

Liangjun Li

List of Publications by Year in descending order

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papers

3,678
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147801

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docs citations

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times ranked

5619
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Constructing ultrastable electrode/electrolyte interface for rapid potassium ion storage capability via salt chemistry and interfacial engineering. <i>Nano Research</i> , 2022, 15, 2083-2091. | 10.4 | 13 |
| 2 | Boosting Fast and Stable Alkali Metal Ion Storage by Synergistic Engineering of Oxygen Vacancy and Amorphous Structure. <i>Advanced Functional Materials</i> , 2022, 32, 2106751. | 14.9 | 38 |
| 3 | High CO ₂ separation performance on a metal-organic framework composed of nano-cages lined with an ultra-high density of dual-side open metal sites. <i>Materials Advances</i> , 2022, 3, 493-497. | 5.4 | 8 |
| 4 | Adsorption in Reversed Order of C ₂ Hydrocarbons on an Ultramicroporous Fluorinated Metal-Organic Framework. <i>Angewandte Chemie - International Edition</i> , 2022, 61, . | 13.8 | 34 |
| 5 | Adsorption in Reversed Order of C ₂ Hydrocarbons on an Ultramicroporous Fluorinated Metal-Organic Framework. <i>Angewandte Chemie</i> , 2022, 134, . | 2.0 | 7 |
| 6 | Adsorption Site Selective Occupation Strategy within a Metal-Organic Framework for Highly Efficient Sieving Acetylene from Carbon Dioxide. <i>Angewandte Chemie</i> , 2021, 133, 4620-4624. | 2.0 | 33 |
| 7 | Adsorption Site Selective Occupation Strategy within a Metal-Organic Framework for Highly Efficient Sieving Acetylene from Carbon Dioxide. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 4570-4574. | 13.8 | 117 |
| 8 | A CoSe@C@C core-shell structure with stable potassium storage performance realized by an effective solid electrolyte interphase layer. <i>Journal of Materials Chemistry A</i> , 2021, 9, 11397-11404. | 10.3 | 28 |
| 9 | Boosting fast and stable potassium storage of iron selenide/carbon nanocomposites by electrolyte salt and solvent chemistry. <i>Journal of Power Sources</i> , 2021, 486, 229373. | 7.8 | 41 |
| 10 | Carbon-coated NiSe nanoparticles anchored on reduced graphene oxide: a high-rate and long-life anode for potassium-ion batteries. <i>Sustainable Energy and Fuels</i> , 2021, 5, 3240-3246. | 4.9 | 16 |
| 11 | Sustained-Release Method for the Directed Synthesis of ZIF-Derived Ultrafine Co-N-C ORR Catalysts with Embedded Co Quantum Dots. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 57847-57858. | 8.0 | 46 |
| 12 | Spherical Superstructure of Boron Nitride Nanosheets Derived from Boron-Containing Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2020, 142, 8755-8762. | 13.7 | 96 |
| 13 | Cotton fabrics-derived flexible nitrogen-doped activated carbon cloth for high-performance supercapacitors in organic electrolyte. <i>Electrochimica Acta</i> , 2020, 354, 136717. | 5.2 | 44 |
| 14 | Bottom-Up Fabrication of a Sandwich-Like Carbon/Graphene Heterostructure with Built-In FeNC Dopants as Non-Noble Electrocatalyst for Oxygen Reduction Reaction. <i>Chemistry - an Asian Journal</i> , 2020, 15, 432-439. | 3.3 | 17 |
| 15 | Metal-organic frameworks: a promising platform for constructing non-noble electrocatalysts for the oxygen-reduction reaction. <i>Journal of Materials Chemistry A</i> , 2019, 7, 1964-1988. | 10.3 | 165 |
| 16 | Superstructure of a Metal-Organic Framework Derived from Microdroplet Flow Reaction: An Intermediate State of Crystallization by Particle Attachment. <i>ACS Nano</i> , 2019, 13, 2901-2912. | 14.6 | 47 |
| 17 | One-step and scalable synthesis of Ni ₂ P nanocrystals encapsulated in N,P-codoped hierarchically porous carbon matrix using a bipyridine and phosphonate linked nickel metal-organic framework as highly efficient electrocatalysts for overall water splitting. <i>Electrochimica Acta</i> , 2019, 297, 755-766. | 5.2 | 44 |
| 18 | Impact of moderative ligand hydrolysis on morphology evolution and the morphology-dependent breathing effect performance of MIL-53(Al). <i>CrystEngComm</i> , 2018, 20, 2102-2111. | 2.6 | 9 |

