

# Lijia Liu

## List of Publications by Year in descending order

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69  
papers

1,567  
citations

331670

21  
h-index

330143

37  
g-index

69  
all docs

69  
docs citations

69  
times ranked

890  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Efficient uranium adsorbent with antimicrobial function constructed by grafting amidoxime groups on ZIF-90 via malononitrile intermediate. <i>Journal of Hazardous Materials</i> , 2022, 422, 126872.   | 12.4 | 54        |
| 2  | Synthesis and bioactivities of new N-terminal dipeptide mimetics with aromatic amide moiety: Broad-spectrum antibacterial activity and high antineoplastic activity. <i>European Journal of Medicinal Chemistry</i> , 2022, 228, 113977.                            | 5.5  | 6         |
| 3  | A miniaturized analytical method based on molecularly imprinted absorbents for selective extraction of (<i>S</i>)-1,1'-binaphthyl-2,2'-diamine and combinatorial screening of polymer precursors by computational simulation. <i>Chirality</i> , 2022, 34, 147-159. | 2.6  | 0         |
| 4  | Novel highly efficient <i>absolute</i> optical resolution method by serial combination of two asymmetric reactions from acetylene monomers having racemic substituents. <i>Chirality</i> , 2022, 34, 450-461.   | 2.6  | 5         |
| 5  | Synthesis of a porous amidoxime modified hypercrosslinked benzil polymer and efficient uranium extraction from water. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 641, 128508.  | 4.7  | 26        |
| 6  | Membrane-active amino acid-coupled polyetheramine derivatives with high selectivity and broad-spectrum antibacterial activity. <i>Acta Biomaterialia</i> , 2022, 142, 136-148.  | 8.3  | 8         |
| 7  | Oxime-modified hierarchical self-assembly polyimide microspheres for high-efficient uranium recovery from wastewater. <i>Environmental Science: Nano</i> , 2022, 9, 1168-1179.  | 4.3  | 11        |
| 8  | Facile construction of a novel binder-free graphene/polyimide foam-based Au electrode for H <sub>2</sub> O <sub>2</sub> electroreduction. <i>Materials Chemistry and Physics</i> , 2022, 284, 125947.   | 4.0  | 5         |
| 9  | MOF modified with copolymers containing carboxyl and amidoxime groups and high efficiency U (VI) extraction from seawater. <i>Separation and Purification Technology</i> , 2022, 291, 120946.   | 7.9  | 28        |
| 10 | Polyisocyanide Quaternary Ammonium Salts with Exceptionally Star-Shaped Structure for Enhanced Antibacterial Properties. <i>Polymers</i> , 2022, 14, 1737.  | 4.5  | 5         |
| 11 | Antimicrobial and antitumor activity of peptidomimetics synthesized from amino acids. <i>Bioorganic Chemistry</i> , 2021, 106, 104506.  | 4.1  | 12        |
| 12 | Preparation of electrospun polyvinylidene fluoride/amidoximized polyacrylonitrile nanofibers for trace metal ions removal from contaminated water. <i>Journal of Porous Materials</i> , 2021, 28, 383-392.  | 2.6  | 15        |
| 13 | Efficient uranium adsorption by amidoximized porous polyacrylonitrile with hierarchical pore structure prepared by freeze-extraction. <i>Journal of Molecular Liquids</i> , 2021, 328, 115304.  | 4.9  | 46        |
| 14 | Design, Synthesis, Antibacterial, and Antitumor Activity of Linear Polyisocyanide Quaternary Ammonium Salts with Different Structures and Chain Lengths. <i>Molecules</i> , 2021, 26, 5686.   | 3.8  | 6         |
| 15 | Synthesis of phosphorylated hyper-cross-linked polymers and their efficient uranium adsorption in water. <i>Journal of Hazardous Materials</i> , 2021, 419, 126538.   | 12.4 | 103       |
| 16 | Efficient uranium adsorbent with antimicrobial function: Oxime functionalized ZIF-90. <i>Chemical Engineering Journal</i> , 2021, 425, 130468.  | 12.7 | 67        |
| 17 | Synthesis of antibacterial polyether biguanide curing agent and its cured antibacterial epoxy resin. <i>Designed Monomers and Polymers</i> , 2021, 24, 63-72.   | 1.6  | 3         |
| 18 | An efficient chiral porous catalyst support " Hypercrosslinked amino acid polymer. <i>Journal of Catalysis</i> , 2021, 404, 411-419.  | 6.2  | 5         |

