# Yanqiang Li

List of Publications by Year
in descending order

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|---|---|---|---|
| 75 papers | 2,813 citations | 159585 30 h-index | 182427 51 g-index |
| 75 all docs | 75 docs citations | 75 times ranked | 3493 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Interface Engineering and Anion Engineering of Moâ€Based Heterogeneous Electrocatalysts for Hydrogen Evolution Reaction. Energy and Environmental Materials, 2023, 6, . | 12.8 | 30 |
| 2 | Interface engineering of the MoS2/NiS2/CoS2 nanotube as a highly efficient bifunctional electrocatalyst for overall water splitting. Materials Today Nano, 2022, 17, 100156. | 4.6 | 14 |
| 3 | Double shelled hollow CoS2@MoS2@NiS2 polyhedron as advanced trifunctional electrocatalyst for zinc-air battery and self-powered overall water splitting. Journal of Colloid and Interface Science, 2022, 610, 653-662. | 9.4 | 44 |
| 4 | Facile synthesis of carbon coated cobalt-cobalt molybdenum carbide as advanced bifunctional oxygen electrocatalyst for rechargeable Zn-air battery. Journal of Alloys and Compounds, 2022, 897, 163203. | 5.5 | 17 |
| 5 | Current progress of metal sulfides derived from metalâ€“organic frameworks for advanced electrocatalysis: potential electrocatalysts with diverse applications. Journal of Materials Chemistry A, 2022, 10, 1617-1641. | 10.3 | 51 |
| 6 | Defect and interface engineering in metal sulfide catalysts for the electrocatalytic nitrogen reduction reaction: a review. Journal of Materials Chemistry A, 2022, 10, 6927-6949. | 10.3 | 39 |
| 7 | Petal-like Fe<sub>x</sub>S<sub>y</sub>/WS<sub>2</sub> Heterojunction Nanosheets as an Electrocatalyst for Highly Effective Hydrogen Evolution Reaction. Energy & Fuels, 2022, 36, 4888-4894. | 5.1 | 9 |
| 8 | Engineering strategies for boosting the nitrogen reduction reaction performance of MoS2-based electrocatalysts. Materials Today Nano, 2022, 18, 100202. | 4.6 | 5 |
| 9 | Nanotube assembled coral-like ZnS@N, S co-doped carbon: A sodium-ion batteries anode material with outstanding stability and rate performance. Applied Surface Science, 2021, 535, 147748. | 6.1 | 25 |
| 10 | Singleâ€Atom and Dualâ€Atom Electrocatalysts Derived from Metal Organic Frameworks: Current Progress and Perspectives. ChemSusChem, 2021, 14, 73-93. | 6.8 | 76 |
| 11 | Interface engineering of transitional metal sulfideâ€“MoS<sub>2</sub> heterostructure composites as effective electrocatalysts for water-splitting. Journal of Materials Chemistry A, 2021, 9, 2070-2092. | 10.3 | 136 |
| 12 | Theoretical study of the influence of doped oxygen group elements on the properties of organic semiconductors. Nanoscale Advances, 2021, 3, 3100-3106. | 4.6 | 0 |
| 13 | Investigation of the interfacial behavior of organics on sulfide semiconductor surfaces by quantum chemical calculations and molecular dynamics simulations. New Journal of Chemistry, 2021, 45, 19321-19328. | 2.8 | 0 |
| 14 | Current progress of molybdenum carbide-based materials for electrocatalysis: potential electrocatalysts with diverse applications. Materials Today Chemistry, 2021, 19, 100411. | 3.5 | 23 |
| 15 | Heterostructured MoO2@MoS2@Co9S8 nanorods as high efficiency bifunctional electrocatalyst for overall water splitting. Applied Surface Science, 2021, 543, 148804. | 6.1 | 53 |
| 16 | <scp> CO <sub>2</sub> </scp> electroreduction by <scp>AuCu</scp> bimetallic clusters: A first principles study. International Journal of Energy Research, 2021, 45, 18684-18694. | 4.5 | 9 |
| 17 | Mechanism of Enhancement in Perovskite Solar Cells by Organosulfur Amine Constructed 2D/3D Heterojunctions. Journal of Physical Chemistry C, 2021, 125, 16428-16434. | 3.1 | 23 |
