 1580.	5.8	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.	1.7	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.	5.0	120
11	Hydrothermal carbon superstructures enriched with carboxyl groups for highly efficient uranium removal. <i>Chemical Engineering Journal</i> , 2018, 338, 734-744.	6.6	115
12	NbO <sub>2</sub> Electrocatalyst Toward 32% Faradaic Efficiency for N <sub>2</sub> Fixation. <i>Small Methods</i> , 2019, 3, 1800386.	4.6	111
13	Palladium-decorated hierarchical titania constructed from the metal-organic frameworks NH <sub>2</sub> -MIL-125(Ti) as a robust photocatalyst for hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , 2017, 218, 743-750.	10.8	109
14	Photoelectrochemical Conversion from Graphitic C <sub>3</sub> N <sub>4</sub> Quantum Dot Decorated Semiconductor Nanowires. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 12772-12779.	4.0	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.	5.0	102
16	Fabrication of Highly Stable Metal Oxide Hollow Nanospheres and Their Catalytic Activity toward 4-Nitrophenol Reduction. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 18207-18214.	4.0	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.	5.3	91
18	2D-2D Heterostructured UNiMOF/g-C <sub>3</sub> N <sub>4</sub> for Enhanced Photocatalytic H <sub>2</sub> Production under Visible-Light Irradiation. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 2492-2499.	3.2	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.	6.6	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.	2.6	72
21	Sub-5Ånm SnO <sub>2</sub> chemically coupled hollow carbon spheres for efficient electrocatalytic CO <sub>2</sub> reduction. <i>Journal of Materials Chemistry A</i> , 2018, 6, 20121-20127.	5.2	72
22	One-dimensional nanostructures for flexible supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015, 3, 16382-16392.	5.2	70
23	Delocalized electron effect on single metal sites in ultrathin conjugated microporous polymer nanosheets for boosting CO <sub>2</sub> cycloaddition. <i>Science Advances</i> , 2020, 6, eaaz4824.	4.7	68
24	Dual-Atomic Cu Sites for Electrocatalytic CO Reduction to C <sub>2+</sub> 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.	10.2	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 &amp; Interfaces</i> , 2018, 10, 33049-33059.	4.0	58
28	Achieving High Aqueous Energy Storage via Hydrogen-Generation Passivation. <i>Advanced Materials</i> , 2016, 28, 7626-7632.	11.1	51
29	Freestanding 3D graphene/cobalt sulfide composites for supercapacitors and hydrogen evolution reaction. <i>RSC Advances</i> , 2015, 5, 6886-6891.	1.7	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.	6.6	45
31	Ru-doped, oxygen-vacancy-containing CeO <sub>2</sub> nanorods toward N <sub>2</sub> electroreduction. <i>Journal of Materials Chemistry A</i> , 2020, 8, 7229-7234.	5.2	45
32	Mesoporous tin oxide for electrocatalytic CO <sub>2</sub> reduction. <i>Journal of Colloid and Interface Science</i> , 2018, 531, 564-569.	5.0	44
33	Efficient hydrogen recovery with CoP-NF as cathode in microbial electrolysis cells. <i>Applied Energy</i> , 2020, 264, 114700.	5.1	40
34	Heterogeneous Electrocatalysts for CO <sub>2</sub> Reduction. <i>ACS Applied Energy Materials</i> , 2021, 4, 1034-1044.	2.5	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.	5.0	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, .	10.2	29

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37	Oxygen Vacancy-rich Anatase TiO <sub>2</sub> Hollow Spheres Via Liquid Nitrogen Quenching Process for Enhanced Photocatalytic Hydrogen Evolution. <i>ChemCatChem</i> , 2019, 11, 1057-1063.	1.8	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.	5.2	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.	5.2	28
40	Facile construction of dual functional Fe <sub>3</sub> O <sub>4</sub> @C-MoO <sub>2</sub> -Ni composites for catalysis and adsorption. <i>Applied Surface Science</i> , 2019, 494, 783-794.	3.1	27
41	Positive Enrichment of C-Terminal Peptides Using Oxazolone Chemistry and Biotinylation. <i>Analytical Chemistry</i> , 2015, 87, 9916-9922.	3.2	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.	5.0	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.	1.6	24
44	Hierarchically tubular nitrogen-doped carbon structures for the oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2017, 5, 13634-13638.	5.2	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.	5.0	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.	3.9	21
48	CoNiO <sub>2</sub> /TiO <sub>x</sub> Ny composites for ultrahigh electrochemical energy storage and simultaneous glucose sensing. <i>Journal of Materials Chemistry A</i> , 2014, 2, 10904.	5.2	19
49	Carboxy group derivatization for enhanced electron-transfer dissociation mass spectrometric analysis of phosphopeptides. <i>Proteomics</i> , 2009, 9, 4093-4097.	1.3	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.	0.9	16
51	Steric effect induces CO electroreduction to CH <sub>4</sub> on Cu-Au alloys. <i>Journal of Materials Chemistry A</i> , 2021, 9, 21779-21784.	5.2	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.	1.6	15
53	Recent developments of nanoparticle-based enrichment methods for mass spectrometric analysis in proteomics. <i>Science China Chemistry</i> , 2010, 53, 695-703.	4.2	14
54	Atomic-Level Copper Sites for Selective CO <sub>2</sub> Electroreduction to Hydrocarbon. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 13536-13544.	3.2	14

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55	Separator-Integrated, Reversely Connectable Symmetric Lithium-Ion Battery. <i>Small</i> , 2016, 12, 1091-1097.	5.2	13
56	Promoting N <sub>2</sub> electroreduction to ammonia by fluorine-terminating Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene. <i>Nano Convergence</i> , 2021, 8, 14.	6.3	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.	2.2	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.	3.9	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.	5.0	11
60	Facile synthesis of ultrathin Fe <sup>3+</sup> -Fe <sub>2</sub> O <sub>3</sub> magnetic nanosheets rich in oxygen vacancies and their photocatalytic activity for water oxidation. <i>Applied Surface Science</i> , 2022, 578, 151999.	3.1	10
61	Efficient immobilization and utilization of chromite ore processing residue via hydrothermally constructing spinel phase Fe <sub>2</sub> (Cr <sub>3+X</sub> , Fe <sub>3+2-x</sub> )O <sub>4</sub> and its magnetic separation. <i>Science of the Total Environment</i> , 2022, 813, 152637.	3.9	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.	1.6	9
63	Synthesis of amorphous hollow Ni(HCO <sub>3</sub> ) <sub>2</sub> nanostructures with excellent supercapacitor performance from nickel-containing electroplating sludge. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 106906.	3.3	4
64	Co <sup>2+</sup> Reduction: Selective Etching of Nitrogen-Doped Carbon by Steam for Enhanced Electrochemical CO <sub>2</sub> Reduction (Adv. Energy Mater. 22/2017). <i>Advanced Energy Materials</i> , 2017, 7, .	10.2	1
65	Energy Storage: Achieving High Aqueous Energy Storage via Hydrogen Generation Passivation (Adv. Tj ETQq1 1 0,784314 ggBT /Over 11.1	11.1	0