

Chao Huang

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,075
citations

623734

14
h-index

552781

26
g-index

28
all docs

28
docs citations

28
times ranked

1285
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Mechanistic Insight into Hydrogen-Bond-Controlled Crystallinity and Adsorption Property of Covalent Organic Frameworks from Flexible Building Blocks. <i>Chemistry of Materials</i> , 2018, 30, 2299-2308. | 6.7 | 208 |
| 2 | Preparation of graphene oxide-manganese dioxide for highly efficient adsorption and separation of Th(IV)/U(VI). <i>Journal of Hazardous Materials</i> , 2016, 309, 107-115. | 12.4 | 170 |
| 3 | A novel benzimidazole-functionalized 2-D COF material: Synthesis and application as a selective solid-phase extractant for separation of uranium. <i>Journal of Colloid and Interface Science</i> , 2015, 437, 211-218. | 9.4 | 153 |
| 4 | Osteogenic activity and antibacterial effect of porous titanium modified with metal-organic framework films. <i>Journal of Biomedical Materials Research - Part A</i> , 2017, 105, 834-846. | 4.0 | 102 |
| 5 | Enhanced Osseointegration of Porous Titanium Modified with Zeolitic Imidazolate Framework-8. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 25171-25183. | 8.0 | 72 |
| 6 | Efficient capture of Tc/Re(VII, IV) by a viologen-based organic polymer containing tetraaza macrocycles. <i>Chemical Engineering Journal</i> , 2020, 380, 122581. | 12.7 | 64 |
| 7 | Micro or nano: Evaluation of biosafety and biopotency of magnesium metal organic framework-74 with different particle sizes. <i>Nano Research</i> , 2020, 13, 511-526. | 10.4 | 45 |
| 8 | Introduction of benzotriazole into graphene oxide for highly selective coadsorption of An and Ln: Facile synthesis and theoretical study. <i>Chemical Engineering Journal</i> , 2018, 344, 594-603. | 12.7 | 34 |
| 9 | Selective Extraction of Americium(III) over Europium(III) with the Pyridylpyrazole Based Tetradentate Ligands: Experimental and Theoretical Study. <i>Inorganic Chemistry</i> , 2015, 54, 10648-10655. | 4.0 | 30 |
| 10 | Rapid iodine adsorption from vapor phase and solution by a nitrogen-rich covalent piperazine-triazine-based polymer. <i>New Journal of Chemistry</i> , 2021, 45, 5363-5370. | 2.8 | 24 |
| 11 | Benzotriazole decorated graphene oxide for efficient removal of U(VI). <i>Environmental Pollution</i> , 2019, 253, 221-230. | 7.5 | 23 |
| 12 | A novel method to fabricate organic-free superhydrophobic surface on titanium substrates by removal of surface hydroxyl groups. <i>Applied Surface Science</i> , 2019, 479, 1089-1097. | 6.1 | 23 |
| 13 | Targeted synthesis of a high-stability cationic porous aromatic framework for highly efficient remediation of $^{99}\text{TcO}_4^-$. <i>Chemical Engineering Journal</i> , 2022, 435, 134785. | 12.7 | 21 |
| 14 | New cyclen derivative ligand for thorium(IV) separation by solvent extraction. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2013, 295, 125-133. | 1.5 | 16 |
| 15 | The novel extractants, bis-triamides: Synthesis and selective extraction of thorium(IV) from nitric acid media. <i>Separation and Purification Technology</i> , 2017, 188, 485-492. | 7.9 | 14 |
| 16 | Dimethylxalylglycine improves angiogenesis of ZIF-8-coated implant. <i>Journal of Biomaterials Applications</i> , 2019, 34, 396-407. | 2.4 | 14 |
| 17 | Visible colorimetric fluoride and hydroxide sensing by asymmetric tris-urea receptors: combined experimental and theoretical studies. <i>RSC Advances</i> , 2018, 8, 39394-39407. | 3.6 | 12 |
| 18 | Complexation and Separation of Trivalent Actinides and Lanthanides by a Novel DGA Derived from Macrocyclic Crown Ether: Synthesis, Extraction, and Spectroscopic and Density Functional Theory Studies. <i>ACS Omega</i> , 2021, 6, 2156-2166. | 3.5 | 11 |

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|----|---|------|-----------|
| 19 | Selective Extraction and Complexation Studies for Thorium(IV) with Bis-triamide Extractants: Synthesis, Solvent Extraction, EXAFS, and DFT. <i>Inorganic Chemistry</i> , 2021, 60, 14212-14220. | 4.0 | 10 |
| 20 | Simultaneous total and speciation analysis of rhenium by capillary electrophoresis-inductively coupled plasma mass spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2021, 180, 106211. | 2.9 | 7 |
| 21 | The fate of rhenium in polyaminocarboxy solution: Hourglass crystal and its speciation study. <i>Journal of Hazardous Materials</i> , 2019, 375, 78-85. | 12.4 | 6 |
| 22 | Crystal structures of the 2:2 complex of 1,1'-bis(1,2-phenylene)bis(3-m-tolylurea) and tetrabutylammonium chloride or bromide. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2017, 73, 1316-1319. | 0.5 | 4 |
| 23 | Macrocyclic bis-urea receptor: Synthesis, crystal structure and phosphate binding properties. <i>Tetrahedron Letters</i> , 2019, 60, 729-733. | 1.4 | 4 |
| 24 | Anion binding and fluoride ion induced conformational changes in bisurea receptors. <i>New Journal of Chemistry</i> , 2020, 44, 2033-2045. | 2.8 | 3 |
| 25 | Cationic covalent organic polymers based on guanidine with higher positive potential for selective sorption of ReO_4^- : Synthesis and DFT calculation. <i>Surfaces and Interfaces</i> , 2022, 29, 101788. | 3.0 | 3 |
| 26 | Hydrothermal synthesis, crystal structure and properties of a two-dimensional uranyl coordination polymer based on a flexible zwitterionic ligand. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2018, 74, 366-371. | 0.5 | 2 |
| 27 | The crystal structure of oxonium chlorido-ethylenediaminetetraacetate(IV) hydrate, $\text{C}_{10}\text{H}_{17}\text{ClN}_2\text{O}_{10}\text{Sn}$. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2017, 232, 941-942. | 0.3 | 0 |
| 28 | Crystal structure of a host-guest complex of the tris-urea receptor, 3-(4-nitrophenyl)-1,1-bis{2-[3-(4-nitrophenyl)ureido]ethyl}urea, that encapsulates hydrogen-bonded chains of dihydrogen phosphate anions with separate tetra-n-butylammonium counter-ions. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2019, 75, 319-323. | 0.5 | 0 |