| 18 | Hierarchical MoO<sub>4</sub><sup>2–</sup> Intercalating Î±-Co(OH)<sub>2</sub> Nanosheet Assemblies: Green Synthesis and Ultrafast Reconstruction for Boosting Electrochemical Oxygen Evolution. Energy & Fuels, 2021, 35, 2775-2784. | 5.1 | 13 |

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|---|---|---|---|
| 19 | Confined Synthesis of N, P Coâ€“Doped 3D Hierarchical Carbons as Highâ€Efficiency Oxygen Reduction Reaction Catalysts for Znâ€“Air Battery. ChemElectroChem, 2020, 7, 4131-4135. | 3.4 | 13 |
| 20 | Metalâ€“organic framework based bifunctional oxygen electrocatalysts for rechargeable zincâ€“air batteries: current progress and prospects. Chemical Science, 2020, 11, 11646-11671. | 7.4 | 60 |
| 21 | High-Quality Inorganic Chemistry Teaching During COVID-19. Journal of Chemical Education, 2020, 97, 2945-2949. | 2.3 | 7 |
| 22 | Two-dimensional CuAg/Ti<sub>3</sub>C<sub>2</sub> catalyst for electrochemical synthesis of ammonia under ambient conditions: a combined experimental and theoretical study. Sustainable Energy and Fuels, 2020, 4, 5061-5071. | 4.9 | 26 |
| 23 | Bimetallic cobalt molybdenum carbideâ€“cobalt composites as superior bifunctional oxygen electrocatalysts for Znâ€“air batteries. Materials Today Energy, 2020, 18, 100565. | 4.7 | 20 |
| 24 | A facile and general procedure to hyperporous carbons: carbonization of organic zinc salts. Materials Today Energy, 2020, 17, 100446. | 4.7 | 4 |
| 25 | Porous carbon derived from metal organic framework for gas storage and separation: The size effect. Inorganic Chemistry Communication, 2020, 118, 107999. | 3.9 | 30 |
| 26 | Morphology engineering of cobalt embedded in nitrogen doped porous carbon as bifunctional oxygen electrocatalyst for Zn-air battery. Materials Today Energy, 2020, 17, 100455. | 4.7 | 12 |
| 27 | A novel strategy to synthesize NiCo layered double hydroxide nanotube from metal organic framework composite for high-performance supercapacitor. Journal of Alloys and Compounds, 2020, 831, 154794. | 5.5 | 39 |
| 28 | Intermediate-Controlled Interfacial Engineering for Stable and Highly Efficient Carbon-Based PSCs. ACS Applied Materials & Interfaces, 2020, 12, 34479-34486. | 8.0 | 9 |
| 29 | Recent Progress in MXeneâ€Based Materials: Potential Highâ€Performance Electrocatalysts. Advanced Functional Materials, 2020, 30, 2003437. | 14.9 | 181 |
| 30 | Several economical and eco-friendly bio-carbon electrodes for highly efficient perovskite solar cells. Carbon, 2020, 162, 267-272. | 10.3 | 48 |
| 31 | Facile synthesis of ZnS decorated N, S co-doped carbon polyhedron as high efficiency oxygen reduction reaction catalyst for Zn-air battery. Applied Surface Science, 2020, 509, 145367. | 6.1 | 22 |
| 32 | Preparation of AgCl photocatalyst by recovering silver from discarded cyanide-free silver electrodeposition bath: insightful investigation of quantum chemical calculations and experiment. Ionics, 2019, 25, 2419-2426. | 2.4 | 4 |
| 33 | A novel strategy to synthesize CoMoO4 nanotube as highly efficient oxygen evolution reaction electrocatalyst. Catalysis Communications, 2019, 131, 105800. | 3.3 | 20 |
| 34 | 2D nanoplate assembled nitrogen doped hollow carbon sphere decorated with Fe3O4 as an efficient electrocatalyst for oxygen reduction reaction and Zn-air batteries. Nano Research, 2019, 12, 2774-2780. | 10.4 | 64 |
| 35 | Enhancing oxygen evolution reaction electrocatalytic performance with vanadium-doped Co/CoO encapsulated in carbon nanorod. Inorganic Chemistry Communication, 2019, 103, 1-5. | 3.9 | 10 |
| 36 | Alternative electrodes for HTMs and noble-metal-free perovskite solar cells: 2D MXenes electrodes. RSC Advances, 2019, 9, 34152-34157. | 3.6 | 39 |

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|---|---|---|---|