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|----|--|------|-----------|
| 19 | Thermotropic, Reversible, and Highly Selective One-Handed Helical Structure of Hydroxyl Group-Containing Poly(phenylacetylene)s and Its Static Memory. <i>Macromolecules</i> , 2021, 54, 10216-10223.                      | 4.8  | 8         |
| 20 | Nontraditional Luminescent Molecular Aggregates Encapsulated by Wormlike Silica Nanoparticles for Latent Fingerprint Detection. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 51695-51707.                     | 8.0  | 10        |
| 21 | On-off reversible switching of the chirality of one-handed helical Poly(phenylacetylene)s by polarity stimuli. <i>Polymer</i> , 2021, 237, 124347.   | 3.8  | 2         |
| 22 | Improved anti-organic fouling and antibacterial properties of PVDF ultrafiltration membrane by one-step grafting imidazole-functionalized graphene oxide. <i>Materials Science and Engineering C</i> , 2021, 131, 112517.  | 7.3  | 20        |
| 23 | Synthesis and asymmetric catalytic performance of one-handed helical poly(phenylacetylene)s bearing proline dipeptide pendants. <i>Reactive and Functional Polymers</i> , 2020, 146, 104392.                               | 4.1  | 4         |
| 24 | Efficient adsorbent for recovering uranium from seawater prepared by grafting amidoxime groups on chloromethylated MIL-101(Cr) via diaminomaleonitrile intermediate. <i>Desalination</i> , 2020, 478, 114300.              | 8.2  | 64        |
| 25 | Preparation of a hydrophilic and antibacterial dual function ultrafiltration membrane with quaternized graphene oxide as a modifier. <i>Journal of Colloid and Interface Science</i> , 2020, 562, 182-192.                 | 9.4  | 144       |
| 26 | Enantioseparation using helical polyacetylene derivatives. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 123, 115762.   | 11.4 | 38        |
| 27 | Rational Design of Novel Efficient Palladium Electrode Embellished 3D Hierarchical Graphene/Polyimide Foam for Hydrogen Peroxide Electroreduction. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 934-944.      | 8.0  | 27        |
| 28 | Antibacterial and drug-release dual-function membranes of cross-linked hyperbranched cationic polymers. <i>Reactive and Functional Polymers</i> , 2020, 157, 104749.   | 4.1  | 11        |
| 29 | Synthesis of poly(phenylacetylene)s containing chiral phenylethyl carbamate residues as coated-type CSPs with high solvent tolerability. <i>Chirality</i> , 2020, 32, 547-555.   | 2.6  | 3         |
| 30 | Helical Chirality Inversion of Poly(biphenylacetylene) with Hydroxyl Groups Induced by a Single Enantiomer and Memory of the Helices. <i>Macromolecules</i> , 2020, 53, 10734-10743.                                       | 4.8  | 6         |
| 31 | Efficient Liquid-Liquid Extraction of Benzene from Its Mixture with Cyclohexane by Utilizing Hyperbranched Polymeric Ammoniums Salts. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 15321-15331.      | 3.7  | 1         |
| 32 | Influence of different sequences of <i>l</i> -proline dipeptide derivatives in the pendants on the helix of poly(phenylacetylene)s and their enantioseparation properties. <i>Polymer Chemistry</i> , 2019, 10, 4810-4817. | 3.9  | 16        |
| 33 | Synthesis of helical poly(phenylacetylene) derivatives bearing diastereomeric pendants for enantioseparation by HPLC. <i>New Journal of Chemistry</i> , 2019, 43, 3439-3446.   | 2.8  | 15        |
| 34 | Preparation of carboxylated graphene oxide for enhanced adsorption of U(VI). <i>Journal of Solid State Chemistry</i> , 2019, 277, 9-16.  | 2.9  | 39        |
| 35 | Preparation of high peel strength and high anti-aging epoxy adhesive that used for bonding aluminum alloy without surface treatment. <i>Journal of Adhesion Science and Technology</i> , 2019, 33, 1770-1789.              | 2.6  | 1         |
| 36 | Recyclable helical poly(phenylacetylene)-supported catalyst for asymmetric aldol reaction in aqueous media. <i>Journal of Polymer Science Part A</i> , 2019, 57, 1024-1031.  | 2.3  | 27        |

