# Zhong-Li Wang

List of Publications by Year
in descending order



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|---|---|---|---|
| 66 papers | 12,108 citations | 61984 43 h-index | 91884 69 g-index |
| 69 all docs | 69 docs citations | 69 times ranked | 14449 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Tailoring the Surface and Interface Structures of Copperâ€Based Catalysts for Electrochemical Reduction of CO<sub>2</sub> to Ethylene and Ethanol. Small, 2022, 18, e2107450. | 10.0 | 87 |
| 2 | Ru ions enhancing the interface bonding between the Pt nanoparticle catalyst and perovskite support for super anti-sintering performance. Journal of Materials Chemistry A, 2022, 10, 8227-8237. | 10.3 | 2 |
| 3 | Morphologically controlled cobalt oxide nanoparticles for efficient oxygen evolution reaction. Journal of Colloid and Interface Science, 2021, 582, 322-332. | 9.4 | 51 |
| 4 | Tailored Catalytic Nanoframes from Metalâ€"Organic Frameworks by Anisotropic Surface Modification and Etching for the Hydrogen Evolution Reaction. Angewandte Chemie - International Edition, 2021, 60, 4747-4755. | 13.8 | 92 |
| 5 | Tailored Catalytic Nanoframes from Metalâ€"Organic Frameworks by Anisotropic Surface Modification and Etching for the Hydrogen Evolution Reaction. Angewandte Chemie, 2021, 133, 4797-4805. | 2.0 | 18 |
| 6 | Ti<sup>3+</sup> Tuning the Ratio of Cu<sup>+</sup>/Cu<sup>0</sup> in the Ultrafine Cu Nanoparticles for Boosting the Hydrogenation Reaction. Small, 2021, 17, e2008052. | 10.0 | 25 |
| 7 | Optimizing Electron Densities of Niâ€Nâ€C Complexes by Hybrid Coordination for Efficient Electrocatalytic CO<sub>2</sub> Reduction. ChemSusChem, 2020, 13, 929-937. | 6.8 | 76 |
| 8 | Hierarchical Tubular Architecture Constructed by Vertically Aligned CoS<sub>2</sub>â€MoS<sub>2</sub> Nanosheets for Hydrogen Evolution Electrocatalysis. Chemistry - A European Journal, 2020, 26, 6195-6204. | 3.3 | 18 |
| 9 | Tailored synthesis of Znâ€"N co-doped porous MoC nanosheets towards efficient hydrogen evolution. Nanoscale, 2019, 11, 1700-1709. | 5.6 | 39 |
| 10 | Metal organic framework derived nickel phosphide/graphitic carbon hybrid for electrochemical hydrogen generation reaction. Journal of the Taiwan Institute of Chemical Engineers, 2019, 96, 634-638. | 5.3 | 27 |
| 11 | Pore-tuning to boost the electrocatalytic activity of polymeric micelle-templated mesoporous Pd nanoparticles. Chemical Science, 2019, 10, 4054-4061. | 7.4 | 175 |
| 12 | Nanoarchitectonics for Transitionâ€Metalâ€Sulfideâ€Based Electrocatalysts for Water Splitting. Advanced Materials, 2019, 31, e1807134. | 21.0 | 998 |
| 13 | Hollow Functional Materials Derived from Metalâ€"Organic Frameworks: Synthetic Strategies, Conversion Mechanisms, and Electrochemical Applications. Advanced Materials, 2019, 31, e1804903. | 21.0 | 370 |
| 14 | Elaborately assembled core-shell structured metal sulfides as a bifunctional catalyst for highly efficient electrochemical overall water splitting. Nano Energy, 2018, 47, 494-502. | 16.0 | 383 |
| 15 | Spatially Confined Assembly of Monodisperse Ruthenium Nanoclusters in a Hierarchically Ordered Carbon Electrode for Efficient Hydrogen Evolution. Angewandte Chemie, 2018, 130, 5950-5954. | 2.0 | 12 |
