

# Chun-Sen Liu

## List of Publications by Citations

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239  
papers

14,905  
citations

68  
h-index

113  
g-index

248  
ext. papers

18,282  
ext. citations

9.3  
avg, IF

7.51  
L-index

#	Paper	IF	Citations
239	Design and construction of coordination polymers with mixed-ligand synthetic strategy. <i>Coordination Chemistry Reviews</i> , <b>2013</b> , 257, 1282-1305	23.2	648
238	Transition-Metal (Fe, Co, Ni) Based Metal-Organic Frameworks for Electrochemical Energy Storage. <i>Advanced Energy Materials</i> , <b>2017</b> , 7, 1602733	21.8	582
237	Transition Metal Sulfides Based on Graphene for Electrochemical Energy Storage. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1703259	21.8	479
236	Synthesis of micro/nanoscaled metal-organic frameworks and their direct electrochemical applications. <i>Chemical Society Reviews</i> , <b>2020</b> , 49, 301-331	58.5	416
235	Metal-Organic frameworks as a platform for clean energy applications. <i>EnergyChem</i> , <b>2020</b> , 2, 100027	36.9	377
234	Transition metal oxides with one-dimensional/one-dimensional-analogue nanostructures for advanced supercapacitors. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 8155-8186	13	317
233	Facile synthesis of mesoporous Ni <sub>0.3</sub> Co <sub>2.7</sub> O <sub>4</sub> hierarchical structures for high-performance supercapacitors. <i>Energy and Environmental Science</i> , <b>2013</b> , 6, 3619	35.4	307
232	Facile synthesis of an accordion-like Ni-MOF superstructure for high-performance flexible supercapacitors. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 19078-19085	13	305
231	Ultrathin Nickel-Cobalt Phosphate 2D Nanosheets for Electrochemical Energy Storage under Aqueous/Solid-State Electrolyte. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1605784	15.6	297
230	One-pot synthesis of heterogeneous Co <sub>3</sub> O <sub>4</sub> -nanocube/Co(OH) <sub>2</sub> -nanosheet hybrids for high-performance flexible asymmetric all-solid-state supercapacitors. <i>Nano Energy</i> , <b>2017</b> , 35, 138-145	17.1	262
229	Nitrogen-Doped Cobalt Oxide Nanostructures Derived from Cobalt-Alanine Complexes for High-Performance Oxygen Evolution Reactions. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1800886	15.6	239
228	Vanadium based materials as electrode materials for high performance supercapacitors. <i>Journal of Power Sources</i> , <b>2016</b> , 329, 148-169	8.9	216
227	Facile synthesis and superior electrochemical performances of CoNi <sub>2</sub> S <sub>4</sub> /graphene nanocomposite suitable for supercapacitor electrodes. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 9613-9619	13	215
226	Template-directed synthesis of a luminescent Tb-MOF material for highly selective Fe <sup>3+</sup> and Al <sup>3+</sup> ion detection and VOC vapor sensing. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 2311-2317	7.1	213
225	Divergent kinetic and thermodynamic hydration of a porous Cu(II) coordination polymer with exclusive CO <sub>2</sub> sorption selectivity. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 10906-9	16.4	213
224	Semiconductive Copper(I)-Organic Frameworks for Efficient Light-Driven Hydrogen Generation Without Additional Photosensitizers and Cocatalysts. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 14637-14641	16.4	201
223	Microwave-assisted synthesis of NiS <sub>2</sub> nanostructures for supercapacitors and cocatalytic enhancing photocatalytic H <sub>2</sub> production. <i>Scientific Reports</i> , <b>2014</b> , 4, 3577	4.9	190

