

Qianling Zhang

List of Publications by Year in descending order

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96
papers

5,142
citations

101384

36
h-index

95083

68
g-index

99
all docs

99
docs citations

99
times ranked

5711
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | A universal, facile and ultrafast monomer-tuned strategy to construct multi-dimensional hierarchical polymer structures and applications for lithium-ion batteries. <i>Chemical Engineering Journal</i> , 2022, 428, 131135. | 6.6 | 10 |
| 2 | Sonodynamic cancer therapy by novel iridium-gold nanoassemblies. <i>Chinese Chemical Letters</i> , 2022, 33, 1907-1912. | 4.8 | 16 |
| 3 | Efficient capture and conversion of polysulfides by zinc protoporphyrin framework-embedded triple-layer nanofiber separator for advanced Li-S batteries. <i>Journal of Colloid and Interface Science</i> , 2022, 609, 43-53. | 5.0 | 9 |
| 4 | Deeply self-reconstructing $\text{CoFe}(\text{H}_3\text{O})(\text{PO}_4)_2$ to low-crystalline $\text{Fe}_{0.5}\text{Co}_{0.5}\text{OOH}$ with Fe^{3+} motifs for oxygen evolution reaction. <i>Applied Catalysis B: Environmental</i> , 2022, 304, 120986. | 10.8 | 36 |
| 5 | Elucidating the activity, mechanism and application of selective electrosynthesis of ammonia from nitrate on cobalt phosphide. <i>Energy and Environmental Science</i> , 2022, 15, 760-770. | 15.6 | 133 |
| 6 | N-Doped Graphene Supported Cu Single Atoms: Highly Efficient Recyclable Catalyst for Enhanced C-N Coupling Reactions. <i>ACS Nano</i> , 2022, 16, 1142-1149. | 7.3 | 36 |
| 7 | Rational design of Ru species on N-doped graphene promoting water dissociation for boosting hydrogen evolution reaction. <i>Science China Chemistry</i> , 2022, 65, 521-531. | 4.2 | 12 |
| 8 | An ultrasound activated cyanine-rhenium(sc^{p}) complex for sonodynamic and gas synergistic therapy. <i>Chemical Communications</i> , 2022, 58, 3314-3317. | 2.2 | 22 |
| 9 | Band Engineering Induced Conducting 2H-Phase MoS_2 by Pd S_2 /Re Sites Modification for Hydrogen Evolution Reaction. <i>Advanced Energy Materials</i> , 2022, 12, . | 10.2 | 37 |
| 10 | Ruthenium photosensitizer anchored gold nanorods for synergistic photodynamic and photothermal therapy. <i>Dalton Transactions</i> , 2022, 51, 6846-6854. | 1.6 | 5 |
| 11 | A cerium-doped NASICON chemically coupled poly(vinylidene fluoride-hexafluoropropylene)-based polymer electrolyte for high-rate and high-voltage quasi-solid-state lithium metal batteries. <i>Journal of Energy Chemistry</i> , 2022, 73, 311-321. | 7.1 | 11 |
| 12 | Fluorine-free prepared two-dimensional molybdenum boride (MBene) as a promising anode for lithium-ion batteries with superior electrochemical performance. <i>Chemical Engineering Journal</i> , 2022, 446, 137466. | 6.6 | 27 |
| 13 | Ultrathin MoS_2 anchored on 3D carbon skeleton containing SnS quantum dots as a high-performance anode for advanced lithium ion batteries. <i>Chemical Engineering Journal</i> , 2021, 403, 126251. | 6.6 | 105 |
| 14 | Amorphous MoS_3 decoration on 2D functionalized MXene as a bifunctional electrode for stable and robust lithium storage. <i>Chemical Engineering Journal</i> , 2021, 406, 126775. | 6.6 | 59 |
| 15 | Sulfur-Coordinated Organoiridium(III) Complexes Exert Breast Anticancer Activity via Inhibition of Wnt/ β -Catenin Signaling. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 4841-4848. | 7.2 | 16 |
| 16 | Engineering defect-rich Fe-doped NiO coupled Ni cluster nanotube arrays with excellent oxygen evolution activity. <i>Applied Catalysis B: Environmental</i> , 2021, 285, 119809. | 10.8 | 103 |
| 17 | Construction of cobalt oxyhydroxide nanosheets with rich oxygen vacancies as high-performance lithium-ion battery anodes. <i>Journal of Materials Chemistry A</i> , 2021, 9, 453-462. | 5.2 | 47 |
| 18 | Co-Mo-P carbon nanospheres derived from metal-organic frameworks as a high-performance electrocatalyst towards efficient water splitting. <i>Journal of Materials Chemistry A</i> , 2021, 9, 1143-1149. | 5.2 | 36 |