| 16 | Spatially Confined Assembly of Monodisperse Ruthenium Nanoclusters in a Hierarchically Ordered Carbon Electrode for Efficient Hydrogen Evolution. Angewandte Chemie - International Edition, 2018, 57, 5848-5852. | 13.8 | 135 |
| 17 | Assembly of Hollow Carbon Nanospheres on Graphene Nanosheets and Creation of Ironâ€"Nitrogen-Doped Porous Carbon for Oxygen Reduction. ACS Nano, 2018, 12, 5674-5683. | 14.6 | 277 |
| 18 | Facile Synthesis of Palladiumâ€Nanoparticleâ€Embedded Nâ€Doped Carbon Fibers for Electrochemical Sensing. ChemPlusChem, 2018, 83, 401-406. | 2.8 | 8 |

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|---|---|---|---|
| 19 | Hollow Porous Heterometallic Phosphide Nanocubes for Enhanced Electrochemical Water Splitting. Small, 2018, 14, e1802442. | 10.0 | 166 |
| 20 | Electrochemically in situ controllable assembly of hierarchically-ordered and integrated inorganicâ€“carbon hybrids for efficient hydrogen evolution. Materials Horizons, 2018, 5, 1194-1203. | 12.2 | 31 |
| 21 | Subâ€50 nm Ironâ€“Nitrogenâ€Doped Hollow Carbon Sphereâ€Encapsulated Iron Carbide Nanoparticles as Efficient Oxygen Reduction Catalysts. Advanced Science, 2018, 5, 1800120. | 11.2 | 187 |
| 22 | Mesoporous Niâ€“Fe oxide multi-composite hollow nanocages for efficient electrocatalytic water oxidation reactions. Journal of Materials Chemistry A, 2017, 5, 4320-4324. | 10.3 | 108 |
| 23 | One-Pot Synthesis of Zeolitic Imidazolate Framework 67-Derived Hollow Co<sub>3</sub>S<sub>4</sub>@MoS<sub>2</sub> Heterostructures as Efficient Bifunctional Catalysts. Chemistry of Materials, 2017, 29, 5566-5573. | 6.7 | 510 |
| 24 | Perfectly ordered mesoporous iron-nitrogen doped carbon as highly efficient catalyst for oxygen reduction reaction in both alkaline and acidic electrolytes. Nano Energy, 2017, 36, 286-294. | 16.0 | 183 |
| 25 | Assembly of hollow mesoporous nanoarchitectures composed of ultrafine Mo<sub>2</sub>C nanoparticles on N-doped carbon nanosheets for efficient electrocatalytic reduction of oxygen. Materials Horizons, 2017, 4, 1171-1177. | 12.2 | 167 |
| 26 | Mesoporous Semimetallic Conductors: Structural and Electronic Properties of Cobalt Phosphide Systems. Angewandte Chemie - International Edition, 2017, 56, 13508-13512. | 13.8 | 36 |
| 27 | Mesoporous Semimetallic Conductors: Structural and Electronic Properties of Cobalt Phosphide Systems. Angewandte Chemie, 2017, 129, 13693-13697. | 2.0 | 16 |
| 28 | First Synthesis of Continuous Mesoporous Copper Films with Uniformly Sized Pores by Electrochemical Soft Templating. Angewandte Chemie, 2016, 128, 12938-12942. | 2.0 | 15 |
| 29 | Reactive Multifunctional Templateâ€Induced Preparation of Feâ€Nâ€Doped Mesoporous Carbon Microspheres Towards Highly Efficient Electrocatalysts for Oxygen Reduction. Advanced Materials, 2016, 28, 7948-7955. | 21.0 | 342 |
| 30 | Synthesis of Cobalt Sulfide/Sulfur Doped Carbon Nanocomposites with Efficient Catalytic Activity in the Oxygen Evolution Reaction. Chemistry - A European Journal, 2016, 22, 18259-18264. | 3.3 | 43 |
| 31 | Nanostructured nonprecious metal catalysts for electrochemical reduction of carbon dioxide. Nano Today, 2016, 11, 373-391. | 11.9 | 200 |
| 32 | Integrated Three-Dimensional Carbon Paper/Carbon Tubes/Cobalt-Sulfide Sheets as an Efficient Electrode for Overall Water Splitting. ACS Nano, 2016, 10, 2342-2348. | 14.6 | 575 |