222	Metal-organic framework composites and their electrochemical applications. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 7301-7327	13	186
221	Ultrathin two-dimensional cobalt-organic framework nanosheets for high-performance electrocatalytic oxygen evolution. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 22070-22076	13	182
220	Nanostructured graphene-based materials for flexible energy storage. <i>Energy Storage Materials</i> , <b>2017</b> , 9, 150-169	19.4	177
219	Activated carbon with ultrahigh specific surface area synthesized from natural plant material for lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 15889-15896	13	161
218	Ni and NiO Nanoparticles Decorated Metal-Organic Framework Nanosheets: Facile Synthesis and High-Performance Nonenzymatic Glucose Detection in Human Serum. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 22342-22349	9.5	154
217	Morphology effect on antibacterial activity of cuprous oxide. <i>Chemical Communications</i> , <b>2009</b> , 1076-8	5.8	144
216	Facile synthesis of nickel oxide nanotubes and their antibacterial, electrochemical and magnetic properties. <i>Chemical Communications</i> , <b>2009</b> , 7542-4	5.8	138
215	Applications of Metal-Organic-Framework-Derived Carbon Materials. <i>Advanced Materials</i> , <b>2019</b> , 31, e1804740	14.7	136
214	Facile Synthesis of Vanadium Metal-Organic Frameworks for High-Performance Supercapacitors. <i>Small</i> , <b>2018</b> , 14, e1801815	11	128
213	Syntheses and Energy Storage Applications of M <sub>x</sub> S <sub>y</sub> (M = Cu, Ag, Au) and Their Composites: Rechargeable Batteries and Supercapacitors. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1703949	15.6	126
212	Facile synthesis of porous ZnO-NiO composite micropolyhedrons and their application for high power supercapacitor electrode materials. <i>Dalton Transactions</i> , <b>2012</b> , 41, 13284-91	4.3	118
211	Noble metal-based materials in high-performance supercapacitors. <i>Inorganic Chemistry Frontiers</i> , <b>2017</b> , 4, 33-51	6.8	117
210	An anionic Na(i)-organic framework platform: separation of organic dyes and post-modification for highly sensitive detection of picric acid. <i>Chemical Communications</i> , <b>2017</b> , 53, 10668-10671	5.8	116
209	Facile synthesis of ultrathin Ni-MOF nanobelts for high-efficiency determination of glucose in human serum. <i>Journal of Materials Chemistry B</i> , <b>2017</b> , 5, 5234-5239	7.3	114
208	One-step synthesis of CoNi <sub>2</sub> S <sub>4</sub> nanoparticles for supercapacitor electrodes. <i>RSC Advances</i> , <b>2014</b> , 4, 69983-7	3.7	113
207	Fe(III)-based metal-organic framework-derived core-shell nanostructure: Sensitive electrochemical platform for high trace determination of heavy metal ions. <i>Biosensors and Bioelectronics</i> , <b>2017</b> , 94, 358-364	11.8	106
206	Core-shell materials for advanced batteries. <i>Chemical Engineering Journal</i> , <b>2019</b> , 355, 208-237	14.7	106
205	Pore modulation of zirconium-organic frameworks for high-efficiency detection of trace proteins. <i>Chemical Communications</i> , <b>2017</b> , 53, 3941-3944	5.8	102

