

Li-hua Yuan

List of Publications by Year in descending order

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78
papers

2,483
citations

186265

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214800

47
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81
all docs

81
docs citations

81
times ranked

1490
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Efficient and selective lanthanide recovery from highly acidic solutions by using a porous pillar[5]arene-based diglycolamide impregnated resin. <i>Hydrometallurgy</i> , 2022, 211, 105867. | 4.3 | 2 |
| 2 | Controllable photomechanical bending of metal-organic rotaxane crystals facilitated by regioselective confined-space photodimerization. <i>Nature Communications</i> , 2022, 13, 2030. | 12.8 | 19 |
| 3 | Novel triazine-based cationic covalent organic polymers for highly efficient and selective removal of selenate from contaminated water. <i>Journal of Hazardous Materials</i> , 2022, 436, 129127. | 12.4 | 6 |
| 4 | Modular Assembly of Isostructural Mixed-Ligand Uranyl Coordination Polymers Based on a Patterning Strategy. <i>Inorganic Chemistry</i> , 2022, 61, 10694-10704. | 4.0 | 2 |
| 5 | Recent Advances of Photoresponsive Supramolecular Switches. <i>Asian Journal of Organic Chemistry</i> , 2021, 10, 74-90. | 2.7 | 33 |
| 6 | Highly efficient actinide(III)/lanthanide(III) separation by novel pillar[5]arene-based picolinamide ligands: A study on synthesis, solvent extraction and complexation. <i>Journal of Hazardous Materials</i> , 2021, 405, 124214. | 12.4 | 21 |
| 7 | Switchable supramolecular ensemble for anion binding with ditopic hydrogen-bonded macrocycles. <i>Organic Chemistry Frontiers</i> , 2021, 8, 5271-5279. | 4.5 | 5 |
| 8 | An Azobenzene-Modified Photoresponsive Thorium ^{IV} -Organic Framework: Monitoring and Quantitative Analysis of Reversible <i>cis</i> → <i>trans</i> Photoisomerization. <i>Inorganic Chemistry</i> , 2021, 60, 8519-8529. | 4.0 | 18 |
| 9 | Chiroptical Sensing of Amino Acid Derivatives by Host-Guest Complexation with Cyclo[6]aramide. <i>Molecules</i> , 2021, 26, 4064. | 3.8 | 6 |
| 10 | A review of the alpha radiolysis of extractants for actinide lanthanide separation in spent nuclear fuel reprocessing. <i>Radiochimica Acta</i> , 2021, 109, 603-623. | 1.2 | 12 |
| 11 | Endowing 2,6-bis-triazolyl-pyridine of poor extraction with superior efficiency for actinide/lanthanide separation at high acidity by anchoring to a macrocyclic scaffold. <i>Journal of Hazardous Materials</i> , 2021, 416, 125745. | 12.4 | 15 |
| 12 | Covalent triazine frameworks for the selective sorption of palladium from highly acidic radioactive liquid wastes. <i>Journal of Materials Chemistry A</i> , 2021, 9, 27320-27331. | 10.3 | 20 |
| 13 | Threading of three rings on two stations: a convergent approach to [4]rotaxane. <i>Chemical Communications</i> , 2021, 57, 13506-13509. | 4.1 | 7 |
| 14 | Phosphine oxides functionalized pillar[5]arenes for uranyl extraction: Solvent effect and thermodynamics. <i>Separation and Purification Technology</i> , 2020, 230, 115843. | 7.9 | 23 |
| 15 | Controlling the selective synthesis of [2]- and [3]rotaxanes by intermolecular steric hindrance between the macrocyclic hosts. <i>Chemical Communications</i> , 2020, 56, 1066-1069. | 4.1 | 10 |
| 16 | Light-controlled switchable complexation by a non-photoresponsive hydrogen-bonded amide macrocycle. <i>Organic Chemistry Frontiers</i> , 2020, 7, 846-855. | 4.5 | 8 |
| 17 | Highly efficient and selective pillararene-based organic materials for Hg ²⁺ and CH ₃ Hg ⁺ extraction from aqueous solution. <i>Chemical Engineering Journal</i> , 2020, 387, 124087. | 12.7 | 21 |
| 18 | Radiolytic stability of pillar[5]arene-based diglycolamides. <i>Radiochimica Acta</i> , 2020, 108, 889-900. | 1.2 | 3 |

