

# Linxi Hou

## List of Publications by Citations

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99  
papers

2,222  
citations

28  
h-index

43  
g-index

104  
ext. papers

3,105  
ext. citations

6.8  
avg, IF

5.61  
L-index

#	Paper	IF	Citations
99	Hierarchical Porous CoS/Nitrogen-Doped Carbon@MoS Polyhedrons as pH Universal Electrocatalysts for Highly Efficient Hydrogen Evolution Reaction. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 28394-28405	9.5	135
98	Template synthesis of CoSe <sub>2</sub> /Co <sub>3</sub> Se <sub>4</sub> nanotubes: tuning of their crystal structures for photovoltaics and hydrogen evolution in alkaline medium. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 4513-4526 <sup>13</sup> 4526 <sup>125</sup>	13	125
97	Morphology-Tuned Synthesis of Nickel Cobalt Selenides as Highly Efficient Pt-Free Counter Electrode Catalysts for Dye-Sensitized Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 29486-29495 <sup>96</sup>	9.5	96
96	Highly tough supramolecular double network hydrogel electrolytes for an artificial flexible and low-temperature tolerant sensor. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 6776-6784	13	89
95	Self-powered integrated system of a strain sensor and flexible all-solid-state supercapacitor by using a high performance ionic organohydrogel. <i>Materials Horizons</i> , <b>2020</b> , 7, 2085-2096	14.4	79
94	Preparation and characterization of poly(vinyl alcohol)/sodium alginate hydrogel with high toughness and electric conductivity. <i>Carbohydrate Polymers</i> , <b>2018</b> , 186, 377-383	10.3	79
93	Metal-organic framework-derived NiCo alloy@carbon microspheres as high-performance counter electrode catalysts for dye-sensitized solar cells. <i>Chemical Engineering Journal</i> , <b>2018</b> , 334, 419-431	14.7	78
92	Indolo[3,2-b]carbazole-based multi-donor-acceptor type organic dyes for highly efficient dye-sensitized solar cells. <i>Journal of Power Sources</i> , <b>2016</b> , 319, 39-47	8.9	66
91	Nickel Cobalt Sulfide Double-Shelled Hollow Nanospheres as Superior Bifunctional Electrocatalysts for Photovoltaics and Alkaline Hydrogen Evolution. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 9379-9389	9.5	64
90	Low-cost and highly efficient CoMoS <sub>4</sub> /NiMoS <sub>4</sub> -based electrocatalysts for hydrogen evolution reactions over a wide pH range. <i>Electrochimica Acta</i> , <b>2016</b> , 213, 236-243	6.7	63
89	A mussel-inspired supramolecular hydrogel with robust tissue anchor for rapid hemostasis of arterial and visceral bleedings. <i>Bioactive Materials</i> , <b>2021</b> , 6, 2829-2840	16.7	61
88	Multifunctional Poly(vinyl alcohol) Nanocomposite Organohydrogel for Flexible Strain and Temperature Sensor. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 40815-40827	9.5	59
87	Shape-controllable syntheses of ternary Ni-Co-Se alloy hollow microspheres as highly efficient catalytic materials for dye-sensitized solar cells. <i>Chemical Engineering Journal</i> , <b>2017</b> , 315, 562-572	14.7	52
86	Amphiphilic Gemini Iridium(III) Complex as a Mitochondria-Targeted Theranostic Agent for Tumor Imaging and Photodynamic Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 15276-15289	9.5	47
85	Co-Fe-MoS <sub>x</sub> hollow nanoboxes as high-performance counter electrode catalysts for Pt-free dye-sensitized solar cells. <i>Chemical Engineering Journal</i> , <b>2018</b> , 343, 86-94	14.7	43
84	Studies of the plasticizing effect of different hydrophilic inorganic salts on starch/poly (vinyl alcohol) films. <i>International Journal of Biological Macromolecules</i> , <b>2016</b> , 82, 223-30	7.9	41
83	Stepwise synthesis of CoS <sub>2</sub> @CoS <sub>2</sub> yolk-shell nanocages with much enhanced electrocatalytic performances both in solar cells and hydrogen evolution reactions. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 12056-12065	13	39