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|----|---|------|-----------|
| 37 | Influence of Impeller Speed Patterns on Hemodynamic Characteristics and Hemolysis of the Blood Pump. <i>Applied Sciences</i> (Switzerland), 2019, 9, 4689.  | 2.5  | 16        |
| 38 | Supramolecular chirality control via self-assembly of oligoaniline in the chemical oxidative polymerization process. <i>New Journal of Chemistry</i> , 2018, 42, 16766-16773.   | 2.8  | 6         |
| 39 | Chiral teletransmission in the cis-cisoidal sequence of copoly(substituted acetylene)s by multiple stage solvent exchange of the copolymer solution through a membrane. <i>Polymer</i> , 2018, 154, 253-257.  | 3.8  | 4         |
| 40 | Synthesis and characterization of paclitaxel-imprinted microparticles for controlled release of an anticancer drug. <i>Materials Science and Engineering C</i> , 2018, 92, 338-348.   | 7.3  | 51        |
| 41 | Ultrahigh oxygen permeability of chemically-modified membranes of novel (co)polyacetylenes having a photodegradative backbone and crosslinkable side chains. <i>Polymer</i> , 2018, 149, 117-123.   | 3.8  | 1         |
| 42 | Helix-Sense-Selective Polymerization of Achiral Phenylacetylenes and Unique Properties of the Resulting Cis-cisoidal Polymers. <i>Polymer Reviews</i> , 2017, 57, 89-118.   | 10.9 | 49        |
| 43 | A surface molecularly imprinted polymer as chiral stationary phase for chiral separation of 1,1'-binaphthalene-2,2'-naphthol racemates. <i>Chirality</i> , 2017, 29, 340-347.   | 2.6  | 13        |
| 44 | Immobilization of helical poly(phenylacetylene)s having l-phenylalanine ethyl ester pendants onto silica gel as chiral stationary phases for HPLC. <i>Polymer</i> , 2017, 131, 17-24.   | 3.8  | 17        |
| 45 | A New Analysis Method for Quantitative Determination of Triads of Copoly(substituted acetylene) Backbones by Highly Selective Photocyclic Aromatization. <i>Chemistry Letters</i> , 2017, 46, 1608-1611.  | 1.3  | 3         |
| 46 | Temperature-Triggered Switchable Helix-Helix Inversion of Poly(phenylacetylene) Bearing l-Valine Ethyl Ester Pendants and Its Chiral Recognition Ability. <i>Molecules</i> , 2016, 21, 1583.  | 3.8  | 13        |
| 47 | Synthesis of One-Handed Helical Block Copoly(substituted acetylene)s Consisting of Dynamic <i>cis-transoidal</i> and Static <i>cis-cisoidal</i> Block: Chiral Teleinduction in Helix-Sense-Selective Polymerization Using a Chiral Living Polymer as an Initiator. <i>ACS Macro Letters</i> , 2016, 5, 1381-1385. | 4.8  | 37        |
| 48 | Helix helix inversion of an optically-inactive $\pi$ -conjugated foldamer triggered by concentration changes of a single enantiomeric guest leading to a change in the helical stability. <i>Chemical Communications</i> , 2016, 52, 11752-11755.   | 4.1  | 23        |
| 49 | Highly Selective Photocyclic Aromatization (SCAT)-GPC Method for Quantitative Determination of Microstructures of Copoly(substituted acetylenes) Backbone. <i>Chemistry Letters</i> , 2016, 45, 813-815.  | 1.3  | 5         |
| 50 | Kinetics simulation and a novel curing procedure to avoid thermal shock during the curing process of epoxy composites. <i>RSC Advances</i> , 2016, 6, 65533-65540.  | 3.6  | 4         |
| 51 | Helix-sense-selective Polymerization of Achiral Phenylacetylenes by Using One-handed Helical Poly(phenylacetylene)s as Chiral Cocatalysts Prepared by Helix-sense-selective Polymerization of Achiral Phenylacetylenes. <i>Chemistry Letters</i> , 2015, 44, 318-320.   | 1.3  | 3         |
| 52 | Influence of Helical Structure on Chiral Recognition of Poly(phenylacetylene)s Bearing Phenylcarbamate Residues of <i>l</i> -Phenylglycinol and Amide Linage as Pendants. <i>Chirality</i> , 2015, 27, 500-506.   | 2.6  | 16        |
| 53 | A Chiral Supramolecular Polymer Membrane with no Chiral Substituents by Highly Selective Photocyclic Aromatization of a One-Handed Helical <i>Cis-cisoidal</i> Polyphenylacetylene. <i>Macromolecular Chemistry and Physics</i> , 2015, 216, 530-537.   | 2.2  | 14        |
| 54 | Macromol. Chem. Phys. 5/2015. <i>Macromolecular Chemistry and Physics</i> , 2015, 216, 584-584.   | 2.2  | 0         |