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|----|--|------|-----------|
| 19 | Effect of ionic liquid on the extraction of uranium with pillar[5]arene-based phosphine oxide from nitric acid solutions. <i>Radiochimica Acta</i> , 2020, 108, 239-247. | 1.2 | 4 |
| 20 | A Dynamic Hydrogen-Bonded Azo-Macrocyclic for Precisely Photo-Controlled Molecular Encapsulation and Release. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 12519-12523. | 13.8 | 44 |
| 21 | A Dynamic Hydrogen-Bonded Azo-Macrocyclic for Precisely Photo-Controlled Molecular Encapsulation and Release. <i>Angewandte Chemie</i> , 2019, 131, 12649-12653. | 2.0 | 18 |
| 22 | Pillararenes as macrocyclic hosts: a rising star in metal ion separation. <i>Chemical Communications</i> , 2019, 55, 7883-7898. | 4.1 | 95 |
| 23 | Highly efficient synthesis of hydrogen-bonded aromatic tetramers as macrocyclic receptors for selective recognition of lithium ions. <i>Organic Chemistry Frontiers</i> , 2019, 6, 2654-2661. | 4.5 | 6 |
| 24 | Radiation stability of phosphine oxide functionalized pillar[5]arenes. <i>Radiochimica Acta</i> , 2019, 107, 713-724. | 1.2 | 11 |
| 25 | Strong positive allosteric cooperativity in ternary complexes based on hydrogen-bonded aromatic amide macrocycles. <i>Chemical Communications</i> , 2019, 55, 4869-4872. | 4.1 | 12 |
| 26 | Radiation stability of alkylated pillar[5]arenes. <i>Radiation Physics and Chemistry</i> , 2019, 161, 1-8. | 2.8 | 7 |
| 27 | Convergent Ditopic Receptors Enhance Anion Binding upon Alkali Metal Complexation for Catalyzing the Ritter Reaction. <i>Organic Letters</i> , 2019, 21, 652-655. | 4.6 | 23 |
| 28 | The cytochrome <i>c</i> -cyclo[6]aramide complex as a supramolecular catalyst in methanol. <i>New Journal of Chemistry</i> , 2018, 42, 3857-3866. | 2.8 | 10 |
| 29 | Highly selective extraction of uranium from nitric acid medium with phosphine oxide functionalized pillar[5]arenes in room temperature ionic liquid. <i>Separation and Purification Technology</i> , 2018, 192, 152-159. | 7.9 | 37 |
| 30 | Extraction of actinide ions using three CMPO-functionalized pillar[5]arenes in a room temperature ionic liquid. <i>Separation and Purification Technology</i> , 2018, 195, 224-231. | 7.9 | 14 |
| 31 | Multiple hydrogen bonding-induced self-assembly: transformation from nanofibrils to nanosphere with aromatic oligoamide-incorporated polyethylene glycol. <i>Journal of the Iranian Chemical Society</i> , 2018, 15, 2861-2869. | 2.2 | 2 |
| 32 | Complexation of Actinides with Phosphine Oxide Functionalized Pillar[5]arenes: Extraction and Spectroscopic Studies. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 4022-4030. | 2.0 | 8 |
| 33 | Pyridine-incorporated cyclo[6]aramide for recognition of urea and its derivatives with two different binding modes. <i>Supramolecular Chemistry</i> , 2017, 29, 730-740. | 1.2 | 10 |
| 34 | Unusual binding selectivity with non-selective homoditopic pillar[5]arene oxime: serendipitous discovery of a unique approach to heterobinuclear metalation in solution. <i>Chemical Communications</i> , 2017, 53, 2838-2841. | 4.1 | 16 |
| 35 | Understanding the extraction and complexation of thorium using structurally modified CMPO functionalized pillar[5]arenes in ionic liquid: Experimental and theoretical investigations. <i>Inorganic Chemistry Communication</i> , 2017, 75, 33-36. | 3.9 | 17 |
| 36 | Reversibly Tunable Lower Critical Solution Temperature Behavior Induced by H-Bonded Aromatic Amide Macrocyclic and Imidazolium Host-Guest Complexation. <i>Organic Letters</i> , 2017, 19, 18-21. | 4.6 | 19 |