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|----|---|------|-----------|
| 19 | Boosting ORR Catalytic Activity by Integrating Pyridine-N Dopants, a High Degree of Graphitization, and Hierarchical Pores into a MOF-Derived N-Doped Carbon in a Tandem Synthesis. <i>Chemistry - an Asian Journal</i> , 2018, 13, 1318-1326. | 3.3 | 24 |
| 20 | Bottom-Up Fabrication of Ultrathin 2D Zr Metal-Organic Framework Nanosheets through a Facile Continuous Microdroplet Flow Reaction. <i>Chemistry of Materials</i> , 2018, 30, 3048-3059. | 6.7 | 85 |
| 21 | Nickel metal-organic framework implanted on graphene and incubated to be ultrasmall nickel phosphide nanocrystals acts as a highly efficient water splitting electrocatalyst. <i>Journal of Materials Chemistry A</i> , 2018, 6, 1682-1691. | 10.3 | 168 |
| 22 | Continuous synthesis for zirconium metal-organic frameworks with high quality and productivity via microdroplet flow reaction. <i>Chinese Chemical Letters</i> , 2018, 29, 849-853. | 9.0 | 33 |
| 23 | Titanosilicate Derived SiO ₂ /TiO ₂ @C Nanosheets with Highly Distributed TiO ₂ Nanoparticles in SiO ₂ Matrix as Robust Lithium Ion Battery Anode. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 44463-44471. | 8.0 | 50 |
| 24 | Paper-Derived Flexible 3D Interconnected Carbon Microfiber Networks with Controllable Pore Sizes for Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 37046-37056. | 8.0 | 38 |
| 25 | Highly dispersed Zn nanoparticles confined in a nanoporous carbon network: promising anode materials for sodium and potassium ion batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 17371-17377. | 10.3 | 75 |
| 26 | Synthesis of Mesoporous γ-Al ₂ O ₃ with Spongy Structure: In-Situ Conversion of Metal-Organic Frameworks and Improved Performance as Catalyst Support in Hydrodesulfurization. <i>Materials</i> , 2018, 11, 1067. | 2.9 | 10 |
| 27 | High oxygen reduction activity on a metal-organic framework derived carbon combined with high degree of graphitization and pyridinic-N dopants. <i>Journal of Materials Chemistry A</i> , 2017, 5, 789-795. | 10.3 | 171 |
| 28 | In Situ Synthesis Strategy for Hierarchically Porous Ni ₂ P Polyhedrons from MOFs Templates with Enhanced Electrochemical Properties for Hydrogen Evolution. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 11642-11650. | 8.0 | 158 |
| 29 | Ultrafine TiO ₂ Nanoparticles Confined in N-Doped Porous Carbon Networks as Anodes of High-Performance Sodium-Ion Batteries. <i>ChemElectroChem</i> , 2017, 4, 1516-1522. | 3.4 | 30 |
| 30 | Missing-node directed synthesis of hierarchical pores on a zirconium metal-organic framework with tunable porosity and enhanced surface acidity via a microdroplet flow reaction. <i>Journal of Materials Chemistry A</i> , 2017, 5, 22372-22379. | 10.3 | 159 |
| 31 | Metal-Organic Frameworks Derived Nanotube of Nickel-Cobalt Bimetal Phosphides as Highly Efficient Electrocatalysts for Overall Water Splitting. <i>Advanced Functional Materials</i> , 2017, 27, 1703455. | 14.9 | 597 |
| 32 | Exceptional high selectivity of hydrogen/methane separation on a phosphonate-based MOF membrane with exclusion of methane molecules. <i>Chemical Communications</i> , 2017, 53, 9797-9800. | 4.1 | 28 |
| 33 | Carbonates (bicarbonates)/reduced graphene oxide as anode materials for sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 24645-24650. | 10.3 | 21 |
| 34 | Increasing the CO ₂ /N ₂ Selectivity with a Higher Surface Density of Pyridinic Lewis Basic Sites in Porous Carbon Derived from a Pyridyl-Ligand-Based Metal-Organic Framework. <i>Chemistry - an Asian Journal</i> , 2016, 11, 1913-1920. | 3.3 | 24 |
| 35 | Large Single Crystals of Heterosubstituted Titanosilicate JDF-1 Grown Orthogonally in a Regular Levo-Spiral Mode. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 5185-5188. | 2.0 | 3 |
| 36 | Porous Carbon Polyhedrons with High-Level Nitrogen-Doping for High-Performance Sodium-Ion Battery Anodes. <i>ChemistrySelect</i> , 2016, 1, 6442-6447. | 1.5 | 14 |