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|----|--|------|-----------|
| 55 | Synthesis and chiral recognition of helical poly(phenylacetylene)s bearing $\alpha$ -phenylglycinol and its phenylcarbamates as pendants. <i>Journal of Polymer Science Part A</i> , 2015, 53, 809-821.  | 2.3  | 21        |
| 56 | A Helical Polyphenylacetylene Having Amino Alcohol Moieties Without Chiral Side Groups as a Chiral Ligand for the Asymmetric Addition of Diethylzinc to Benzaldehyde. <i>Chirality</i> , 2015, 27, 454-458.  | 2.6  | 9         |
| 57 | A chiral stationary phase coated by surface molecularly imprinted polymer for separating 1,1'-binaphthalene-2,2'-diamine enantiomer by high performance liquid chromatography. <i>Journal of Chromatography A</i> , 2015, 1376, 172-176.   | 3.7  | 26        |
| 58 | Facile synthesis of five 2D surface modifiers by highly selective photocyclic aromatization and efficient enhancement of oxygen permselectivities of three polymer membranes by surface modification using a small amount of the 2D surface modifiers. <i>Polymer</i> , 2014, 55, 1384-1396. | 3.8  | 14        |
| 59 | Synthesis and Enantioselective Permeability of One-handed Helical Multihydroxy Poly(phenylacetylene) Membrane by In Situ Removal of the Original Chiral Substituents. <i>Chemistry Letters</i> , 2014, 43, 237-239.  | 1.3  | 9         |
| 60 | Top-Down Preparation of Self-Supporting Supramolecular Polymeric Membranes Using Highly Selective Photocyclic Aromatization of Cisoid Helical Poly(phenylacetylene)s in the Membrane State. <i>Journal of the American Chemical Society</i> , 2013, 135, 602-605.                            | 13.7 | 112       |
| 61 | Flexible self-supporting supramolecular polymeric membranes consisting of 1,3,5-trisubstituted benzene derivatives synthesized by highly selective photocyclic aromatization of helical poly(phenylacetylene)s in the membrane state. <i>Polymer</i> , 2013, 54, 4431-4435.                  | 3.8  | 20        |
| 62 | Synthesis of Helical Poly(phenylacetylene)s with Amide Linkage Bearing $\alpha$ -Phenylalanine and $\alpha$ -Phenylglycine Ethyl Ester Pendants and Their Applications as Chiral Stationary Phases for HPLC. <i>Macromolecules</i> , 2013, 46, 8406-8415.                                    | 4.8  | 96        |
| 63 | Chiral Amplification during Asymmetric-Induced Copolymerization of Phenylacetylenes with Tight Cisoid Main Chains. <i>Macromolecular Rapid Communications</i> , 2013, 34, 1140-1144.   | 3.9  | 16        |
| 64 | Facile Synthesis of an Amphiphilic 1,3,5-Trisubstituted Benzene as a Novel Surface Modifier by Selective Photocyclic Aromatization and Efficient Improvement of Oxygen Permselectivity by the Addition of the Surface Modifier. <i>Chemistry Letters</i> , 2013, 42, 1090-1092.              | 1.3  | 9         |
| 65 | Chiral Teleinduction in Asymmetric Polymerization of 3,5-Bis(hydroxymethyl)phenylacetylene Having a Chiral Group via a Very Long and Rigid Spacer at 4-Position. <i>Chemistry Letters</i> , 2012, 41, 244-246.   | 1.3  | 8         |
| 66 | Pseudo helix-sense-selective polymerisation of achiral substituted acetylenes. <i>Chemical Communications</i> , 2012, 48, 4761.  | 4.1  | 34        |
| 67 | Synthesis of Stable and Soluble One-Handed Helical Homopoly(substituted acetylene)s without the Coexistence of Any Other Chiral Moieties via Two-Step Polymer Reactions in Membrane State: Molecular Design of the Starting Monomer. <i>Molecules</i> , 2012, 17, 433-451.                   | 3.8  | 7         |
| 68 | Synthesis of stable and soluble one-handed helical poly(substituted acetylene)s without chiral pendant groups via polymer reaction in membrane state. <i>Polymer</i> , 2012, 53, 2129-2133.  | 3.8  | 11        |
| 69 | New Achiral Phenylacetylene Monomers Having an Oligosiloxanyl Group Most Suitable for Helix-Sense-Selective Polymerization and for Obtaining Good Optical Resolution Membrane Materials. <i>Macromolecules</i> , 2010, 43, 9268-9276.  | 4.8  | 59        |