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|----|---|------|-----------|
| 37 | Highly efficient extraction of tetra- and hexavalent plutonium using DGA functionalized pillar[5]arene in RTIL: Understanding speciation, thermodynamics and radiolytic stability. Separation Science and Technology, 2017, , 1-10. | 2.5 | 5 |
| 38 | Macrocyclic shape-persistence of cyclo[6]aramide results in enhanced multipoint recognition for the highly efficient template-directed synthesis of rotaxanes. Chemical Science, 2017, 8, 2091-2100. | 7.4 | 32 |
| 39 | A Redox-Responsive Complex System Based on ² H Shape-Persistent Cyclo[6]aramide and Ferrocenium. Asian Journal of Organic Chemistry, 2016, 5, 966-970. | 2.7 | 13 |
| 40 | Ion-pair recognition of amidinium salts by partially hydrogen-bonded heteroditopic cyclo[6]aramide. RSC Advances, 2016, 6, 39839-39845. | 3.6 | 12 |
| 41 | Effect of Hydrogen Binding on Selective Recognition of Halide Anions. Chinese Journal of Chemistry, 2016, 34, 866-872. | 4.9 | 4 |
| 42 | Highly efficient extraction of actinides with pillar[5]arene-derived diglycolamides in ionic liquids via a unique mechanism involving competitive host-guest interactions. Dalton Transactions, 2016, 45, 19299-19310. | 3.3 | 49 |
| 43 | Liquid-Crystalline Mesogens Based on Cyclo[6]aramides: Distinctive Phase Transitions in Response to Macrocyclic Host-Guest Interactions. Angewandte Chemie - International Edition, 2015, 54, 11147-11152. | 13.8 | 58 |
| 44 | Cyclo[6]aramide-Tropylium Charge Transfer Complex as a Colorimetric Chemosensor for Differentiation of Intimate and Loose Ion Pairs. Organic Letters, 2015, 17, 5950-5953. | 4.6 | 29 |
| 45 | A rare case for binding a diquat salt by two cyclo[6]aramides. Supramolecular Chemistry, 2015, 27, 436-443. | 1.2 | 18 |
| 46 | Ditopic CMPO-pillar[5]arenes as unique receptors for efficient separation of americium(ⁱⁱⁱ) and europium(ⁱⁱⁱ). Chemical Communications, 2015, 51, 4263-4266. | 4.1 | 80 |
| 47 | Phosphorous-Based Pillar[5]arenes for Uranyl Extraction. Chinese Journal of Chemistry, 2015, 33, 361-367. | 4.9 | 25 |
| 48 | A non-symmetric pillar[5]arene based on triazole-linked 8-oxyquinolines as a sequential sensor for thorium(^{iv}) followed by fluoride ions. Dalton Transactions, 2015, 44, 14584-14588. | 3.3 | 50 |
| 49 | Probing of the local environment and calculation of J.O. parameters for Eu ³⁺ CMPO functionalized pillararene complexes by time resolved fluorescence spectroscopy. Journal of Luminescence, 2015, 166, 187-194. | 3.1 | 18 |
| 50 | Efficient separation of thorium from rare earths with a hydrogen-bonded oligoaramide extractant in highly acidic media. Journal of Radioanalytical and Nuclear Chemistry, 2015, 305, 543-549. | 1.5 | 4 |
| 51 | Luminescence investigation on Eu-pillar[5]arene-based diglycolamide (DGA) complexes: Nature of the complex, Judd-Ofelt calculations and effect of ligand structure. Journal of Luminescence, 2015, 158, 356-364. | 3.1 | 31 |
| 52 | Pillar[5]arenes bearing phosphine oxide pendants as Hg ²⁺ selective receptors. Talanta, 2014, 125, 322-328. | 5.5 | 33 |
| 53 | Pillar[5]arene-based diglycolamides for highly efficient separation of americium(ⁱⁱⁱ) and europium(ⁱⁱⁱ). Dalton Transactions, 2014, 43, 3835-3838. | 3.3 | 110 |
| 54 | An insight into the extraction of transition metal ions by picolinamides associated with intramolecular hydrogen bonding and rotational isomerization. RSC Advances, 2014, 4, 29702-29714. | 3.6 | 21 |

