

Chao Huang

List of Publications by Year in descending order

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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	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
2	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
3	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
4	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
5	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
6	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
7	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
8	Anion binding and fluoride ion induced conformational changes in bisurea receptors. <i>New Journal of Chemistry</i> , 2020, 44, 2033-2045.	2.8	3
9	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
10	Benzotriazole decorated graphene oxide for efficient removal of U(VI). <i>Environmental Pollution</i> , 2019, 253, 221-230.	7.5	23
11	Dimethyloxalylglycine improves angiogenesis of ZIF-8-coated implant. <i>Journal of Biomaterials Applications</i> , 2019, 34, 396-407.	2.4	14
12	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
13	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
14	Macrocyclic bis-urea receptor: Synthesis, crystal structure and phosphate binding properties. <i>Tetrahedron Letters</i> , 2019, 60, 729-733.	1.4	4
15	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
16	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
17	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
18	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

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19	Visible colorimetric fluoride and hydroxide sensing by asymmetric tris-urea receptors: combined experimental and theoretical studies. RSC Advances, 2018, 8, 39394-39407.	3.6	12
20	The crystal structure of oxonium chlorido-ethylenediaminetetraacetate(IV) hydrate, C ₁₀ H ₁₇ ClN ₂ O ₁₀ Sn. Zeitschrift Fur Kristallographie - New Crystal Structures, 2017, 232, 941-942.	0.3	0
21	Enhanced Osseointegration of Porous Titanium Modified with Zeolitic Imidazolate Framework-8. ACS Applied Materials & Interfaces, 2017, 9, 25171-25183.	8.0	72
22	The novel extractants, bis-triamides: Synthesis and selective extraction of thorium(IV) from nitric acid media. Separation and Purification Technology, 2017, 188, 485-492.	7.9	14
23	Osteogenic activity and antibacterial effect of porous titanium modified with metal-organic framework films. Journal of Biomedical Materials Research - Part A, 2017, 105, 834-846.	4.0	102
24	Crystal structures of the 2:2 complex of 1,1'-bis(1,2-phenylene)bis(3-m-tolylurea) and tetrabutylammonium chloride or bromide. Acta Crystallographica Section E: Crystallographic Communications, 2017, 73, 1316-1319.	0.5	4
25	Preparation of graphene oxide-manganese dioxide for highly efficient adsorption and separation of Th(IV)/U(VI). Journal of Hazardous Materials, 2016, 309, 107-115.	12.4	170
26	Selective Extraction of Americium(III) over Europium(III) with the Pyridylpyrazole Based Tetradentate Ligands: Experimental and Theoretical Study. Inorganic Chemistry, 2015, 54, 10648-10655.	4.0	30
27	A novel benzimidazole-functionalized 2-D COF material: Synthesis and application as a selective solid-phase extractant for separation of uranium. Journal of Colloid and Interface Science, 2015, 437, 211-218.	9.4	153
28	New cyclen derivative ligand for thorium(IV) separation by solvent extraction. Journal of Radioanalytical and Nuclear Chemistry, 2013, 295, 125-133.	1.5	16