| 37 | Nanowireâ€Templated Synthesis of FeN x â€Decorated Carbon Nanotubes as Highly Efficient, Universalâ€pH, Oxygen Reduction Reaction Catalysts. Chemistry - A European Journal, 2019, 25, 2637-2644. | 3.3 | 16 |
| 38 | Killing Two Birds with One Stone: A Highly Active Tubular Carbon Catalyst with Effective N Doping for Oxygen Reduction and Hydrogen Evolution Reactions. Catalysis Letters, 2019, 149, 486-495. | 2.6 | 12 |
| 39 | A facile approach for the fabrication of loading-controlled Ag/C foam catalyst. Ionics, 2019, 25, 361-365. | 2.4 | 0 |
| 40 | Efficient oxygen reduction reaction catalyst derived from ZnO@ zeolite imidazolate framework nanowire composite. Inorganic Chemistry Communication, 2019, 101, 23-26. | 3.9 | 10 |
| 41 | Theoretical and experimental studies of the influence of microstructure on anti-tarnish ability of cyanide-free silver deposit. Ionics, 2019, 25, 849-857. | 2.4 | 7 |
| 42 | Effective Oxygen Reduction and Evolution Catalysts Derived from Metal Organic Frameworks by Optimizing Active Sites. Journal of the Electrochemical Society, 2018, 165, F158-F165. | 2.9 | 13 |
| 43 | One-dimensional MoO<sub>2</sub>â€“Co<sub>2</sub>Mo<sub>3</sub>O<sub>8</sub>@C nanorods: a novel and highly efficient oxygen evolution reaction catalyst derived from metalâ€“organic framework composites. Chemical Communications, 2018, 54, 2739-2742. | 4.1 | 61 |
| 44 | Incredible PCE enhancement induced by damaged perovskite layers: deeply understanding the working principle of additives in bulk heterojunction perovskite solar cells. Journal of Materials Chemistry A, 2018, 6, 4365-4373. | 10.3 | 16 |
| 45 | In-Situ Grown Ni(OH)<sub>2</sub>Nanosheets on Ni Foam for Hybrid Supercapacitors with High Electrochemical Performance. Journal of the Electrochemical Society, 2018, 165, A882-A890. | 2.9 | 17 |
| 46 | Synthesis of Coâ€“B in porous carbon using a metalâ€“organic framework (MOF) precursor: A highly efficient catalyst for the oxygen evolution reaction. Electrochemistry Communications, 2018, 86, 140-144. | 4.7 | 86 |
| 47 | Theoretical and Experimental Studies of the Prevention Mechanism of Organic Inhibitors on Silver Anti-Tarnish. Journal of the Electrochemical Society, 2018, 165, H725-H732. | 2.9 | 5 |
| 48 | Synthesis of Fe, Co Incorporated in P-Doped Porous Carbon Using a Metal-Organic Framework (MOF) Precursor as Stable Catalysts for Oxygen Reduction Reaction. Journal of the Electrochemical Society, 2018, 165, G3080-G3086. | 2.9 | 14 |
| 49 | Low-cost, large-scale, one-pot synthesis of C/Ni3(NO3)2(OH)4 composites for high performance supercapacitor. Materials Chemistry and Physics, 2018, 217, 291-299. | 4.0 | 11 |
| 50 | The synergetic effect of h-BN shells and subsurface B in CoB<sub>x</sub>@h-BN nanocatalysts for enhanced oxygen evolution reactions. Journal of Materials Chemistry A, 2018, 6, 10644-10648. | 10.3 | 28 |
| 51 | Seamless Interfacial Formation by Solution-Processed Amorphous Hydroxide Semiconductor for Highly Efficient Electron Transport. ACS Applied Energy Materials, 2018, 1, 4564-4571. | 5.1 | 16 |
| 52 | In situ fabrication of 2D SnS2 nanosheets as a new electron transport layer for perovskite solar cells. Nano Research, 2018, 11, 5913-5923. | 10.4 | 62 |
| 53 | Facile synthesis of N, S co-doped porous carbons from a dual-ligand metal organic framework for high performance oxygen reduction reaction catalysts. Electrochimica Acta, 2017, 254, 148-154. | 5.2 | 31 |
| 54 | In Situ Fabrication of Integrated Electrode of Perovskite Solar Cells. Chemistry Letters, 2017, 46, 1687-1690. | 1.3 | 6 |

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|---|---|---|---|
| 55 | In Situ Fabrication of Nanoepitaxial TiO<sub>2</sub> Protection Layer on Si Substrate: Hole Chemical Conduction Instead of Tunneling Effect. Solar Rrl, 2017, 1, 1700064. | 5.8 | 7 |