82	Facile preparation and characterization of poly(vinyl alcohol)-NaCl-glycerol supramolecular hydrogel electrolyte. <i>European Polymer Journal</i> , <b>2018</b> , 106, 206-213	5.2	37
81	Cu-Ni-CoSex quaternary porous nanocubes as enhanced Pt-free electrocatalysts for highly efficient dye-sensitized solar cells and hydrogen evolution in alkaline medium. <i>Chemical Engineering Journal</i> , <b>2019</b> , 357, 11-20	14.7	37
80	High-performance and flexible solid-state supercapacitors based on high toughness and thermoplastic poly(vinyl alcohol)/NaCl/glycerol supramolecular gel polymer electrolyte. <i>Electrochimica Acta</i> , <b>2019</b> , 324, 134874	6.7	36
79	A coumarin-based fluorescent probe for hypochlorite ion detection in environmental water samples and living cells. <i>Talanta</i> , <b>2019</b> , 202, 303-307	6.2	33
78	Cobalt iron selenide/sulfide porous nanocubes as high-performance electrocatalysts for efficient dye-sensitized solar cells. <i>Journal of Power Sources</i> , <b>2017</b> , 369, 35-41	8.9	31
77	Humidity-Responsive Gold Aerogel for Real-Time Monitoring of Human Breath. <i>Langmuir</i> , <b>2018</b> , 34, 4908-4913	31	31
76	Preparation and characterization of quaternized poly(vinyl alcohol)/chitosan/MoS composite anion exchange membranes with high selectivity. <i>Carbohydrate Polymers</i> , <b>2018</b> , 180, 96-103	10.3	31
75	Preparation and characterization of novel magnetic FeO/chitosan/Al(OH) beads and its adsorption for fluoride. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 114, 256-262	7.9	30
74	New efficient organic dyes employing indeno[1,2-b]indole as the donor moiety for dye-sensitized solar cells. <i>Journal of Power Sources</i> , <b>2016</b> , 332, 103-110	8.9	30
73	The effect of glycerol on properties of chitosan/poly(vinyl alcohol) films with AlCl <sub>3</sub> ·6H <sub>2</sub> O aqueous solution as the solvent for chitosan. <i>Carbohydrate Polymers</i> , <b>2016</b> , 135, 191-8	10.3	29
72	Preparation and characterization of hybrid double network chitosan/poly(acrylic amide-acrylic acid) high toughness hydrogel through Al crosslinking. <i>Carbohydrate Polymers</i> , <b>2017</b> , 173, 701-706	10.3	29
71	Facile preparation of N-O codoped hierarchically porous carbon from alginate particles for high performance supercapacitor. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 563, 414-425	9.3	25
70	CoMoSx@Ni-CoMoSx double-shelled cage-in-cage hollow polyhedron as enhanced Pt-free catalytic material for high-efficiency dye-sensitized solar cell. <i>Journal of Power Sources</i> , <b>2019</b> , 417, 21-28	8.9	23
69	Molecular pπ heterojunction-enhanced visible-light hydrogen evolution over a N-doped TiO <sub>2</sub> photocatalyst. <i>Catalysis Science and Technology</i> , <b>2017</b> , 7, 2039-2049	5.5	21
68	Formation of CoTe <sub>2</sub> embedded in nitrogen-doped carbon nanotubes-grafted polyhedrons with boosted electrocatalytic properties in dye-sensitized solar cells. <i>Applied Surface Science</i> , <b>2019</b> , 476, 769-777	6.7	21
67	Template synthesis of cobalt molybdenum sulfide hollow nanoboxes as enhanced bifunctional Pt-free electrocatalysts for dye-sensitized solar cells and alkaline hydrogen evolution. <i>Electrochimica Acta</i> , <b>2018</b> , 289, 448-458	6.7	21
66	Construction of uniform Co-Sn-X (X = S, Se, Te) nanocages with enhanced photovoltaic and oxygen evolution properties via anion exchange reaction. <i>Nanoscale</i> , <b>2018</b> , 10, 22012-22024	7.7	20
65	Facile synthesis of MnO nanorods grown on porous carbon for supercapacitor with enhanced electrochemical performance. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 540, 466-475	9.3	19