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|----|--|------|-----------|
| 55 | Convergent heteroditopic cyclo[6]aramides as macrocyclic ion-pair receptors for constructing [2]pseudorotaxanes. <i>Chemical Communications</i> , 2014, 50, 8024. | 4.1 | 34 |
| 56 | Two-Component Supramolecular Gels Derived from Amphiphilic Shape-Persistent Cyclo[6]aramides for Specific Recognition of Native Arginine. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 11834-11839. | 13.8 | 70 |
| 57 | Crescent aromatic oligothioamides as highly selective receptors for copper(II) ion. <i>Science China Chemistry</i> , 2014, 57, 1246-1256. | 8.2 | 7 |
| 58 | CMPO-calix[4]arenes with spacer containing intramolecular hydrogen bonding: Effect of local rigidification on solvent extraction toward f-block elements. <i>Journal of Hazardous Materials</i> , 2014, 264, 211-218. | 12.4 | 25 |
| 59 | Pillar[5]arene-based phosphine oxides: novel ionophores for solvent extraction separation of f-block elements from acidic media. <i>RSC Advances</i> , 2013, 3, 12376. | 3.6 | 101 |
| 60 | Nonaggregational Shape-Persistent Cyclo[6]aramide and Its Macrocyclic Effect toward Binding Secondary Ammonium Salts in Moderately Polar Media. <i>Organic Letters</i> , 2013, 15, 4670-4673. | 4.6 | 35 |
| 61 | Single-molecule observation of the K ⁺ -induced switching of valinomycin within a template network. <i>Chemical Communications</i> , 2013, 49, 9021. | 4.1 | 31 |
| 62 | Solvent extraction of thorium(^{IV}) and rare earth elements with novel polyaramide extractant containing preorganized chelating groups. <i>Journal of Chemical Technology and Biotechnology</i> , 2013, 88, 1930-1936. | 3.2 | 28 |
| 63 | Highly Selective Fluorescent Recognition towards Th ⁴⁺ Based on Coumarin-derivatized Crescent Aromatic Oligoamide. <i>Chinese Journal of Chemistry</i> , 2013, 31, 689-694. | 4.9 | 32 |
| 64 | Direct Perfluorination of an Acid-Sensitive Glycol Ether as Precursor for Perfluoro(2-(methoxymethoxy)ethyl Vinyl Ether). <i>Synthetic Communications</i> , 2012, 42, 959-966. | 2.1 | 3 |
| 65 | Shape-persistent macrocycles: efficient extraction towards lanthanide and actinide elements. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2012, 72, 367-373. | 1.6 | 33 |
| 66 | Synthesis of crescent aromatic oligoamides with preorganized chelating groups and their extraction towards transition metal ions. <i>Journal of Hazardous Materials</i> , 2012, 217-218, 171-176. | 12.4 | 16 |
| 67 | Strong Aggregation and Directional Assembly of Aromatic Oligoamide Macrocycles. <i>Journal of the American Chemical Society</i> , 2011, 133, 18590-18593. | 13.7 | 94 |
| 68 | Synthesis of thymidine derivatives bearing aromatic oligoamides with rigidified backbone. <i>Heterocyclic Communications</i> , 2010, 16, . | 1.2 | 0 |
| 69 | Efficient Kinetic Macrocyclization. <i>Journal of the American Chemical Society</i> , 2009, 131, 2629-2637. | 13.7 | 120 |
| 70 | Aromatic oligoamide macrocycles from the bimolecular coupling of folded oligomeric precursors. <i>New Journal of Chemistry</i> , 2009, 33, 729. | 2.8 | 40 |
| 71 | Highly Conducting Transmembrane Pores Formed by Aromatic Oligoamide Macrocycles. <i>Journal of the American Chemical Society</i> , 2008, 130, 15784-15785. | 13.7 | 145 |
| 72 | Shape-persistent macrocyclic aromatic tetrasulfonamides: Molecules with nanosized cavities and their nanotubular assemblies in solid state. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 10850-10855. | 7.1 | 47 |

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|----|---|------|-----------|
| 73 | Cyclic aromatic oligoamides as highly selective receptors for the guanidinium ion. Chemical Communications, 2005, , 4720. | 4.1 | 73 |
| 74 | Synthesis of Crescent Aromatic Oligoamides. Journal of Organic Chemistry, 2005, 70, 10660-10669. | 3.2 | 51 |
| 75 | Macrocyclic aromatic tetrasulfonamides with a stable cone conformation. Chemical Communications, 2005, , 3788. | 4.1 | 24 |
| 76 | Highly Efficient, One-Step Macrocyclizations Assisted by the Folding and Preorganization of Precursor Oligomers. Journal of the American Chemical Society, 2004, 126, 11120-11121. | 13.7 | 148 |
| 77 | Helical Aromatic Oligoamides: Reliable, Readily Predictable Folding from the Combination of Rigidified Structural Motifs. Journal of the American Chemical Society, 2004, 126, 16528-16537. | 13.7 | 117 |
| 78 | Title is missing!. Die Makromolekulare Chemie, 1993, 194, 1847-1862. | 1.1 | 3 |