| 33 | Synergistic Effect between Metalâ€“Nitrogenâ€“Carbon Sheets and NiO Nanoparticles for Enhanced Electrochemical Waterâ€Oxidation Performance. Angewandte Chemie - International Edition, 2015, 54, 10530-10534. | 13.8 | 301 |
| 34 | Gelatin-derived sustainable carbon-based functional materials for energy conversion and storage with controllability of structure and component. Science Advances, 2015, 1, e1400035. | 10.3 | 144 |
| 35 | C and N Hybrid Coordination Derived Coâ€“Câ€“N Complex as a Highly Efficient Electrocatalyst for Hydrogen Evolution Reaction. Journal of the American Chemical Society, 2015, 137, 15070-15073. | 13.7 | 377 |
| 36 | Oxygen electrocatalysts in metalâ€“air batteries: from aqueous to nonaqueous electrolytes. Chemical Society Reviews, 2014, 43, 7746-7786. | 38.1 | 1,264 |

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|---|---|---|---|
| 37 | 3D ordered macroporous LaFeO3 as efficient electrocatalyst for Liâ€“O2 batteries with enhanced rate capability and cyclic performance. Energy and Environmental Science, 2014, 7, 2213. | 30.8 | 339 |
| 38 | Electrostatic Induced Stretch Growth of Homogeneous Î²-Ni(OH)2 on Graphene with Enhanced High-Rate Cycling for Supercapacitors. Scientific Reports, 2014, 4, 3669. | 3.3 | 222 |
| 39 | Tailoring deposition and morphology of discharge products towards high-rate and long-life lithium-oxygen batteries. Nature Communications, 2013, 4, 2438. | 12.8 | 519 |
| 40 | The development and challenges of rechargeable non-aqueous lithiumâ€“air batteries. International Journal of Smart and Nano Materials, 2013, 4, 27-46. | 4.2 | 30 |
| 41 | In Situ Fabrication of Porous Graphene Electrodes for High-Performance Energy Storage. ACS Nano, 2013, 7, 2422-2430. | 14.6 | 394 |
| 42 | Synthesis of Perovskiteâ€Based Porous La<sub>0.75</sub>Sr<sub>0.25</sub>MnO<sub>3</sub> Nanotubes as a Highly Efficient Electrocatalyst for Rechargeable Lithiumâ€“Oxygen Batteries. Angewandte Chemie - International Edition, 2013, 52, 3887-3890. | 13.8 | 482 |
| 43 | Homogeneous CoO on Graphene for Binderâ€Free and Ultralongâ€Life Lithium Ion Batteries. Advanced Functional Materials, 2013, 23, 4345-4353. | 14.9 | 333 |
| 44 | Batteries: Homogeneous CoO on Graphene for Binderâ€Free and Ultralongâ€Life Lithium Ion Batteries (Adv. Funct. Mater. 35/2013). Advanced Functional Materials, 2013, 23, 4274-4274. | 14.9 | 17 |
| 45 | A stable sulfone based electrolyte for high performance rechargeable Liâ€“O2 batteries. Chemical Communications, 2012, 48, 11674. | 4.1 | 99 |
| 46 | Lithium Ion Batteries: Graphene Oxide Gelâ€Derived, Freeâ€Standing, Hierarchically Porous Carbon for Highâ€Capacity and Highâ€Rate Rechargeable Liâ€O<sub>2</sub> Batteries (Adv. Funct. Mater. 17/2012). Advanced Functional Materials, 2012, 22, 3745-3745. | 14.9 | 2 |
| 47 | High aspect ratio Î³-MnOOH nanowires for high performance rechargeable nonaqueous lithiumâ€“oxygen batteries. Chemical Communications, 2012, 48, 7598. | 4.1 | 109 |
| 48 | Facile, mild and fast thermal-decomposition reduction of graphene oxide in air and its application in high-performance lithium batteries. Chemical Communications, 2012, 48, 976-978. | 4.1 | 240 |
| 49 | Rhodiumâ€“nickel nanoparticles grown on graphene as highly efficient catalyst for complete decomposition of hydrous hydrazine at room temperature for chemical hydrogen storage. Energy and Environmental Science, 2012, 5, 6885. | 30.8 | 214 |