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|----|--|------|-----------|
| 37 | Hierarchical tubular structures constructed from rutile TiO ₂ nanorods with superior sodium storage properties. <i>Electrochimica Acta</i> , 2016, 211, 77-82. | 5.2 | 29 |
| 38 | Kinetic molecular sieving, thermodynamic and structural aspects of gas/vapor sorption on metal organic framework [Ni _{1.5} (4,4'-bipyridine) _{1.5} (H ₃ L)(H ₂ O) ₃][H ₂ O] ₇ where H ₆ L = 2,4,6-trimethylbenzene-1,3,5-triyl tris(methylene)triphosphonic acid. <i>Journal of Materials Chemistry A</i> , 2016, 4, 1353-1365. | 10.3 | 26 |
| 39 | Enhanced CO ₂ Adsorption Affinity in a NbO _x type MOF Constructed from a Low-Cost Diisophthalate Ligand with a Piperazine-Ring Bridge. <i>Chemistry - an Asian Journal</i> , 2015, 10, 1864-1869. | 3.3 | 26 |
| 40 | Hysteretic Gas and Vapor Sorption in Flexible Interpenetrated Lanthanide-Based Metal-Organic Frameworks with Coordinated Molecular Gating via Reversible Single-Crystal-to-Single-Crystal Transformation for Enhanced Selectivity. <i>Chemistry of Materials</i> , 2015, 27, 1502-1516. | 6.7 | 76 |
| 41 | Solvothermal Metal Metathesis on a Metal-Organic Framework with Constricted Pores and the Study of Gas Separation. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 25402-25412. | 8.0 | 18 |
| 42 | General Synthesis of MnO _x (MnO ₂ , Mn ₂ O ₃ , Mn ₃ O ₄ , MnO) Hierarchical Microspheres as Lithium-ion Battery Anodes. <i>Electrochimica Acta</i> , 2015, 184, 250-256. | 5.2 | 152 |
| 43 | Production of highly microporous carbons with large CO ₂ uptakes at atmospheric pressure by KOH activation of peanut shell char. <i>Journal of Porous Materials</i> , 2015, 22, 1581-1588. | 2.6 | 46 |
| 44 | Enhanced Uptake and Selectivity of CO ₂ Adsorption in a Hydrostable Metal-Organic Frameworks via Incorporating Methylol and Methyl Groups. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 16932-16940. | 8.0 | 46 |
| 45 | Structure tuning of metal phosphonates: Syntheses, structures and characterizations of two new lead (II) trisphosphonates. <i>Inorganic Chemistry Communication</i> , 2014, 39, 51-55. | 3.9 | 8 |
| 46 | Gas Sorption Studies on a Microporous Coordination Polymer Assembled from 2D Grid Layers by Strong H ₂ O-H ₂ O Interactions. <i>Chemistry - an Asian Journal</i> , 2014, 9, 901-907. | 3.3 | 9 |
| 47 | High gas storage capacities and stepwise adsorption in a UiO type metal-organic framework incorporating Lewis basic bipyridyl sites. <i>Chemical Communications</i> , 2014, 50, 2304. | 4.1 | 244 |
| 48 | High CO ₂ /N ₂ and CO ₂ /CH ₄ selectivity in a chiral metal-organic framework with contracted pores and multiple functionalities. <i>Chemical Communications</i> , 2014, 50, 6886-6889. | 4.1 | 63 |
| 49 | Gas Storage and Diffusion through Nanocages and Windows in Porous Metal-Organic Framework Cu ₂ (2,3,5,6-tetramethylbenzene-1,4-diisophthalate)(H ₂ O) ₂ . <i>Chemistry of Materials</i> , 2014, 26, 4679-4695. | 6.7 | 73 |
| 50 | An exceptional kinetic quantum sieving separation effect of hydrogen isotopes on commercially available carbon molecular sieves. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 15800-15805. | 2.8 | 26 |
| 51 | Tuning the structure of metal phosphonates using uncoordinating methyl group: syntheses, structures and properties of a series of metal diphosphonates. <i>CrystEngComm</i> , 2014, 16, 7043. | 2.6 | 20 |
| 52 | Investigation of the structure variation of metal diphosphonates with the changing of N-donor auxiliary ligands and their properties. <i>CrystEngComm</i> , 2014, 16, 9104-9115. | 2.6 | 11 |
| 53 | Zinc Metal-Organic Frameworks Based on a Flexible Benzylaminetetra-carboxylic Acid and Bipyridine Colinkers. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 3133-3139. | 2.0 | 3 |
| 54 | Nitrogen-doped porous carbons from bipyridine-based metal-organic frameworks: Electrocatalysis for oxygen reduction reaction and Pt-catalyst support for methanol electrooxidation. <i>Carbon</i> , 2014, 79, 544-553. | 10.3 | 68 |