204	FeO -Based Materials for Electrochemical Energy Storage. <i>Advanced Science</i> , <b>2018</b> , 5, 1700986	13.6	101
203	Facile one-pot generation of metal oxide/hydroxide@metal-organic framework composites: highly efficient bifunctional electrocatalysts for overall water splitting. <i>Chemical Communications</i> , <b>2019</b> , 55, 10904-10907	5.8	97
202	Dual-Emitting Dye@MOF Composite as a Self-Calibrating Sensor for 2,4,6-Trinitrophenol. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 24671-24677	9.5	95
201	Two-Dimensional Zirconium-Based Metal-Organic Framework Nanosheet Composites Embedded with Au Nanoclusters: A Highly Sensitive Electrochemical Aptasensor toward Detecting Cocaine. <i>ACS Sensors</i> , <b>2017</b> , 2, 998-1005	9.2	94
200	A review of electrochemical energy storage behaviors based on pristine metal-organic frameworks and their composites. <i>Coordination Chemistry Reviews</i> , <b>2020</b> , 416, 213341	23.2	94
199	Polypyrrole coated hollow metal-organic framework composites for lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 19465-19470	13	94
198	Dynamic structural transformations of coordination supramolecular systems upon exogenous stimulation. <i>Chemical Communications</i> , <b>2015</b> , 51, 2768-81	5.8	92
197	Ultrathin two-dimensional cobalt-organic frameworks nanosheets for electrochemical energy storage. <i>Chemical Engineering Journal</i> , <b>2019</b> , 373, 1319-1328	14.7	91
196	Selective synthesis of nickel oxide nanowires and length effect on their electrochemical properties. <i>Nanoscale</i> , <b>2010</b> , 2, 920-2	7.7	91
195	Applications of Tin Sulfide-Based Materials in Lithium-Ion Batteries and Sodium-Ion Batteries. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2001298	15.6	90
194	A novel strategy for the synthesis of highly stable ternary SiO <sub>x</sub> composites for Li-ion-battery anodes. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 15969-15974	13	89
193	Few-layered CoHPO <sub>4</sub> · 3H <sub>2</sub> O ultrathin nanosheets for high performance of electrode materials for supercapacitors. <i>Nanoscale</i> , <b>2013</b> , 5, 5752-7	7.7	89
192	Highly stable aluminum-based metal-organic frameworks as biosensing platforms for assessment of food safety. <i>Biosensors and Bioelectronics</i> , <b>2017</b> , 91, 804-810	11.8	82
191	Development and application of self-healing materials in smart batteries and supercapacitors. <i>Chemical Engineering Journal</i> , <b>2020</b> , 380, 122565	14.7	81
190	Ultrathin nanosheet-assembled [Ni(OH)(PTA)(HO)] <sub>2</sub> H <sub>2</sub> O hierarchical flowers for high-performance electrocatalysis of glucose oxidation reactions. <i>Nanoscale</i> , <b>2018</b> , 10, 13270-13276	7.7	80
189	Porous nanocubic Mn <sub>3</sub> O <sub>4</sub> -Co <sub>3</sub> O <sub>4</sub> composites and their application as electrochemical supercapacitors. <i>Dalton Transactions</i> , <b>2012</b> , 41, 10175-81	4.3	80
188	Non-noble metal-transition metal oxide materials for electrochemical energy storage. <i>Energy Storage Materials</i> , <b>2018</b> , 15, 171-201	19.4	78
187	Facile Synthesis of Ultrathin Nickel-Cobalt Phosphate 2D Nanosheets with Enhanced Electrocatalytic Activity for Glucose Oxidation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 2360-2367	9.5	77

186	Moisture-Stable Zn(II) Metal-Organic Framework as a Multifunctional Platform for Highly Efficient CO <sub>2</sub> Capture and Nitro Pollutant Vapor Detection. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 18043-50	9.5	76
185	Fabrication, characteristics and applications of carbon materials with different morphologies and porous structures produced from wood liquefaction: A review. <i>Chemical Engineering Journal</i> , <b>2019</b> , 364, 226-243	14.7	75
184	Dual-Functionalized Mixed Keggin- and Lindqvist-Type Cu-Based POM@MOF for Visible-Light-Driven H and O Evolution. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 7229-7235	5.1	75
183	Two-Dimensional MOF and COF Nanosheets: Synthesis and Applications in Electrochemistry. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 6402-6422	4.8	75
182	Advanced batteries based on manganese dioxide and its composites. <i>Energy Storage Materials</i> , <b>2018</b> , 12, 284-309	19.4	75
181	In Situ Anchoring Polymetallic Phosphide Nanoparticles within Porous Prussian Blue Analogue Nanocages for Boosting Oxygen Evolution Catalysis. <i>Nano Letters</i> , <b>2021</b> , 21, 3016-3025	11.5	75
180	Smart Yolk/Shell [email[protected]] Hybrids as Efficient Electrocatalysts for the Oxygen Evolution Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 5027-5033	8.3	72
179	Cobalt phosphite microarchitectures assembled by ultralong nanoribbons and their application as effective electrochemical capacitor electrode materials. <i>Nanoscale</i> , <b>2013</b> , 5, 503-7	7.7	72
178	Porous nickel oxide nanospindles with huge specific capacitance and long-life cycle. <i>RSC Advances</i> , <b>2012</b> , 2, 2257	3.7	72
177	A multifunctional self-healing G-PyB/KCl hydrogel: smart conductive, rapid room-temperature phase-selective gelation, and ultrasensitive detection of alpha-fetoprotein. <i>Chemical Communications</i> , <b>2019</b> , 55, 7922-7925	5.8	71
176	Facile synthesis of amorphous aluminum vanadate hierarchical microspheres for supercapacitors. <i>Inorganic Chemistry Frontiers</i> , <b>2016</b> , 3, 791-797	6.8	70
175	Copper metal-organic framework nanocrystal for plane effect nonenzymatic electro-catalytic activity of glucose. <i>Nanoscale</i> , <b>2014</b> , 6, 10989-94	7.7	70
174	Synthesis of copper(II) coordination polymers and conversion into CuO nanostructures with good photocatalytic, antibacterial and lithium ion battery performances. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 12609		70
173	Exposing {001} Crystal Plane on Hexagonal Ni-MOF with Surface-Grown Cross-Linked Mesh-Structures for Electrochemical Energy Storage. <i>Small</i> , <b>2019</b> , 15, e1902463	11	69
172	A bracket approach to improve the stability and gas sorption performance of a metal-organic framework via in situ incorporating the size-matching molecular building blocks. <i>Chemical Communications</i> , <b>2016</b> , 52, 8413-6	5.8	69
171	A water-stable Eu-based MOF as a dual-emission luminescent sensor for discriminative detection of nitroaromatic pollutants. <i>Dalton Transactions</i> , <b>2019</b> , 48, 1843-1849	4.3	68
170	Ultrathin Cu-MOF@EMnO <sub>2</sub> nanosheets for aqueous electrolyte-based high-voltage electrochemical capacitors. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 17329-17336	13	66
169	Dual anode materials for lithium- and sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 4236-4259	13	65

