

Lijia Liu

List of Publications by Year in descending order

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69
papers

1,567
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331670

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all docs

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docs citations

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times ranked

890
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#	ARTICLE	IF	CITATIONS
1	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
2	Top-Down Preparation of Self-Supporting Supramolecular Polymeric Membranes Using Highly Selective Photocyclic Aromatization of Cis-oid Helical Poly(phenylacetylene)s in the Membrane State. <i>Journal of the American Chemical Society</i> , 2013, 135, 602-605.	13.7	112
3	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
4	Synthesis of Helical Poly(phenylacetylene)s with Amide Linkage Bearing <i>l</i> -Phenylalanine and <i>l</i> -Phenylglycine Ethyl Ester Pendants and Their Applications as Chiral Stationary Phases for HPLC. <i>Macromolecules</i> , 2013, 46, 8406-8415.	4.8	96
5	Efficient uranium adsorbent with antimicrobial function: Oxime functionalized ZIF-90. <i>Chemical Engineering Journal</i> , 2021, 425, 130468.	12.7	67
6	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
7	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
8	Efficient uranium adsorbent with antimicrobial function constructed by grafting amidoxime groups on ZIF-90 via malonitrile intermediate. <i>Journal of Hazardous Materials</i> , 2022, 422, 126872.	12.4	54
9	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
10	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
11	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
12	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
13	Enantioseparation using helical polyacetylene derivatives. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 123, 115762.	11.4	38
14	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
15	Pseudo helix-sense-selective polymerisation of achiral substituted acetylenes. <i>Chemical Communications</i> , 2012, 48, 4761.	4.1	34
16	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
17	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
18	Rational Design of Novel Efficient Palladium Electrode Embellished 3D Hierarchical Graphene/Polyimide Foam for Hydrogen Peroxide Electroreduction. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 934-944.	8.0	27

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19	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
20	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
21	Helix-helix inversion of an optically-inactive β -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
22	Synthesis and chiral recognition of helical poly(phenylacetylene)s bearing L-phenylglycinol and its phenylcarbamates as pendants. <i>Journal of Polymer Science Part A</i> , 2015, 53, 809-821.	2.3	21
23	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
24	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
25	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
26	Chiral Amplification during Asymmetric-Induced Copolymerization of Phenylacetylenes with Tight Cis-Cisoidal Main Chains. <i>Macromolecular Rapid Communications</i> , 2013, 34, 1140-1144.	3.9	16
27	Influence of Helical Structure on Chiral Recognition of Poly(phenylacetylene)s Bearing Phenylcarbamate Residues of L-Phenylglycinol and Amide Linage as Pendants. <i>Chirality</i> , 2015, 27, 500-506.	2.6	16
28	Influence of different sequences of L-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
29	Influence of Impeller Speed Patterns on Hemodynamic Characteristics and Hemolysis of the Blood Pump. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4689.	2.5	16
30	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
31	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
32	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
33	A Chiral Supramolecular Polymer Membrane with no Chiral Substituents by Highly Selective Photocyclic Aromatization of a One-Handed Helical Cisoidal Polyphenylacetylene. <i>Macromolecular Chemistry and Physics</i> , 2015, 216, 530-537.	2.2	14
34	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
35	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
36	Antimicrobial and antitumor activity of peptidomimetics synthesized from amino acids. <i>Bioorganic Chemistry</i> , 2021, 106, 104506.	4.1	12

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37	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
38	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
39	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
40	Nontraditional Luminescent Molecular Aggregates Encapsulated by Wormlike Silica Nanoparticles for Latent Fingerprint Detection. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 51695-51707.	8.0	10
41	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
42	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
43	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
44	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
45	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
46	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
47	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
48	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
49	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
50	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
51	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
52	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
53	An efficient chiral porous catalyst support " Hypercrosslinked amino acid polymer. <i>Journal of Catalysis</i> , 2021, 404, 411-419.	6.2	5
54	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

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55	Facile construction of a novel binder-free graphene/polyimide foam-based Au electrode for H ₂ O ₂ electroreduction. <i>Materials Chemistry and Physics</i> , 2022, 284, 125947.	4.0	5
56	Polyisocyanide Quaternary Ammonium Salts with Exceptionally Star-Shaped Structure for Enhanced Antibacterial Properties. <i>Polymers</i> , 2022, 14, 1737.	4.5	5
57	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
58	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
59	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
60	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
61	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
62	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
63	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
64	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
65	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
66	Efficient Liquid-Liquid Extraction of Benzene from Its Mixture with Cyclohexane by Utilizing Hyperbranched Polymeric Ammoniums Salts. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 15321-15331.	3.7	1
67	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
68	Macromol. Chem. Phys. 5/2015. <i>Macromolecular Chemistry and Physics</i> , 2015, 216, 584-584.	2.2	0
69	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