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|----|--|------|-----------|
| 55 | Large Surface Area Ordered Porous Carbons via Nanocasting Zeolite 10X and High Performance for Hydrogen Storage Application. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 167-175. | 8.0 | 59 |
| 56 | Oxygen reduction in the nanocage of metal-organic frameworks with an electron transfer mediator. <i>Journal of Materials Chemistry A</i> , 2014, 2, 5323-5329. | 10.3 | 85 |
| 57 | An rht type metal-organic framework based on small cubicoctahedron supermolecular building blocks and its gas adsorption properties. <i>New Journal of Chemistry</i> , 2013, 37, 3662. | 2.8 | 21 |
| 58 | Infinite Metal-Carboxylate Nanotube Constructed Metal-Organic Frameworks and Gas Sorption Properties. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 5081-5085. | 2.0 | 6 |
| 59 | Fabrication of new metal phosphonates from tritopic trisphosphonic acid containing methyl groups and auxiliary ligands: syntheses, structures and gas adsorption properties. <i>CrystEngComm</i> , 2013, 15, 1860. | 2.6 | 35 |
| 60 | Synthesis and characterization of bisphenol sodium complexes: An efficient catalyst for the ring-opening polymerization of L-lactide. <i>Inorganic Chemistry Communication</i> , 2013, 29, 89-93. | 3.9 | 15 |
| 61 | Syntheses, Structures, and Properties of Copper(II), Cobalt(II), and Cadmium(II) Complexes with Flexible Multicarboxylate Ligand. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2013, 639, 967-973. | 1.2 | 1 |
| 62 | Synthesis, Structures, and Properties of Two Novel Coordination Polymers with a V-shaped Diphosphonate Ligand. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2013, 639, 1845-1849. | 1.2 | 5 |
| 63 | A Series of Exceptionally Robust Luminescent Coordination Polymers Based on a Bipyridyldicarboxylate Ligand and Rare-Earth-Metal Ions. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 6111-6118. | 2.0 | 16 |