

Lijuan Zhang

List of Publications by Year in Descending Order

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Version: 2024-04-26

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

62

papers

4,110

citations

29

h-index

64

g-index

65

ext. papers

5,016

ext. citations

12.1

avg, IF

5.44

L-index

#	Paper	IF	Citations
62	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	9.3	1
61	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 , 153123	10.2	1
60	Facile synthesis of ultrathin 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	6.7	4
59	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> , 2021 , 106906	6.8	
58	Efficient immobilization and utilization of chromite ore processing residue via hydrothermally constructing spinel phase Fe(Cr, Fe)O and its magnetic separation.. <i>Science of the Total Environment</i> , 2021 , 813, 152637	10.2	1
57	Oxygen-defect-rich 3D porous cobalt-gallium layered double hydroxide for high-performance supercapacitor application. <i>Journal of Colloid and Interface Science</i> , 2021 , 608, 1837-1845	9.3	2
56	Economic affordable carbonized phenolic foam anode with controlled structure for microbial fuel cells. <i>Science of the Total Environment</i> , 2021 , 151314	10.2	1
55	Double sulfur vacancies by lithium tuning enhance CO electroreduction to n-propanol. <i>Nature Communications</i> , 2021 , 12, 1580	17.4	43
54	Promoting N electroreduction to ammonia by fluorine-terminating TiCT MXene. <i>Nano Convergence</i> , 2021 , 8, 14	9.2	5
53	Heterogeneous Electrocatalysts for CO ₂ Reduction. <i>ACS Applied Energy Materials</i> , 2021 , 4, 1034-1044	6.1	8
52	Promoting electrocatalytic carbon monoxide reduction to ethylene on copper-polypyrrole interface. <i>Journal of Colloid and Interface Science</i> , 2021 , 600, 847-853	9.3	2
51	Ru-doped, oxygen-vacancy-containing CeO ₂ nanorods toward N ₂ electroreduction. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 7229-7234	13	22
50	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	9.3	16
49	Efficient hydrogen recovery with CoP-NF as cathode in microbial electrolysis cells. <i>Applied Energy</i> , 2020 , 264, 114700	10.7	19
48	Delocalized electron effect on single metal sites in ultrathin conjugated microporous polymer nanosheets for boosting CO cycloaddition. <i>Science Advances</i> , 2020 , 6, eaaz4824	14.3	38
47	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	9.3	27
46	In situ controlled synthesis of porous Fe ₃ O ₄ materials from oily sludge by chlorinating calcination and their novel application in supercapacitors. <i>Environmental Science: Nano</i> , 2020 , 7, 3814-3823	7.1	5

45	Nonreductive biomineralization of uranium by <i>Bacillus subtilis</i> ATCC-6633 under aerobic conditions. <i>Journal of Environmental Radioactivity</i> , 2019 , 208-209, 106027	2.4	13
44	General strategy toward hexagonal ring-like layered double hydroxides and their application for asymmetric supercapacitors. <i>Chemical Engineering Journal</i> , 2019 , 375, 121926	14.7	32
43	Ni-Al layered double hydroxide with regulated interlayer spacing as electrode for aqueous asymmetric supercapacitor. <i>Chemical Engineering Journal</i> , 2019 , 368, 905-913	14.7	64
42	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	6.7	10
41	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	8.3	52
40	NbO ₂ Electrocatalyst Toward 32% Faradaic Efficiency for N ₂ Fixation. <i>Small Methods</i> , 2019 , 3, 1800386	12.8	77
39	Hydrothermal carbon superstructures enriched with carboxyl groups for highly efficient uranium removal. <i>Chemical Engineering Journal</i> , 2018 , 338, 734-744	14.7	82
38	Three dimensional hierarchically porous ZIF-8 derived carbon/LDH core-shell composite for high performance supercapacitors. <i>Electrochimica Acta</i> , 2018 , 263, 391-399	6.7	48
37	Mesoporous tin oxide for electrocatalytic CO reduction. <i>Journal of Colloid and Interface Science</i> , 2018 , 531, 564-569	9.3	32
36	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	21.8	44
35	Oxygen Vacancy-rich Anatase TiO ₂ Hollow Spheres Via Liquid Nitrogen Quenching Process for Enhanced Photocatalytic Hydrogen Evolution. <i>ChemCatChem</i> , 2018 , 11, 1057	5.2	9
34	Sub-5 nm SnO ₂ chemically coupled hollow carbon spheres for efficient electrocatalytic CO ₂ reduction. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 20121-20127	13	48
33	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	16.4	190
32	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	11.8	53
31	Bacterial Cellulose as a Supersoft Neural Interfacing Substrate. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 33049-33059	9.5	32
30	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	9.5	68
29	Hierarchically tubular nitrogen-doped carbon structures for the oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 13634-13638	13	18
28	Self-Assembly of Chiral Gold Clusters into Crystalline Nanocubes of Exceptional Optical Activity. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 15397-15401	16.4	127