64	Facile preparation of nitrogen-doped activated mesoporous carbon aerogel from chitosan for methyl orange adsorption from aqueous solution. <i>Cellulose</i> , <b>2019</b> , 26, 4515-4527	5.5	19
63	NiCo-Layered Double Hydroxide-Derived B-Doped CoP/NiP Hollow Nanoprisms as High-Efficiency Electrocatalysts for Hydrogen Evolution Reaction. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 9932-9941	9.5	18
62	Biofriendly and Regenerable Emotional Monitor from Interfacial Ultrathin 2D PDA/AuNPs Cross-linking Films. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 36259-36269	9.5	17
61	Efficient carbon dioxide electrolysis with metal nanoparticles loaded La <sub>0.75</sub> Sr <sub>0.25</sub> Cr <sub>0.5</sub> Mn <sub>0.5</sub> O <sub>3-<math>\delta</math></sub> cathodes. <i>Journal of Power Sources</i> , <b>2017</b> , 363, 177-184	8.9	17
60	Distinctive Performance of Gemini Surfactant in the Preparation of Hierarchically Porous Carbons via High-Internal-Phase Emulsion Template. <i>Langmuir</i> , <b>2018</b> , 34, 12100-12108	4	17
59	Construction of Pt-free electrocatalysts based on hierarchical CoS <sub>2</sub> /N-doped C@Co-WS <sub>2</sub> yolk-shell nano-polyhedrons for dye-sensitized solar cells. <i>Electrochimica Acta</i> , <b>2020</b> , 340, 135949	6.7	16
58	A covalent organic framework as a photocatalyst for atom transfer radical polymerization under white light irradiation. <i>Polymer Chemistry</i> , <b>2021</b> , 12, 183-188	4.9	16
57	Indeno[1,2-b]indole-based organic dyes with different acceptor groups for dye-sensitized solar cells. <i>Dyes and Pigments</i> , <b>2017</b> , 139, 274-282	4.6	15
56	Syntheses, surface activities and aggregation morphologies of a series of novel itaconic acid based asymmetrical gemini surfactants. <i>Journal of Molecular Liquids</i> , <b>2019</b> , 290, 111218	6	15
55	Co-Ni-MoS <sub>x</sub> yolk-shell nanospheres as superior Pt-free electrode catalysts for highly efficient dye-sensitized solar cells. <i>Journal of Power Sources</i> , <b>2019</b> , 412, 568-574	8.9	15
54	Highly tough, freezing-tolerant, healable and thermoplastic starch/poly(vinyl alcohol) organohydrogels for flexible electronic devices. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 18406-18420	13	15
53	A low-cost and environment friendly chitosan/aluminum hydroxide bead adsorbent for fluoride removal from aqueous solutions. <i>Iranian Polymer Journal (English Edition)</i> , <b>2018</b> , 27, 253-261	2.3	14
52	Effects of C-Related Dangling Bonds and Functional Groups on the Fluorescent and Electrochemiluminescent Properties of Carbon-Based Dots. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 4250-4254	4.8	14
51	Tunable electrorheological characteristics and mechanism of a series of graphene-like molybdenum disulfide coated core-shell structured polystyrene microspheres. <i>RSC Advances</i> , <b>2016</b> , 6, 26096-26103	3.7	13
50	Stimuli-Responsive Nanoparticles for Controlled Drug Delivery in Synergistic Cancer Immunotherapy. <i>Advanced Science</i> , <b>2021</b> , e2103444	13.6	13
49	MOF derived C/Co@C with a one-way-valve-like graphitic carbon layer for selective semi-hydrogenation of aromatic alkynes. <i>Carbon</i> , <b>2020</b> , 160, 64-70	10.4	13
48	A cyclometalated iridium(III) complex-based fluorescence probe for hypochlorite detection and its application by test strips. <i>Analytical Biochemistry</i> , <b>2019</b> , 566, 27-31	3.1	13
47	Perovskite SrFeO <sub>3</sub> decorated with Ni nanoparticles for high temperature carbon dioxide electrolysis. <i>International Journal of Hydrogen Energy</i> , <b>2018</b> , 43, 17040-17047	6.7	12