168	Amorphous Intermediate Derivative from ZIF-67 and Its Outstanding Electrocatalytic Activity. <i>Small</i> , <b>2020</b> , 16, e1904252	11	65
167	2D zirconium-based metal-organic framework nanosheets for highly sensitive detection of mucin 1: consistency between electrochemical and surface plasmon resonance methods. <i>2D Materials</i> , <b>2017</b> , 4, 025098	5.9	62
166	The application of CeO <sub>2</sub> -based materials in electrocatalysis. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 17675-17702	13	62
165	Iron oxide@mesoporous carbon architectures derived from an Fe(II)-based metal organic framework for highly sensitive oxytetracycline determination. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 19378-19389	13	61
164	Cobalt-Doped Nickel Phosphite for High Performance of Electrochemical Energy Storage. <i>Small</i> , <b>2018</b> , 14, e1703811	11	57
163	A sensitive and selective nitrite sensor based on a glassy carbon electrode modified with gold nanoparticles and sulfonated graphene. <i>Mikrochimica Acta</i> , <b>2013</b> , 180, 821-827	5.8	57
162	Glycine-assisted double-solvothermal approach for various cuprous oxide structures with good catalytic activities. <i>CrystEngComm</i> , <b>2010</b> , 12, 406-412	3.3	57
161	Cobalt vanadium oxide thin nanoplates: primary electrochemical capacitor application. <i>Scientific Reports</i> , <b>2014</b> , 4, 5687	4.9	56
160	Ratiometric fluorescence sensing and colorimetric decoding methanol by a bimetallic lanthanide-organic framework. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 265, 104-109	8.5	56
159	Facile synthesis of porous nickel manganite materials and their morphology effect on electrochemical properties. <i>RSC Advances</i> , <b>2012</b> , 2, 5930	3.7	56
158	Glucose-assisted synthesis of copper micropuzzles and their application as nonenzymatic glucose sensors. <i>Chemical Communications</i> , <b>2010</b> , 46, 2010-2	5.8	56
157	Pore modulation of metal-organic frameworks towards enhanced hydrothermal stability and acetylene uptake via incorporation of different functional brackets. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 4861-4867	13	55
156	Polyoxometalate-based materials for advanced electrochemical energy conversion and storage. <i>Chemical Engineering Journal</i> , <b>2018</b> , 351, 441-461	14.7	55
155	A new strategy for the controllable growth of MOF@PBA architectures. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 17266-17271	13	54
154	Aptamer-Embedded Zirconium-Based Metal-Organic Framework Composites Prepared by De Novo Bio-Inspired Approach with Enhanced Biosensing for Detecting Trace Analytes. <i>ACS Sensors</i> , <b>2017</b> , 2, 982-989	9.2	54
153	Sodium-Doped Mesoporous Ni <sub>2</sub> P <sub>2</sub> O <sub>7</sub> Hexagonal Tablets for High-Performance Flexible All-Solid-State Hybrid Supercapacitors. <i>Chemistry - an Asian Journal</i> , <b>2015</b> , 10, 1731-7	4.5	54
152	Si-based materials derived from biomass: synthesis and applications in electrochemical energy storage. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 22123-22147	13	53
151	Ligand Symmetry Modulation for Designing a Mesoporous Metal-Organic Framework: Dual Reactivity to Transition and Lanthanide Metals for Enhanced Functionalization. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 9713-9	4.8	53

