

Chu-Ting Yang

List of Publications by Year in descending order

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papers

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citations

394421

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48
all docs

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docs citations

48
times ranked

1833
citing authors

#	ARTICLE	IF	CITATIONS
1	The self-assembled AgCd nanoclusters: A novel plutonium separating material. <i>Chemical Engineering Journal</i> , 2022, 431, 134169.	12.7	1
2	Separation of minor actinides from highly acidic solutions using diglycolamide modified mesoporous silica synthesized via a novel "ring-opening click" reaction. <i>Chemical Engineering Journal</i> , 2022, 436, 135213.	12.7	7
3	Automated method for concurrent determination of thorium (²³⁰ Th, ²³² Th) and uranium (²³⁴ U, ²³⁵ U, ²³⁸ U) isotopes in water matrices with ICP-MS/MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2022, 37, 919-928.	3.0	7
4	Radioanalytical chemistry for nuclear forensics in China: Progress and future perspective. <i>Chinese Chemical Letters</i> , 2022, 33, 3384-3394.	9.0	6
5	A simple method for Ce-Nd separation using nano-NaBiO ₃ : Application in the isotopic analysis of U, Sr, Pb, Nd, and Hf in uranium ores. <i>Talanta</i> , 2022, 245, 123443.	5.5	1
6	Eliminating Mo isobaric interference using O ₂ as reaction gas for Tc measurement by triple quadrupole ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2022, 37, 1174-1178.	3.0	3
7	Highly selective extraction of uranium from wastewater using amine-bridged diacetamide-functionalized silica. <i>Journal of Hazardous Materials</i> , 2022, 435, 129022.	12.4	15
8	Determination of trace rare earth elements in uranium ore samples by triple quadrupole inductively coupled plasma mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2021, 36, 2144-2152.	3.0	6
9	Exploring the ability of triple quadrupole inductively coupled plasma mass spectrometry for the determination of Pu isotopes in environmental samples. <i>Journal of Analytical Atomic Spectrometry</i> , 2021, 36, 2330-2337.	3.0	13
10	Metal phosphonate sorbents: Enhancement of actinide sorption performance by gamma irradiation. <i>Chemical Engineering Journal</i> , 2021, 430, 132753.	12.7	4
11	Pore Size Control <i>via</i> Multiple-Site Alkylation to Homogenize Sub-Nanoporous Covalent Organic Frameworks for Efficient Sieving of Xenon/Krypton. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 1127-1134.	8.0	22
12	Novel polyazamacrocyclic receptor impregnated macroporous polymeric resins for highly efficient capture of palladium from nitric acid media. <i>Separation and Purification Technology</i> , 2020, 233, 115953.	7.9	19
13	Selective separation of thorium from rare earths and uranium in acidic solutions by phosphorodiamidate-functionalized silica. <i>Chemical Engineering Journal</i> , 2020, 392, 123717.	12.7	31
14	Pore Size Reduction by Methyl Function in Aluminum-Based Metal-Organic Frameworks for Xenon/Krypton Separation. <i>Crystal Growth and Design</i> , 2020, 20, 8039-8046.	3.0	21
15	Construction of covalent organic framework with unique double-ring pore for size-matching adsorption of uranium. <i>Nanoscale</i> , 2020, 12, 24044-24053.	5.6	47
16	Density functional theory investigations on the coordination of Pa(v) with N,N-dialkylamide. <i>New Journal of Chemistry</i> , 2020, 44, 9477-9484.	2.8	1
17	Cerium separation with NaBiO ₃ nanoflower material <i>via</i> an oxidation adsorption strategy. <i>Journal of Materials Chemistry A</i> , 2020, 8, 7907-7913.	10.3	4
18	Efficient capture of actinides from strong acidic solution by hafnium phosphonate frameworks with excellent acid resistance and radiolytic stability. <i>Chemical Engineering Journal</i> , 2019, 355, 159-169.	12.7	33