46	The Effect of glycerol on the crystalline, thermal, and tensile properties of CaCl <sub>2</sub> -doped starch/PVA films. <i>Polymer Composites</i> , <b>2016</b> , 37, 3191-3199	3	12
45	Facile Fabrication of Biochar/Al <sub>2</sub> O <sub>3</sub> Adsorbent and Its Application for Fluoride Removal from Aqueous Solution. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2019</b> , 64, 83-89	2.8	12
44	Synthesis of CoS <sub>2</sub> /SnO <sub>2</sub> @MoS <sub>2</sub> nanocube heterostructures for achieving enhanced electrocatalytic hydrogen evolution in acidic media. <i>Inorganic Chemistry Frontiers</i> , <b>2020</b> , 7, 2660-2668	6.8	11
43	Facile preparation and characterization of super tough chitosan/poly(vinyl alcohol) hydrogel with low temperature resistance and anti-swelling property. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 142, 574-582	7.9	11
42	A facile preparation method for anti-freezing, tough, transparent, conductive and thermoplastic poly(vinyl alcohol)/sodium alginate/glycerol organohydrogel electrolyte. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 164, 2512-2523	7.9	11
41	Amphiphilic gemini-iridium (III) complex for rapid and selective detection of picric acid in water and intracellular. <i>Talanta</i> , <b>2020</b> , 208, 120372	6.2	10
40	An Antifreezing, Tough, Rehydratable, and Thermoplastic Poly(vinyl alcohol)/Sodium Alginate/Poly(ethylene glycol) Organohydrogel Electrolyte for Flexible Supercapacitors. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2021</b> , 9, 9833-9845	8.3	9
39	Tuning the pore architectures of hierarchically porous carbons from high internal phase emulsion template by polyaniline-coated CNTs. <i>Colloid and Polymer Science</i> , <b>2020</b> , 298, 179-191	2.4	8
38	Heterogemini surfactant assisted synthesis of monodisperse icosahedral gold nanocrystals and their applications in electrochemical biosensing. <i>RSC Advances</i> , <b>2016</b> , 6, 31301-31307	3.7	8
37	A water-soluble cyclometalated iridium(III) complex with fluorescent sensing capability for hypochlorite. <i>Dyes and Pigments</i> , <b>2019</b> , 171, 107715	4.6	8
36	Surface patterning and modification of polyurethane biomaterials using silsesquioxane-gelatin additives for improved endothelial affinity. <i>Science China Chemistry</i> , <b>2014</b> , 57, 596-604	7.9	8
35	Controlled synthesis of porous nanosheets-assembled peony-like cobalt nickel selenides for triiodide reduction in dye-sensitized solar cells. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 818, 152817	5.7	8
34	Toughened elastomer/polyhedral oligomeric silsesquioxane (POSS)-intercalated rectorite nanocomposites: Preparation, microstructure, and mechanical properties. <i>Polymer Composites</i> , <b>2017</b> , 38, E443-E450	3	7
33	Binuclear molybdenum Schiff-base complex: An efficient catalyst for the epoxidation of alkenes. <i>Molecular Catalysis</i> , <b>2019</b> , 475, 110498	3.3	7
32	A novel mitochondria-targeted phosphorescence probe for hypochlorite ions detection in living cells. <i>Talanta</i> , <b>2020</b> , 209, 120516	6.2	7
31	Green synthesis of red-emission carbon based dots by microbial fermentation. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 8591-8595	3.6	6
30	CoMOF-74@CuMOF-74 Derived Bifunctional Co@Cu for One-Pot Production of 1, 4-Diphenyl-1, 3-Butadiene from Phenylacetylene. <i>ChemCatChem</i> , <b>2020</b> , 12, 6241-6247	5.2	6
29	NiFeWSx polynary hollow nanoboxes as promising electrode catalysts for high-efficiency triiodide reduction in dye-sensitized solar cells. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 851, 156899	5.7	6