150	Cu superstructures fabricated using tree leaves and CuMnO <sub>2</sub> superstructures for high performance supercapacitors. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 5053	13	53
149	Reed Leaves as a Sustainable Silica Source for 3D Mesoporous Nickel (Cobalt) Silicate Architectures Assembled into Ultrathin Nanoflakes for High-Performance Supercapacitors. <i>Advanced Materials Interfaces</i> , <b>2015</b> , 2, 1400377	4.6	51
148	Nickel Phosphite Superstructures Assembled by Nanotubes: Original Application for Effective Electrode Materials of Supercapacitors. <i>ChemPlusChem</i> , <b>2013</b> , 78, 546-553	2.8	51
147	Anchoring ZIF-67 particles on amidoximerized polyacrylonitrile fibers for radionuclide sequestration in wastewater and seawater. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 395, 122692	12.8	51
146	Core-shell-type ZIF-8@ZIF-67@POM hybrids as efficient electrocatalysts for the oxygen evolution reaction. <i>Inorganic Chemistry Frontiers</i> , <b>2019</b> , 6, 2514-2520	6.8	50
145	Electrodeposition of cobalt oxide nanoparticles on reduced graphene oxide: a two-dimensional hybrid for enzyme-free glucose sensing. <i>Journal of Solid State Electrochemistry</i> , <b>2014</b> , 18, 1049-1056	2.6	50
144	A Review of MOFs and Their Composites-Based Photocatalysts: Synthesis and Applications. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2104231	15.6	50
143	Ligand Symmetry Modulation for Designing Mixed-Ligand Metal-Organic Frameworks: Gas Sorption and Luminescence Sensing Properties. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 8892-7	5.1	50
142	Stable Layered Semiconductive Cu(I)-Organic Framework for Efficient Visible-Light-Driven Cr(VI) Reduction and H <sub>2</sub> Evolution. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 7975-7981	5.1	49
141	Clean utilization of palm kernel shell: sustainable and naturally heteroatom-doped porous activated carbon for lithium-sulfur batteries. <i>Rare Metals</i> , <b>2020</b> , 39, 1099-1106	5.5	48
140	Room temperature synthesis of cobalt-manganese-nickel oxalates micropolyhedrons for high-performance flexible electrochemical energy storage device. <i>Scientific Reports</i> , <b>2015</b> , 5, 8536	4.9	46
139	Different positive electrode materials in organic and aqueous systems for aluminium ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 14391-14418	13	45
138	Cobalt pyrophosphate nano/microstructures as promising electrode materials of supercapacitor. <i>Journal of Solid State Electrochemistry</i> , <b>2013</b> , 17, 1383-1391	2.6	45
137	Synthesis of confining cobalt nanoparticles within SiO <sub>2</sub> /nitrogen-doped carbon framework derived from sustainable bamboo leaves as oxygen electrocatalysts for rechargeable Zn-air batteries. <i>Chemical Engineering Journal</i> , <b>2020</b> , 401, 126005	14.7	44
136	One Dimensional Silver-based Nanomaterials: Preparations and Electrochemical Applications. <i>Small</i> , <b>2017</b> , 13, 1701091	11	42
135	Mesoporous uniform ammonium nickel phosphate hydrate nanostructures as high performance electrode materials for supercapacitors. <i>CrystEngComm</i> , <b>2013</b> , 15, 5950	3.3	42
134	Porous pyrrhotite FeS nanowire/SiO <sub>2</sub> /nitrogen-doped carbon matrix for high-performance Li-ion-battery anodes. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 561, 801-807	9.3	42
133	Mesoporous 3D ZnO@NiO architectures for high-performance supercapacitor electrode materials. <i>CrystEngComm</i> , <b>2014</b> , 16, 4169-4175	3.3	41

