

Lixi Chen

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	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
2	Multivalent cooperativity induced by self-assembly for f-element separation. <i>Communications Chemistry</i> , 2021, 4, .	4.5	1
3	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
4	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
5	Light-controlled switchable complexation by a non-photoresponsive hydrogen-bonded amide macrocycle. <i>Organic Chemistry Frontiers</i> , 2020, 7, 846-855.	4.5	8
6	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
7	A Dynamic Hydrogen-Bonded Azo-Macrocyclic Host for Precisely Photo-Controlled Molecular Encapsulation and Release. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 12519-12523.	13.8	44
8	A Dynamic Hydrogen-Bonded Azo-Macrocyclic Host for Precisely Photo-Controlled Molecular Encapsulation and Release. <i>Angewandte Chemie</i> , 2019, 131, 12649-12653.	2.0	18
9	Pillararenes as macrocyclic hosts: a rising star in metal ion separation. <i>Chemical Communications</i> , 2019, 55, 7883-7898.	4.1	95
10	Convergent Ditungstic Receptors Enhance Anion Binding upon Alkali Metal Complexation for Catalyzing the Ritter Reaction. <i>Organic Letters</i> , 2019, 21, 652-655.	4.6	23
11	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
12	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
13	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
14	Reversibly Tunable Lower Critical Solution Temperature Behavior Induced by H-Bonded Aromatic Amide Macrocyclic Host-Guest Complexation. <i>Organic Letters</i> , 2017, 19, 18-21.	4.6	19
15	Macrocyclic shape-persistence of cyclo[6]aramide results in enhanced multipoint recognition for the highly efficient template-directed synthesis of rotaxanes. <i>Chemical Science</i> , 2017, 8, 2091-2100.	7.4	32
16	Highly efficient extraction of actinides with pillar[5]arene-derived diglycolamides in ionic liquids via a unique mechanism involving competitive host-guest interactions. <i>Dalton Transactions</i> , 2016, 45, 19299-19310.	3.3	49