27	Selective Etching of Nitrogen-Doped Carbon by Steam for Enhanced Electrochemical CO ₂ Reduction. <i>Advanced Energy Materials</i> , 2017 , 7, 1701456	21.8	146
26	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	21.8	84
25	Ultrathin metal-organic framework nanosheets for electrocatalytic oxygen evolution. <i>Nature Energy</i> , 2016 , 1,	62.3	1444
24	Energy Storage: Achieving High Aqueous Energy Storage via Hydrogen-Generation Passivation (Adv. Mater. 35/2016). <i>Advanced Materials</i> , 2016 , 28, 7808-7808	24	
23	Achieving High Aqueous Energy Storage via Hydrogen-Generation Passivation. <i>Advanced Materials</i> , 2016 , 28, 7626-32	24	42
22	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	13	188
21	Co/Ni-Based Nanotubes/Nanosheets as Efficient Water Splitting Electrocatalysts. <i>Advanced Energy Materials</i> , 2016 , 6, 1501661	21.8	206
20	Separator-Integrated, Reversely Connectable Symmetric Lithium-Ion Battery. <i>Small</i> , 2016 , 12, 1091-7	11	11
19	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	3.2	17
18	W ₁₈ O ₄₉ nanowires grown on g-C ₃ N ₄ sheets with enhanced photocatalytic hydrogen evolution activity under visible light. <i>Journal of Molecular Catalysis A</i> , 2016 , 418-419, 95-102		48
17	Electrocatalysts: Co/Ni-Based Nanotubes/Nanosheets as Efficient Water Splitting Electrocatalysts (Adv. Energy Mater. 3/2016). <i>Advanced Energy Materials</i> , 2016 , 6,	21.8	21
16	Photoelectrochemical Conversion from Graphitic C ₃ N ₄ Quantum Dot Decorated Semiconductor Nanowires. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 12772-9	9.5	84
15	One-dimensional nanostructures for flexible supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 16382-16392	13	59
14	Positive enrichment of C-terminal peptides using oxazolone chemistry and biotinylation. <i>Analytical Chemistry</i> , 2015 , 87, 9916-22	7.8	17
13	Freestanding 3D graphene/cobalt sulfide composites for supercapacitors and hydrogen evolution reaction. <i>RSC Advances</i> , 2015 , 5, 6886-6891	3.7	43
12	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	13	25
11	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	9.3	83
10	CoNiO ₂ /TiNiO _x Ny composites for ultrahigh electrochemical energy storage and simultaneous glucose sensing. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 10904	13	17

9	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	4.2	14
8	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	4.2	8
7	An unusual example of morphology controlled periodic mesoporous organosilica single crystals. <i>Journal of Materials Chemistry</i> , 2010 , 20, 6460		20
6	Recent developments of nanoparticle-based enrichment methods for mass spectrometric analysis in proteomics. <i>Science China Chemistry</i> , 2010 , 53, 695-703	7.9	13
5	Boronic acid functionalized core-satellite composite nanoparticles for advanced enrichment of glycopeptides and glycoproteins. <i>Chemistry - A European Journal</i> , 2009 , 15, 10158-66	4.8	130
4	Carboxy group derivatization for enhanced electron-transfer dissociation mass spectrometric analysis of phosphopeptides. <i>Proteomics</i> , 2009 , 9, 4093-7	4.8	18
3	Controlled Synthesis of Ordered Mesoporous CuTiO_2 Nanocomposites with Crystalline Titania Frameworks from Organic-Inorganic Amphiphilic Coassembly <i>Chemistry of Materials</i> , 2008 , 20, 1140-1146	9.6	163
2	Dual-Atomic Cu Sites for Electrocatalytic CO Reduction to C_2^+ Products 1729-1737		10
1	Atomic-Level Copper Sites for Selective CO_2 Electroreduction to Hydrocarbon. <i>ACS Sustainable Chemistry and Engineering</i> ,	8.3	2