- 132 Design of hollow carbon-based materials derived from metal-organic frameworks for electrocatalysis and electrochemical energy storage. *Journal of Materials Chemistry A*, **2021**, 9, 3880-3917<sup>3</sup> 41
- 131 NH<sub>4</sub>CoPO<sub>4</sub>·H<sub>2</sub>O microbundles consisting of one-dimensional layered microrods for high performance supercapacitors. *RSC Advances*, **2014**, 4, 340-347 3.7 40
- 130 Recent advances in the development of electronically and ionically conductive metal-organic frameworks. *Coordination Chemistry Reviews*, **2021**, 439, 213915 23.2 40
- 129 Hierarchically Porous NaCoPO<sub>4</sub>·0.3O<sub>4</sub> Hollow Microspheres for Flexible Asymmetric Solid-State Supercapacitors. *Particle and Particle Systems Characterization*, **2015**, 32, 831-839 3.1 39
- 128 Design and synthesis of nitrogen-doped hexagonal NiCoO nanoplates derived from Ni-Co-MOF for high-performance electrochemical energy storage. *Chinese Chemical Letters*, **2020**, 31, 2280-2286 8.1 38
- 127 Nitrogen-, phosphorus-doped carbon/carbon nanotube CoP dodecahedra by controlling zinc content for high-performance electrocatalytic oxygen evolution. *Rare Metals*, **2020**, 39, 680-687 5.5 37
- 126 Microporous Cobalt(II)-Organic Framework with Open O-Donor Sites for Effective CH<sub>4</sub> Storage and CH<sub>4</sub>/CO Separation at Room Temperature. *Inorganic Chemistry*, **2017**, 56, 14767-14770 5.1 37
- 125 Graphene oxide induced growth of one-dimensional fusiform zirconia nanostructures for highly selective capture of phosphopeptides. *Chemical Communications*, **2011**, 47, 11772-4 5.8 37
- 124 Synthesis of Quasi-Ce-MOF Electro-catalysts for Enhanced Urea Oxidation Reaction Performance. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 8675-8680 8.3 36
- 123 The Research Development of Quantum Dots in Electrochemical Energy Storage. *Small*, **2018**, 14, e1801479 36
- 122 The Morphology Evolution of Nickel Phosphite Hexagonal Polyhedrons and Their Primary Electrochemical Capacitor Applications. *Particle and Particle Systems Characterization*, **2013**, 30, 287-295<sup>3.1</sup> 36
- 121 MoS<sub>2</sub>/graphene composites: Fabrication and electrochemical energy storage. *Energy Storage Materials*, **2020**, 33, 470-502 19.4 36
- 120 Self-assembled 3D architectures of NaCe(MoO<sub>4</sub>)<sub>2</sub> and their application as absorbents. *CrystEngComm*, **2012**, 14, 7330 3.3 35
- 119 Mesoporous ZnO-NiO architectures for use in a high-performance nonenzymatic glucose sensor. *Mikrochimica Acta*, **2014**, 181, 1581-1589 5.8 34
- 118 Facile synthesis of cerium oxide nanostructures for rechargeable lithium battery electrode materials. *RSC Advances*, **2014**, 4, 14872-14878 3.7 34
- 117 Versatile mesoporous Dy(III) coordination framework for highly efficient trapping of diverse pollutants. *Inorganic Chemistry*, **2014**, 53, 7074-6 5.1 33
- 116 Controllable synthesis of a mesoporous NiO/Ni nanorod as an excellent catalyst for urea electro-oxidation. *Inorganic Chemistry Frontiers*, **2020**, 7, 2089-2096 6.8 31
- 115 Ultrathin nickel terephthalate nanosheet three-dimensional aggregates with disordered layers for highly efficient overall urea electrolysis. *Chemical Engineering Journal*, **2020**, 395, 125166 14.7 31