28	Visible Light-Regulated Heterogeneous Catalytic PET-RAFT by High Crystallinity Covalent Organic Framework. <i>Macromolecular Rapid Communications</i> , <b>2021</b> , 42, e2100384	4.8	6
27	MoS <sub>2</sub> /Ni-CoS <sub>x</sub> porous nanocubes derived from NiCo prussian-blue analogs as enhanced Pt-free electrode catalysts for high-efficiency dye-sensitized solar cells. <i>Journal of Power Sources</i> , <b>2019</b> , 440, 227121	8.9	5
26	Multipath oxygen-mediated PET-RAFT polymerization by a conjugated organic polymer photocatalyst under red LED irradiation. <i>Polymer Chemistry</i> ,	4.9	5
25	Fully-conjugated covalent organic frameworks as catalyst for photo-induced atom transfer radical polymerization with ppm-level copper concentration under LED irradiation. <i>European Polymer Journal</i> , <b>2021</b> , 157, 110670	5.2	5
24	Highly flexible and adhesive poly(vinyl alcohol)/poly(acrylic amide-co-2-acrylamido-2-methylpropane sulfonic acid)/glycerin hydrogel electrolyte for stretchable and resumable supercapacitor. <i>Chemical Engineering Journal</i> , <b>2021</b> , 425, 131505	14.7	5
23	Micropore-Forming Gelatin Methacryloyl (GelMA) Bioink Toolbox 2.0: Designable Tunability and Adaptability for 3D Bioprinting Applications. <i>Small</i> , 2106357	11	5
22	Phase-Controlled Cobalt Phosphide Nanoparticles Coupled with N, P, S Co-Doped Hollow Carbon Polyhedrons as Efficient Catalysts for Both Alkaline and Acidic Hydrogen Evolution. <i>Energy Technology</i> , <b>2019</b> , 7, 1800757	3.5	4
21	Phosphorescent iridium(III) complex for efficient sensing of hypochlorite and imaging in living cells. <i>Analytical Biochemistry</i> , <b>2020</b> , 592, 113573	3.1	3
20	Organocatalyzed controlled radical polymerization with alkyl bromide initiator via in situ halogen exchange under thermal condition. <i>Polymer</i> , <b>2020</b> , 189, 122201	3.9	3
19	A quaternized poly(vinyl alcohol)/chitosan composite alkaline polymer electrolyte: preparation and characterization of the membrane. <i>Iranian Polymer Journal (English Edition)</i> , <b>2017</b> , 26, 531-539	2.3	3
18	Oxygen-enriched hierarchical porous carbon supported Co-Ni nanoparticles for promising hybrid supercapacitors via one step pyrolysis of polymerized high internal phase emulsion. <i>Journal of Alloys and Compounds</i> , <b>2022</b> , 907, 164481	5.7	3
17	Synergism Effect of Surfactant and Inorganic Salt on the Properties of Starch/Poly(Vinyl Alcohol) Film. <i>Starch/Staerke</i> , <b>2018</b> , 70, 1700146	2.3	2
16	Durable and recyclable conjugated microporous polymer mediated controlled radical polymerization under white LED light irradiation. <i>Polymer Chemistry</i> , <b>2021</b> , 12, 6714-6723	4.9	2
15	Preparation of fluorescent polystyrene nanoparticles mediated by a multi-functional amphiphilic iridium complex under visible light irradiation in aqueous solution. <i>Polymer Chemistry</i> , <b>2020</b> , 11, 795-799	4.9	2
14	Remarkable binuclear Schiff-based complex catalyze the epoxidation of alkenes: effects of substituent group. <i>Applied Organometallic Chemistry</i> , <b>2020</b> , 34, e5608	3.1	2
13	Visible Light-Triggered PET-RAFT Polymerization by Heterogeneous 2D Porphyrin-Based COF Photocatalyst under Aqueous Condition. <i>European Polymer Journal</i> , <b>2022</b> , 111306	5.2	2
12	Influences of nonsolvent on the morphologies and electrochemical properties of carbon nanofibres from electrospun polyacrylonitrile nanofibres. <i>Bulletin of Materials Science</i> , <b>2018</b> , 41, 1	1.7	1
11	Preparation of N-doped porous carbons via high internal phase emulsion template. <i>Progress in Natural Science: Materials International</i> , <b>2021</b> , 31, 270-278	3.6	1

10	Bimetallic-organic Frameworks CoMo-ZIF-67: An Efficient and Stable Catalyst for Selective Oxidation of Alkenes. <i>ChemCatChem</i> , <b>2021</b> , 13, 416-424	5.2	1
9	Temperature-sensitive poly(N-isopropylacrylamide)–reduced graphene oxide/polysulfone as smart separation membrane: structure and performance. <i>Iranian Polymer Journal (English Edition)</i> , <b>2018</b> , 27, 951-963	2.3	1
8	Imine-based covalent organic framework as photocatalyst for visible-light-induced atom transfer radical polymerization. <i>Journal of Polymer Science</i> , <b>2021</b> , 59, 2036-2044	2.4	1
7	Efficient Persistent Luminescence Tuning Using a Cyclodextrin Inclusion Complex as Efficient Light Conversion Materials. <i>ACS Omega</i> , <b>2021</b> , 6, 25585-25593	3.9	1
6	Asymmetrical Gemini Surfactants Directed Synthesis Of Hierarchical ZSM-5 Zeolites and Their Immobilization of Molybdenum Complex for the Catalytic Epoxidation of Alkenes. <i>ChemCatChem</i> , <b>2021</b> , 13, 4442	5.2	1
5	Tough and anti-fatigue double network gelatin/polyacrylamide/DMSO/Na2SO4 ionic conductive organohydrogel for flexible strain sensor. <i>European Polymer Journal</i> , <b>2022</b> , 168, 111099	5.2	1
4	Nitrogen, sulfur co-doped porous carbon via high internal phase emulsion template and its potential application as the electrode of high-performance supercapacitor. <i>Journal of Applied Polymer Science</i> , 52417	2.9	1
3	A sensitive "Switch-on" phosphorescent probe for ferrous iron quantification in drug and In vitro imaging of living cells. <i>Talanta</i> , <b>2020</b> , 217, 121097	6.2	0
2	Epoxy-based composites with enhanced thermal properties through collective effect of different particle size fillers. <i>Polymers and Polymer Composites</i> , <b>2022</b> , 30, 096739112211066	0.8	0
1	Synthesis of porous silica materials with tunable morphologies and nanopore sizes using heterogemini surfactants. <i>Micro and Nano Letters</i> , <b>2018</b> , 13, 725-727	0.9	