

Xiaolu Yin

List of Publications by Year in descending order

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567281

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#	ARTICLE	IF	CITATIONS
1	The Effect of Exposed Facets of Ceria to the Nickel Species in Nickel-Ceria Catalysts and Their Performance in a NO + CO Reaction. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 26839-26849.	8.0	94
2	Mechanism of gold (III) extraction using a novel ionic liquid-based aqueous two phase system without additional extractants. <i>Separation and Purification Technology</i> , 2015, 154, 123-127.	7.9	55
3	Extraction of gold(III) from hydrochloric acid solutions by CTAB/n-heptane/iso-amyl alcohol/Na ₂ SO ₃ microemulsion. <i>Journal of Hazardous Materials</i> , 2011, 186, 2166-2170.	12.4	54
4	Extraction and Stripping of Platinum from Hydrochloric Acid Medium by Mixed Imidazolium Ionic Liquids. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 705-711.	3.7	50
5	Au(III), Pd(II) and Pt(IV) adsorption on amino-functionalized magnetic sorbents: Behaviors and cycling separation routines. <i>Chemical Engineering Journal</i> , 2020, 381, 122627.	12.7	46
6	Microemulsion Extraction of Gold(III) from Hydrochloric Acid Medium Using Ionic Liquid as Surfactant and Extractant. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 16438-16443.	3.7	43
7	Ionic-Liquid-Type Imidazolium Gemini Surfactant Based Water-in-Oil Microemulsion for Extraction of Gold from Hydrochloric Acid Medium. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 2790-2797.	3.7	43
8	Recovery of gold from hydrochloric medium by deep eutectic solvents based on quaternary ammonium salts. <i>Hydrometallurgy</i> , 2019, 188, 264-271.	4.3	35
9	Extraction mechanism, behavior and stripping of Pd(II) by pyridinium-based ionic liquid from hydrochloric acid medium. <i>Hydrometallurgy</i> , 2014, 147-148, 164-169.	4.3	33
10	Solone behavior towards palladium(II) extraction with hydrophobic ionic liquids and mechanism studies. <i>RSC Advances</i> , 2015, 5, 63087-63094.	3.6	24
11	Extraction behaviour and mechanism of Pt(IV) and Pd(II) by liquid-liquid extraction with an ionic liquid [HBBIm]Br. <i>Dalton Transactions</i> , 2017, 46, 7210-7218.	3.3	24
12	The application of ionic liquid-based system in the extraction of palladium: synthesis, characterization and computer calculation of palladium complexes. <i>RSC Advances</i> , 2014, 4, 57009-57015.	3.6	23
13	Extraction of palladium (II) by a silicone ionic liquid-based microemulsion system from chloride medium. <i>Separation and Purification Technology</i> , 2016, 169, 289-295.	7.9	22
14	Behavior and mechanism investigation of separating Pt and Ir by liquid-liquid extraction using a mixed [C ₆ bet]Br/[C ₆ mim][NTF ₂] system. <i>New Journal of Chemistry</i> , 2017, 41, 8985-8992.	2.8	17
15	Recovery of Ru(III) from hydrochloric acid by cloud point extraction with 2-Mercaptobenzothiazole-functionalized ionic liquid. <i>Chemical Engineering Journal</i> , 2017, 308, 370-376.	12.7	17
16	Solvent extraction of palladium(II) with newly synthesized asymmetric branched alkyl sulfoxides from hydrochloric acid. <i>RSC Advances</i> , 2015, 5, 66376-66383.	3.6	15
17	Effect of spacer length of ionic liquid-type imidazolium gemini surfactant-based water-in-oil microemulsion for the extraction of gold from hydrochloric acid. <i>New Journal of Chemistry</i> , 2017, 41, 6180-6186.	2.8	15
18	Pretreatment Effect on Ceria-Supported Gold Nanocatalysts for CO Oxidation: Importance of the Gold-Ceria Interaction. <i>Energy Technology</i> , 2018, 6, 379-390.	3.8	14

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19	A 2-mercaptobenzothiazole-functionalized ionic liquid for selective extraction of Pd(II) from a hydrochloric acid medium. RSC Advances, 2016, 6, 63006-63012.	3.6	13
20	High efficiency gold extraction through photo-luminescent vesicles self-aggregated by sodium dodecyl sulfate and carbon quantum dots with a visual fluorescent method for Au(III) detection. Separation and Purification Technology, 2019, 222, 60-67.	7.9	10
21	ESP ^{ALIE} Analysis as a Theoretical Tool for Identifying the Coordination Atoms of Possible Multisite Extractants: Validation and Prediction. ACS Sustainable Chemistry and Engineering, 2020, 8, 14353-14364.	6.7	7
22	Behavior, mechanism, and equilibrium studies of rhodium(I) extraction from hydrochloric acid with HMIImT. New Journal of Chemistry, 2017, 41, 10054-10061.	2.8	6
23	Equilibrium, thermodynamics and kinetics study on Au(III) extraction by gemini surfactant with different spacer length. Separation Science and Technology, 2019, 54, 985-995.	2.5	6
24	Determination of long-chained alkylimidazolium ionic liquids based on the hypochromic effect. Analytical Methods, 2014, 6, 3758.	2.7	5
25	Behavior, mechanism and equilibrium studies of Au(III) extraction with an ionic liquid [C ₄ -6-C ₄ Blm]Br ₂ . Dalton Transactions, 2020, 49, 504-510.	3.3	5
26	Crystal plane dependent dopant migration that boosts catalytic oxidation. Catalysis Science and Technology, 2018, 8, 6084-6090.	4.1	3
27	Removal of platinum (IV) from hydrochloric acid medium with OMImT: Theoretical and experimental evidences for a neutral complexing mechanism. Journal of Molecular Liquids, 2019, 293, 111529.	4.9	2