114	Nitrogen-Doped Carbon/Copper Nanohybrids as Electrocatalysts in H <sub>2</sub> O <sub>2</sub> and Glucose Sensing. <i>ChemElectroChem</i> , <b>2014</b> , 1, 799-807	4.3	31
113	Cu/Cu <sub>2</sub> O nanostructures derived from copper oxalate as high performance electrocatalyst for glucose oxidation. <i>Chinese Chemical Letters</i> , <b>2020</b> , 31, 1941-1945	8.1	31
112	Metal/Organic Framework-Based Hybrid Frameworks. <i>Small Structures</i> , <b>2021</b> , 2, 2000078	8.7	31
111	Highly dispersed and stabilized nickel nanoparticle/silicon oxide/nitrogen-doped carbon composites for high-performance glucose electrocatalysis. <i>Sensors and Actuators B: Chemical</i> , <b>2019</b> , 297, 126809	8.5	30
110	Preparation of electrochemically reduced graphene oxide-modified electrode and its application for determination of p-aminophenol. <i>Journal of Solid State Electrochemistry</i> , <b>2012</b> , 16, 2883-2889	2.6	29
109	A High-Efficiency Electrocatalyst for Oxidizing Glucose: Ultrathin Nanosheet Co-Based Organic Framework Assemblies. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 8986-8992	8.3	28
108	Hydrothermal Synthesis of Nickel Phosphate Nanorods for High-Performance Flexible Asymmetric All-Solid-State Supercapacitors. <i>Particle and Particle Systems Characterization</i> , <b>2015</b> , 32, 880-885	3.1	28
107	Low-Symmetry Iron Oxide Nanocrystals Bound by High-Index Facets. <i>Angewandte Chemie</i> , <b>2010</b> , 122, 6472-6476	3.6	28
106	Niobium/tantalum-based materials: Synthesis and applications in electrochemical energy storage. <i>Chemical Engineering Journal</i> , <b>2020</b> , 380, 122428	14.7	28
105	Small molecule-based supramolecular-polymer double-network hydrogel electrolytes for ultra-stretchable and waterproof Zn/Bi batteries working from 0 to 100 °C. <i>Energy and Environmental Science</i> ,	35.4	28
104	Rhodium(III)-Catalyzed Cascade [5 + 1] Annulation/5-exo-Cyclization Initiated by C-H Activation: 1,6-Diynes as One-Carbon Reaction Partners. <i>Organic Letters</i> , <b>2018</b> , 20, 3245-3249	6.2	28
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102	Copper-Based Nanomaterials for High-Performance Lithium-Ion Batteries. <i>Particle and Particle Systems Characterization</i> , <b>2016</b> , 33, 784-810	3.1	27
101	When Conductive MOFs Meet MnO: High Electrochemical Energy Storage Performance in an Aqueous Asymmetric Supercapacitor. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 33083-33090	9.5	27
100	Pyridine-modulated Ni/Co bimetallic metal-organic framework nanoplates for electrocatalytic oxygen evolution. <i>Science China Materials</i> , <b>2021</b> , 64, 137-148	7.1	27
99	Mesoporous Ni <sub>0.3</sub> Co <sub>2.7</sub> O <sub>4</sub> hierarchical structures for effective non-enzymatic glucose detection. <i>RSC Advances</i> , <b>2014</b> , 4, 33514-33519	3.7	26
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97	Controlled fabrication and property studies of nickel hydroxide and nickel oxide nanostructures. <i>CrystEngComm</i> , <b>2010</b> , 12, 1404-1409	3.3	25

96	Metal-Organic Frameworks Nanocomposites with Different Dimensionalities for Energy Conversion and Storage. <i>Advanced Energy Materials</i> , 2100346	21.8	25
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93	Ni/Co bimetallic organic framework nanosheet assemblies for high-performance electrochemical energy storage. <i>Nanoscale</i> , <b>2020</b> , 12, 10685-10692	7.7	24
92	Electrochemical determination of glutathione based on an electrodeposited nickel oxide nanoparticles-modified glassy carbon electrode. <i>Analytical Methods</i> , <b>2013</b> , 5, 1779	3.2	23
91	Electrocatalysts optimized with nitrogen coordination for high-performance oxygen evolution reaction. <i>Coordination Chemistry Reviews</i> , <b>2020</b> , 422, 213468	23.2	23
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87	Immobilization of polyoxometalate in a cage-based metal-organic framework towards enhanced stability and highly effective dye degradation. <i>Polyhedron</i> , <b>2018</b> , 152, 108-113	2.7	22
86	Semiconductive Copper(I)-Organic Frameworks for Efficient Light-Driven Hydrogen Generation Without Additional Photosensitizers and Cocatalysts. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 14829-14833	3.6	21
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82	Nickel hydroxide-nickel nano hybrids indirectly from coordination microfibers for high-performance supercapacitor electrodes. <i>Inorganic Chemistry Frontiers</i> , <b>2015</b> , 2, 129-135	6.8	20
81	Oxalate-derived porous prismatic nickel/nickel oxide nanocomposites toward lithium-ion battery. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 580, 614-622	9.3	20
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