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19	Binding affinity of pyridines with Am ^{III} /Cm ^{III} elucidated by density functional theory calculations. Dalton Transactions, 2019, 48, 1613-1623.	3.3	5
20	The preparation of organophosphorus ligand-modified SBA-15 for effective adsorption of Congo red and Reactive red 2. RSC Advances, 2019, 9, 13476-13485.	3.6	23
21	Density Functional Theory Investigations on the Mechanism of Formation of Pa(V) Ion in Hydrous Solutions. Molecules, 2019, 24, 1169.	3.8	1
22	The Hydrolytic Stability and Degradation Mechanism of a Hierarchically Porous Metal Alkylphosphonate Framework. Nanomaterials, 2018, 8, 166.	4.1	4
23	Pd-Catalyzed Vinylation of Aryl Halides with Inexpensive Organosilicon Reagents Under Mild Conditions. Chemistry - A European Journal, 2018, 24, 10324-10328.	3.3	8
24	Stereocontrolled C(sp ³)–P bond formation with non-activated alkyl halides and tosylates. RSC Advances, 2017, 7, 24652-24656.	3.6	6
25	An initial demonstration of hierarchically porous niobium alkylphosphonates coordination polymers as potent radioanalytical separation materials. Journal of Chromatography A, 2017, 1504, 35-45.	3.7	10
26	The enhanced uranyl–amidoxime binding by the electron-donating substituents. RSC Advances, 2017, 7, 18639-18642.	3.6	9
27	The coordination of amidoxime ligands with uranyl in the gas phase: a mass spectrometry and DFT study. Dalton Transactions, 2016, 45, 16413-16421.	3.3	10
28	A category of hierarchically porous tin (IV) phosphonate backbone with the implication for radioanalytical separation. Chemical Engineering Journal, 2016, 302, 368-376.	12.7	22
29	Density functional theory investigations on the binding modes of amidoximes with uranyl ions. Dalton Transactions, 2016, 45, 3120-3129.	3.3	16
30	Fluorescent recognition of uranyl ions by a phosphorylated cyclic peptide. Chemical Communications, 2015, 51, 11769-11772.	4.1	49
31	One-pot synthesis of amidoxime via Pd-catalyzed cyanation and amidoximation. Organic and Biomolecular Chemistry, 2015, 13, 2541-2545.	2.8	17
32	Cu-Catalyzed cross-coupling reactions of epoxides with organoboron compounds. Chemical Communications, 2015, 51, 2388-2391.	4.1	36
33	Copper-Catalyzed/Promoted Cross-coupling of <i>gem</i> -Diborylalkanes with Nonactivated Primary Alkyl Halides: An Alternative Route to Alkylboronic Esters. Organic Letters, 2014, 16, 6342-6345.	4.6	147
34	Fabrication of a Li ₄ SiO ₄ –Pb tritium breeding material. Fusion Engineering and Design, 2014, 89, 3046-3053.	1.9	18
35	Copper-Catalyzed Reductive Cross-Coupling of Nonactivated Alkyl Tosylates and Mesylates with Alkyl and Aryl Bromides. Chemistry - A European Journal, 2014, 20, 15334-15338.	3.3	95
36	Promising density functional theory methods for predicting the structures of uranyl complexes. RSC Advances, 2014, 4, 50261-50270.	3.6	6

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37	Investigating the performance of a Rh metal catalyst in hydrogen-deuterium exchange reactions in methane for application in low-temperature membrane separators. <i>Fusion Engineering and Design</i> , 2014, 89, 2666-2671.	1.9	0
38	Efficient Synthesis of 1,5-Disubstituted Carbohydrazones Using K ₂ CO ₃ As a Carbonyl Donor. <i>Organic Letters</i> , 2014, 16, 2398-2401.	4.6	7
39	Copper-Catalyzed Cross-Coupling of Nonactivated Secondary Alkyl Halides and Tosylates with Secondary Alkyl Grignard Reagents. <i>Journal of the American Chemical Society</i> , 2012, 134, 11124-11127.	13.7	178
40	Alkylboronic Esters from Palladium- and Nickel-Catalyzed Borylation of Primary and Secondary Alkyl Bromides. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 1685-1691.	4.3	101
41	Alkylboronic Esters from Copper-Catalyzed Borylation of Primary and Secondary Alkyl Halides and Pseudohalides. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 528-532.	13.8	360
42	Cu-Catalyzed Carbon-Heteroatom Coupling Reactions under Mild Conditions Promoted by Resin-Bound Organic Ionic Bases. <i>Journal of Organic Chemistry</i> , 2011, 76, 800-810.	3.2	73
43	Copper-Catalyzed Cross-Coupling Reaction of Organoboron Compounds with Primary Alkyl Halides and Pseudohalides. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 3904-3907.	13.8	194
44	Room-Temperature Copper-Catalyzed Carbon-Nitrogen Coupling of Aryl Iodides and Bromides Promoted by Organic Ionic Bases. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 7398-7401.	13.8	165
45	Pd-catalyzed aerobic oxidative coupling of anilides with olefins through regioselective C-H bond activation. <i>Tetrahedron Letters</i> , 2007, 48, 5449-5453.	1.4	96