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|----|---|-----|-----------|
| 19 | Recent development and application of cyclometalated iridium(λ^3) complexes as chemical and biological probes. Dalton Transactions, 2021, 50, 6410-6417. | 1.6 | 37 |
| 20 | <i>In situ</i> formed lithium ionic conductor thin film on the surface of high-crystal-layered LiCoO_2 as a high-voltage cathode material. Materials Chemistry Frontiers, 2021, 5, 6171-6181. | 3.2 | 8 |
| 21 | Carbon nanotubes coupled with layered graphite to support SnTe nanodots as high-rate and ultra-stable lithium-ion battery anodes. Nanoscale, 2021, 13, 3782-3789. | 2.8 | 23 |
| 22 | Synthesis of V-notched half-open polymer microspheres <i>via</i> facile solvent-tuned self-assembly. New Journal of Chemistry, 2021, 45, 13964-13968. | 1.4 | 1 |
| 23 | Molecular design of stapled pentapeptides as building blocks of self-assembled coiled coil-like fibers. Science Advances, 2021, 7, . | 4.7 | 12 |
| 24 | Electrochemical Construction of Low-Crystalline CoOOH Nanosheets with Short-Range Ordered Grains to Improve Oxygen Evolution Activity. ACS Catalysis, 2021, 11, 6104-6112. | 5.5 | 103 |
| 25 | Water-Soluble Iridic-Porphyrin Complex for Non-invasive Sonodynamic and Sono-oxidation Therapy of Deep Tumors. ACS Applied Materials & Interfaces, 2021, 13, 27934-27944. | 4.0 | 39 |
| 26 | Ruthenium Complexes as Promising Candidates against Lung Cancer. Molecules, 2021, 26, 4389. | 1.7 | 32 |
| 27 | Diatom-like silica-protein nanocomposites for sustained drug delivery of ruthenium polypyridyl complexes. Journal of Inorganic Biochemistry, 2021, 221, 111489. | 1.5 | 9 |
| 28 | A highly potent ruthenium(II)-sonosensitizer and sonocatalyst for <i>in vivo</i> sonotherapy. Nature Communications, 2021, 12, 5001. | 5.8 | 78 |
| 29 | Ultra-low loaded Ni^{2+} /Fe Dimer Anchored to Nitrogen/Oxygen Sites for Boosting Electroreduction of Carbon Dioxide. ChemSusChem, 2021, 14, 4499-4506. | 3.6 | 9 |
| 30 | A blended gel polymer electrolyte for dendrite-free lithium metal batteries. Applied Surface Science, 2021, 569, 150899. | 3.1 | 18 |
| 31 | Multiple anionic $\text{Ni}(\text{SO}_4)_0.3(\text{OH})_{1.4}$ nanobelts/reduced graphene oxide enabled by enhanced multielectron reactions with superior lithium storage capacity. Chemical Engineering Journal, 2021, 426, 131863. | 6.6 | 3 |
| 32 | Tuning and understanding the electronic effect of Co^{II} / Mo^{VI} sites in bifunctional electrocatalysts for ultralong-lasting rechargeable zinc-air batteries. Journal of Materials Chemistry A, 2021, 9, 21716-21722. | 5.2 | 16 |
| 33 | ZIF-derived β -Ni-like $\text{Co}_9\text{S}_8/\text{CeO}_2/\text{Co}$ heterostructural nitrogen-doped carbon nanosheets as bifunctional oxygen electrocatalysts for Zn-air batteries. Nanoscale, 2021, 13, 3227-3236. | 2.8 | 33 |
| 34 | Bifunctional oxygen electrocatalysis on ultra-thin $\text{Co}_9\text{S}_8/\text{MnS}$ carbon nanosheets for all-solid-state zinc-air batteries. Journal of Materials Chemistry A, 2021, 9, 22635-22642. | 5.2 | 22 |
| 35 | Rapid ionic conductivity of ternary composite electrolytes for superior solid-state batteries with high-rate performance and long cycle life operated at room temperature. Journal of Materials Chemistry A, 2021, 9, 18338-18348. | 5.2 | 23 |
| 36 | Metal complexes against breast cancer stem cells. Dalton Transactions, 2021, 50, 14498-14512. | 1.6 | 36 |