| 50 | Facile and controllable one-pot synthesis of an ordered nanostructure of Co(OH)2 nanosheets and their modification by oxidation for high-performance lithium-ion batteries. Journal of Materials Chemistry, 2012, 22, 3764. | 6.7 | 94 |
| 51 | Î±-MnO2 hollow clews for rechargeable Li-air batteries with improved cyclability. Science Bulletin, 2012, 57, 4210-4214. | 1.7 | 19 |
| 52 | One-step and rapid synthesis of â€œcleanâ€• and monodisperse dendritic Pt nanoparticles and their high performance toward methanol oxidation and p-nitrophenol reduction. Nanoscale, 2012, 4, 1549. | 5.6 | 130 |
| 53 | Graphene Oxide Gelâ€Derived, Freeâ€Standing, Hierarchically Porous Carbon for Highâ€Capacity and Highâ€Rate Rechargeable Liâ€O<sub>2</sub> Batteries. Advanced Functional Materials, 2012, 22, 3699-3705. | 14.9 | 390 |
| 54 | Facile and Lowâ€Cost Synthesis of Largeâ€Area Pure V<sub>2</sub>O<sub>5</sub> Nanosheets for Highâ€Capacity and Highâ€Rate Lithium Storage over a Wide Temperature Range. ChemPlusChem, 2012, 77, 124-128. | 2.8 | 80 |

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|---|---|---|---|
| 55 | Novel DMSO-based electrolyte for high performance rechargeable Liâ€“O2 batteries. Chemical Communications, 2012, 48, 6948. | 4.1 | 281 |
| 56 | A facile co-gelation route to synthesize FeCo/carbon nanocomposites and their application as magnetically separable adsorber. Journal of Alloys and Compounds, 2011, 509, 585-589. | 5.5 | 10 |
| 57 | Co-gelation synthesis of porous graphitic carbons with high surface area and their applications. Carbon, 2011, 49, 161-169. | 10.3 | 97 |
| 58 | A new kind of mesoporous Fe7Co3/carbon nanocomposite and its application as magnetically separable adsorber. Materials Letters, 2010, 64, 1219-1221. | 2.6 | 21 |
| 59 | Simple synthesis of magnetic mesoporous FeNi/carbon composites with a large capacity for the immobilization of biomolecules. Carbon, 2010, 48, 3182-3189. | 10.3 | 55 |
| 60 | Facile Synthesis of Porous Fe7Co3/Carbon Nanocomposites and Their Applications as Magnetically Separable Adsorber and Catalyst Support. Langmuir, 2010, 26, 10135-10140. | 3.5 | 19 |
| 61 | Mn Valence, Magnetic, and Electrical Properties of LaMnO<sub>3+Î´</sub> Nanofibers by Electrospinning. ACS Applied Materials & Interfaces, 2010, 2, 2689-2693. | 8.0 | 23 |
| 62 | Preparation of One-Dimensional CoFe<sub>2</sub>O<sub>4</sub> Nanostructures and Their Magnetic Properties. Journal of Physical Chemistry C, 2008, 112, 15171-15175. | 3.1 | 126 |
| 63 | Preparation of Ferrite MFe<sub>2</sub>O<sub>4</sub> (M = Co, Ni) Ribbons with Nanoporous Structure and Their Magnetic Properties. Journal of Physical Chemistry B, 2008, 112, 11292-11297. | 2.6 | 124 |
| 64 | Structures and Physical Properties of n = 3 Ruddlesdenâ€“Popper Compounds Ca<sub>4</sub>Mn<sub>3â^'x</sub>Nb<sub>x</sub>O<sub>10</sub> (0 â‰ x â‰ 0.2). Chemistry of Materials, 2008, 20, 1988-1996. | 6.7 | 17 |
| 65 | Tunable Synthesis, Growth Mechanism, and Magnetic Properties of La0.5Ba0.5MnO3. Crystal Growth and Design, 2007, 7, 2568-2575. | 3.0 | 29 |
| 66 | The magnetic and structural properties of hydrothermal-synthesized single-crystal Sn1â^'xFexO2 nanograins. Journal of Magnetism and Magnetic Materials, 2007, 317, 1-7. | 2.3 | 25 |