| 56 | Oneâ€Stage Method for Fabricating Superhydrophobic Stainless Steel Surface and Its Antiâ€Corrosion Performance. Advanced Engineering Materials, 2017, 19, 1600511. | 3.5 | 25 |
| 57 | Light engineering for bifacial transparent perovskite solar cells with high performance. Optical Engineering, 2017, 56, 1. | 1.0 | 7 |
| 58 | Catalytic activities enhanced by abundant structural defects and balanced N distribution of N-doped graphene in oxygen reduction reaction. Journal of Power Sources, 2016, 306, 85-91. | 7.8 | 59 |
| 59 | Enhanced photoactivities of TiO 2 particles induced by bio-inspired micro-nanoscale substrate. Journal of Colloid and Interface Science, 2016, 470, 10-13. | 9.4 | 3 |
| 60 | Transition metal selenides as efficient counter-electrode materials for dye-sensitized solar cells. Physical Chemistry Chemical Physics, 2015, 17, 28985-28992. | 2.8 | 59 |
| 61 | Metal Oxide/Carbide/Carbon Nanocomposites: In Situ Synthesis, Characterization, Calculation, and their Application as an Efficient Counter Electrode Catalyst for Dyeâ€Sensitized Solar Cells. Advanced Energy Materials, 2013, 3, 1407-1412. | 19.5 | 157 |
| 62 | Influence of the benzo[d]thiazole-derived Ï€-bridges on the optical and photovoltaic performance of Dâ€“Ï€â€“A dyes. Dyes and Pigments, 2013, 96, 619-625. | 3.7 | 31 |
| 63 | Ptâ€like Behavior of Highâ€Performance Counter Electrodes Prepared from Binary Tantalum Compounds Showing High Electrocatalytic Activity for Dyeâ€Sensitized Solar Cells. ChemSusChem, 2013, 6, 411-416. | 6.8 | 132 |
| 64 | Solidâ€State Synthesis of ZnO Nanostructures for Quasiâ€Solid Dyeâ€Sensitized Solar Cells with High Efficiencies up to 6.46%. Advanced Materials, 2013, 25, 4413-4419. | 21.0 | 72 |
| 65 | Printable electrolytes for highly efficient quasi-solid-state dye-sensitized solar cells. Electrochimica Acta, 2013, 91, 302-306. | 5.2 | 73 |
| 66 | Synthesis and photoelectric properties of an organic dye containing benzo[1,2-b:4,5-bâ€²]dithiophene for dye-sensitized solar cells. Chinese Chemical Letters, 2013, 24, 149-152. | 9.0 | 11 |
| 67 | Platinumâ€Free Catalysts as Counter Electrodes in Dyeâ€Sensitized Solar Cells. ChemSusChem, 2012, 5, 1343-1357. | 6.8 | 194 |
| 68 | Enhanced Photoconversion Efficiency of Allâ€Flexible Dyeâ€Sensitized Solar Cells Based on a Ti Substrate with TiO<sub>2</sub> Nanoforest Underlayer. Small, 2012, 8, 3427-3431. | 10.0 | 53 |
| 69 | Optimization of the Performance of Dyeâ€Sensitized Solar Cells Based on Ptâ€Like TiC Counter Electrodes. European Journal of Inorganic Chemistry, 2012, 2012, 3557-3561. | 2.0 | 29 |
| 70 | SnSâ€Quantum Dot Solar Cells Using Novel TiC Counter Electrode and Organic Redox Couples. Chemistry - A European Journal, 2012, 18, 7862-7868. | 3.3 | 39 |
| 71 | A New Type of Dyeâ€Sensitized Solar Cell with a Multilayered Photoanode Prepared by a Filmâ€Transfer Technique. Advanced Materials, 2011, 23, 2764-2768. | 21.0 | 80 |
| 72 | Performance of Dyeâ€Sensitized Solar Cells Based on MWCNT/TiO<sub>2â€“x</sub>N<sub>x</sub> Nanocomposite Electrodes. European Journal of Inorganic Chemistry, 2011, 2011, 1776-1783. | 2.0 | 8 |

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|---|---|---|---|
| 73 | Influence of nitrogen dopants on N-doped TiO2 electrodes and their applications in dye-sensitized solar cells. Electrochimica Acta, 2011, 56, 4611-4617. | 5.2 | 86 |
| 74 | Highly efficient dye-sensitized solar cells based on nitrogen-doped titania with excellent stability. Journal of Photochemistry and Photobiology A: Chemistry, 2011, 219, 180-187. | 3.9 | 57 |
| 75 | High-efficiency flexible dye-sensitized solar cells fabricated by a novel friction-transfer technique. Electrochemistry Communications, 2010, 12, 1000-1003. | 4.7 | 45 |