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|----|--|------|-----------|
| 37 | Unveiling the reaction mechanism of an $\text{Sb}_2\text{S}_3/\text{Co}_9\text{S}_8/\text{NC}$ anode for high-performance lithium-ion batteries. <i>Nanoscale</i> , 2021, 13, 20041-20051. | 2.8 | 13 |
| 38 | Nonmetal Doping as a Robust Route for Boosting the Hydrogen Evolution of Metal-Based Electrocatalysts. <i>Chemistry - A European Journal</i> , 2020, 26, 3930-3942. | 1.7 | 15 |
| 39 | Highly efficient utilization of single atoms via constructing 3D and free-standing electrodes for CO_2 reduction with ultrahigh current density. <i>Nano Energy</i> , 2020, 70, 104454. | 8.2 | 106 |
| 40 | NAMI-A preferentially reacts with the Sp1 protein: understanding the anti-metastasis effect of the drug. <i>Chemical Communications</i> , 2020, 56, 1397-1400. | 2.2 | 13 |
| 41 | A HCBP1 peptide conjugated ruthenium complex for targeted therapy of hepatoma. <i>Dalton Transactions</i> , 2020, 49, 972-976. | 1.6 | 4 |
| 42 | Unconventionally fabricating defect-rich NiO nanoparticles within ultrathin metal-organic framework nanosheets to enable high-output oxygen evolution. <i>Journal of Materials Chemistry A</i> , 2020, 8, 2140-2146. | 5.2 | 66 |
| 43 | Boosting the alkaline hydrogen evolution of Ru nanoclusters anchored on B/N-doped graphene by accelerating water dissociation. <i>Nano Energy</i> , 2020, 68, 104301. | 8.2 | 138 |
| 44 | One-pot synthesis of N,S-doped pearl chain tube-loaded Ni_3S_2 composite materials for high-performance lithium-air batteries. <i>Nanoscale</i> , 2020, 12, 21770-21779. | 2.8 | 7 |
| 45 | A unique space confined strategy to construct defective metal oxides within porous nanofibers for electrocatalysis. <i>Energy and Environmental Science</i> , 2020, 13, 5097-5103. | 15.6 | 80 |
| 46 | Near-infrared phosphorescent terpyridine osmium(ⁱⁱ) photosensitizer complexes for photodynamic and photooxidation therapy. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 4020-4027. | 3.0 | 13 |
| 47 | Removing the barrier to water dissociation on single-atom Pt sites decorated with a CoP mesoporous nanosheet array to achieve improved hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2020, 8, 11246-11254. | 5.2 | 62 |
| 48 | High-Performance Overall CO_2 Splitting on Hierarchical Structured Cobalt Disulfide with Partially Removed Sulfur Edges. <i>Advanced Functional Materials</i> , 2020, 30, 2000154. | 7.8 | 26 |
| 49 | Slower Removing Ligands of Metal Organic Frameworks Enables Higher Electrocatalytic Performance of Derived Nanomaterials. <i>Small</i> , 2020, 16, e2002210. | 5.2 | 47 |
| 50 | Microenvironment-sensitive iridium(ⁱⁱⁱ) complexes for disease theranostics. <i>Dalton Transactions</i> , 2020, 49, 9182-9190. | 1.6 | 9 |
| 51 | Two dimensional ZIF-derived ultra-thin $\text{Cu}/\text{N}/\text{C}$ nanosheets as high performance oxygen reduction electrocatalysts for high-performance Zn-air batteries. <i>Nanoscale</i> , 2020, 12, 14259-14266. | 2.8 | 34 |
| 52 | In situ encapsulated and well dispersed Co_3O_4 nanoparticles as efficient and stable electrocatalysts for high-performance CO_2 reduction. <i>Journal of Materials Chemistry A</i> , 2020, 8, 15675-15680. | 5.2 | 24 |
| 53 | Recent Progress in Self-Supported Catalysts for CO_2 Electrochemical Reduction. <i>Small Methods</i> , 2020, 4, 1900826. | 4.6 | 48 |
| 54 | Carbon dioxide electroreduction on single-atom nickel decorated carbon membranes with industry compatible current densities. <i>Nature Communications</i> , 2020, 11, 593. | 5.8 | 330 |

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|----|---|------|-----------|
| 55 | Construction of tetrahedral CoO ₄ vacancies for activating the high oxygen evolution activity of Co ₃ ×O ₄ porous nanosheet arrays. <i>Nanoscale</i> , 2020, 12, 11079-11087. | 2.8 | 35 |
| 56 | Frontispiece: Nonmetal Doping as a Robust Route for Boosting the Hydrogen Evolution of Metal-Based Electrocatalysts. <i>Chemistry - A European Journal</i> , 2020, 26, . | 1.7 | 0 |
| 57 | Recent advances in lysosome-targeting luminescent transition metal complexes. <i>Coordination Chemistry Reviews</i> , 2019, 398, 113010. | 9.5 | 45 |
| 58 | Approaching Durable Single-Layer Fuel Cells: Promotion of Electroactivity and Charge Separation via Nanoalloy Redox Exsolution. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 27924-27933. | 4.0 | 74 |
| 59 | Unconventional molybdenum carbide phases with high electrocatalytic activity for hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2019, 7, 18030-18038. | 5.2 | 64 |
| 60 | Electronic structure engineering of single atomic Ru by Ru nanoparticles to enable enhanced activity for alkaline water reduction. <i>Journal of Materials Chemistry A</i> , 2019, 7, 19531-19538. | 5.2 | 33 |
| 61 | Nanomeses: General Synthesis of Ultrathin Metal Borate Nanomeses Enabled by 3D Bark-Like N-Doped Carbon for Electrocatalysis (<i>Adv. Energy Mater.</i> 28/2019). <i>Advanced Energy Materials</i> , 2019, 9, 1970109. | 10.2 | 3 |
| 62 | Scalable Production of Efficient Single-Atom Copper Decorated Carbon Membranes for CO ₂ Electroreduction to Methanol. <i>Journal of the American Chemical Society</i> , 2019, 141, 12717-12723. | 6.6 | 545 |
| 63 | Interconnected phosphorus-doped CoO-nanoparticles nanotube with three-dimensional accessible surface enables high-performance electrochemical oxidation. <i>Nano Energy</i> , 2019, 66, 104194. | 8.2 | 35 |
| 64 | The stepwise photodamage of organelles by two-photon luminescent ruthenium(II) photosensitizers. <i>Chemical Communications</i> , 2019, 55, 11235-11238. | 2.2 | 24 |
| 65 | Au@Prussian Blue Hybrid Nanomaterial Synergy with a Chemotherapeutic Drug for Tumor Diagnosis and Chemodynamic Therapy. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 39493-39502. | 4.0 | 47 |
| 66 | Highly stable single Pt atomic sites anchored on aniline-stacked graphene for hydrogen evolution reaction. <i>Energy and Environmental Science</i> , 2019, 12, 1000-1007. | 15.6 | 392 |
| 67 | Coupling pentlandite nanoparticles and dual-doped carbon networks to yield efficient and stable electrocatalysts for acid water oxidation. <i>Journal of Materials Chemistry A</i> , 2019, 7, 461-468. | 5.2 | 54 |
| 68 | Superhydrophilic Phytic Acid-Doped Conductive Hydrogels as Metal-Free and Binder-Free Electrocatalysts for Efficient Water Oxidation. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 4318-4322. | 7.2 | 168 |
| 69 | Recent progress in the hybrids of transition metals/carbon for electrochemical water splitting. <i>Journal of Materials Chemistry A</i> , 2019, 7, 14380-14390. | 5.2 | 111 |
| 70 | General Synthesis of Ultrathin Metal Borate Nanomeses Enabled by 3D Bark-Like N-Doped Carbon for Electrocatalysis. <i>Advanced Energy Materials</i> , 2019, 9, 1901130. | 10.2 | 46 |
| 71 | A phosphorescent iridium probe for sensing polarity in the endoplasmic reticulum and <i>in vivo</i> . <i>Dalton Transactions</i> , 2019, 48, 7728-7734. | 1.6 | 11 |
| 72 | A viscosity-sensitive iridium(III) probe for lysosomal microviscosity quantification and blood viscosity detection in diabetic mice. <i>Dalton Transactions</i> , 2019, 48, 3990-3997. | 1.6 | 25 |

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|----|--|------|-----------|
| 73 | Zn ²⁺ /Air Batteries: Trifunctional Electrocatalysis on Dual-Doped Graphene Nanorings-Integrated Boxes for Efficient Water Splitting and Zn ²⁺ /Air Batteries (Adv. Energy Mater. 14/2019). Advanced Energy Materials, 2019, 9, 1970045. | 10.2 | 3 |
| 74 | Facile synthesis of polyacrylonitrile-based N/S-codoped porous carbon as an efficient oxygen reduction electrocatalyst for zinc-air batteries. Journal of Materials Chemistry A, 2019, 7, 11223-11233. | 5.2 | 39 |
| 75 | Superhydrophilic Phytic Acid-Doped Conductive Hydrogels as Metal-Free and Binder-Free Electrocatalysts for Efficient Water Oxidation. Angewandte Chemie, 2019, 131, 4362-4366. | 1.6 | 29 |
| 76 | Design of ruthenium-albumin hydrogel for cancer therapeutics and luminescent imaging. Journal of Inorganic Biochemistry, 2019, 194, 19-25. | 1.5 | 22 |
| 77 | Trifunctional Electrocatalysis on Dual-Doped Graphene Nanorings-Integrated Boxes for Efficient Water Splitting and Zn ²⁺ /Air Batteries. Advanced Energy Materials, 2019, 9, 1803867. | 10.2 | 173 |
| 78 | Isomeric Ir(III) complexes for tracking mitochondrial pH fluctuations and inducing mitochondrial dysfunction during photodynamic therapy. Dalton Transactions, 2019, 48, 17200-17209. | 1.6 | 16 |
| 79 | Charge-Selective Delivery of Proteins Using Mesoporous Silica Nanoparticles Fused with Lipid Bilayers. ACS Applied Materials & Interfaces, 2019, 11, 3645-3653. | 4.0 | 30 |
| 80 | A novel iridium(III) complex for sensitive HSA phosphorescence staining in proteome research. Chemical Communications, 2018, 54, 3282-3285. | 2.2 | 14 |
| 81 | Chirality in metal-based anticancer agents. Dalton Transactions, 2018, 47, 4017-4026. | 1.6 | 43 |
| 82 | Facile fabrication of a 3D network composed of N-doped carbon-coated core-shell metal oxides/phosphides for highly efficient water splitting. Sustainable Energy and Fuels, 2018, 2, 1085-1092. | 2.5 | 40 |
| 83 | Turn off-on-phosphorescent sensor for biothiols based on a Ru-Cu ensemble. Sensors and Actuators B: Chemical, 2018, 255, 283-289. | 4.0 | 22 |
| 84 | Composition Tailoring via N and S Codoping and Structure Tuning by Constructing Hierarchical Pores: Metal-Free Catalysts for High-Performance Electrochemical Reduction of CO ₂ . Angewandte Chemie, 2018, 130, 15702-15706. | 1.6 | 63 |
| 85 | Composition Tailoring via N and S Codoping and Structure Tuning by Constructing Hierarchical Pores: Metal-Free Catalysts for High-Performance Electrochemical Reduction of CO ₂ . Angewandte Chemie - International Edition, 2018, 57, 15476-15480. | 7.2 | 162 |
| 86 | Near-Infrared Luminescent Osmium(II) Complexes with an Intrinsic RNA-Targeting Capability for Nucleolus Imaging in Living Cells. ACS Applied Bio Materials, 2018, 1, 1587-1593. | 2.3 | 18 |
| 87 | Carbothermal Synthesis of Nitrogen-Doped Graphene Composites for Energy Conversion and Storage Devices. Frontiers in Chemistry, 2018, 6, 501. | 1.8 | 11 |
| 88 | Boosting Electrochemical Hydrogen Evolution of Porous Metal Phosphides Nanosheets by Coating Defective TiO ₂ Overlayers. Small, 2018, 14, e1802755. | 5.2 | 45 |
| 89 | Crafting MoC ₂ -doped bimetallic alloy nanoparticles encapsulated within N-doped graphene as robust bifunctional electrocatalysts for overall water splitting. Nano Energy, 2018, 50, 212-219. | 8.2 | 205 |
| 90 | Redox route to ultrathin metal sulfides nanosheet arrays-anchored MnO ₂ nanoparticles as self-supported electrocatalysts for efficient water splitting. Journal of Power Sources, 2018, 398, 159-166. | 4.0 | 43 |

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|----|--|-----|-----------|
| 91 | Tuning peptide self-assembly by an in-tether chiral center. <i>Science Advances</i> , 2018, 4, eaar5907. | 4.7 | 50 |
| 92 | Tracking mitochondrial dynamics during apoptosis with phosphorescent fluorinated iridium(iii) complexes. <i>Dalton Transactions</i> , 2018, 47, 12907-12913. | 1.6 | 9 |
| 93 | In-situ Characterization and Cure Kinetics in NEPE Propellant/ HTPB Liner Interface by Microscopic FTIR. <i>Propellants, Explosives, Pyrotechnics</i> , 2017, 42, 410-416. | 1.0 | 12 |
| 94 | A NIR phosphorescent osmium(II) complex as a lysosome tracking reagent and photodynamic therapeutic agent. <i>Chemical Communications</i> , 2017, 53, 12341-12344. | 2.2 | 52 |
| 95 | Development of a high quantum yield dye for tumour imaging. <i>Chemical Science</i> , 2017, 8, 6322-6326. | 3.7 | 51 |
| 96 | Polypyridyl Complexes of Ruthenium(II): Stabilization of G-quadruplex DNA and Inhibition of Telomerase Activity. <i>ChemPlusChem</i> , 2012, 77, 551-562. | 1.3 | 18 |