

Zhongqi Ren

List of Publications by Year in descending order

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Version: 2024-02-01

53
papers

1,532
citations

279798

23
h-index

315739

38
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53
all docs

53
docs citations

53
times ranked

1471
citing authors

#	ARTICLE	IF	CITATIONS
1	Adsorption of rubidium ion from aqueous solution by surface ion imprinted materials. Chinese Journal of Chemical Engineering, 2023, 54, 1-10.	3.5	0
2	A simple and feasible separation process of toluene from n-heptane with imidazolium-based switchable solvents. Fuel, 2022, 319, 123764.	6.4	6
3	Application of silver ionic liquid in the separation of olefin and alkane. Journal of Chemical Technology and Biotechnology, 2022, 97, 1207-1214.	3.2	8
4	Preparation and application of green calcium-based catalyst for advanced treatment of salty wastewater with ozone. Journal of Cleaner Production, 2022, 362, 132464.	9.3	3
5	Facile preparation of a rubidium ion-imprinted polymer by bulk polymerization for highly efficient separation of rubidium ions from aqueous solution. New Journal of Chemistry, 2021, 45, 9582-9590.	2.8	11
6	Study on the solubilization of telmisartan by forming cocrystals with aromatic carboxylic acids. CrystEngComm, 2021, 23, 4871-4878.	2.6	5
7	Application of ionic liquid-polymer gel membrane in toluene/n-heptane separation. Separation and Purification Technology, 2021, 266, 118596.	7.9	12
8	Highly selective extraction of lithium ions from salt lake brines with sodium tetraphenylborate as co-extractant. Separation and Purification Technology, 2021, 269, 118756.	7.9	29
9	Facile preparation of molecular-imprinted polymers for selective extraction of theophylline molecular from aqueous solution. Journal of Molecular Structure, 2021, 1243, 130891.	3.6	4
10	Preparation of highly efficient ion-imprinted polymers with Fe ₃ O ₄ nanoparticles as carrier for removal of Cr(VI) from aqueous solution. Science of the Total Environment, 2020, 699, 134334.	8.0	47
11	Recovery of lithium from salt-lake brines using solvent extraction with TBP as extractant and FeCl ₃ as co-extraction agent. Hydrometallurgy, 2020, 191, 105244.	4.3	48
12	Preparation and Application of CO ₂ -Triggered Switchable Solvents in Separation of Toluene/n-Heptane. Langmuir, 2020, 36, 510-519.	3.5	3
13	Preparation of Surface Ion-Imprinted Materials Based on Modified Chitosan for Highly Selective Recognition and Adsorption of Nickel Ions in Aqueous Solutions. Industrial & Engineering Chemistry Research, 2020, 59, 6033-6042.	3.7	13
14	Molecular simulation studies on the design of energetic ammonium dinitramide co-crystals for tuning hygroscopicity. CrystEngComm, 2020, 22, 5237-5244.	2.6	16
15	One-pot oxidative desulfurization of fuels using dual-acidic deep eutectic solvents. Fuel, 2020, 265, 116967.	6.4	44
16	Study on Modification and Desulfurization Performance of a Molybdenum-Based Catalyst. Energy & Fuels, 2019, 33, 8503-8510.	5.1	17
17	Chiral co-selector induced chirality switching in the enantioseparation of ofloxacin by forming a co-crystal. New Journal of Chemistry, 2019, 43, 15048-15051.	2.8	7
18	Investigating the solubilization effect of oxcarbazepine by forming cocrystals. CrystEngComm, 2019, 21, 4718-4729.	2.6	8

#	ARTICLE	IF	CITATIONS
19	Selective Extraction of Lithium Ion from Aqueous Solution with Sodium Phosphomolybdate As a Coextraction Agent. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 8885-8892.	6.7	29
20	Recovery of Butanol from ABE Fermentation Broth with Hydrophobic Functionalized Ionic Liquids as Extractants. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 9318-9329.	6.7	16
21	Molecular Simulation Studies on the Growth Process and Properties of Ammonium Dinitramide Crystal. <i>Journal of Physical Chemistry C</i> , 2019, 123, 10940-10948.	3.1	24
22	Extraction of Rb(I) Ions from Aqueous Solution Using Novel Imprinting Materials. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 5269-5279.	3.7	13
23	Facile Preparation of Novel Ion-Imprinted Polymers for Selective Extraction of Br(I) Ions from Aqueous Solution. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 6670-6678.	3.7	15
24	Deep Desulfurization of Fuels Using Imidazole Anion-Based Ionic Liquids. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 1890-1900.	6.7	52
25	Recovery of Lithium Ions from Salt Lake Brine with a High Magnesium/Lithium Ratio Using Heteropolyacid Ionic Liquid. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 3062-3072.	6.7	76
26	Facile preparation of a nano-imprinted polymer on magnetite nanoparticles for the rapid separation of lead ions from aqueous solution. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 12870-12878.	2.8	24
27	Preparation and adsorption characteristics of an ion-imprinted polymer for fast removal of Ni(II) ions from aqueous solution. <i>Journal of Hazardous Materials</i> , 2018, 341, 355-364.	12.4	114
28	Effective removal of ammonia from wastewater using hollow fiber renewal liquid membrane. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2018, 13, e2245.	1.5	8
29	Extractive Desulfurization of Model Oil with Protic Ionic Liquids. <i>Energy & Fuels</i> , 2018, 32, 9172-9181.	5.1	30
30	Green and Efficient Resolution of Racemic Ofloxacin Using Tartaric Acid Derivatives via Forming Cocrystal in Aqueous Solution. <i>Crystal Growth and Design</i> , 2018, 18, 5008-5020.	3.0	19
31	Fast and efficient removal of copper using sandwich-like graphene oxide composite imprinted materials. <i>Chemical Engineering Journal</i> , 2017, 326, 141-150.	12.7	40
32	Selective Separation of Benzene/ <i>n</i> -Hexane with Ester-Functionalized Ionic Liquids. <i>Energy & Fuels</i> , 2017, 31, 6598-6606.	5.1	13
33	Facile Preparation of Ion-Imprinted Chitosan Microspheres Enwrapping Fe ₃ O ₄ and Graphene Oxide by Inverse Suspension Cross-Linking for Highly Selective Removal of Copper(II). <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 7401-7409.	6.7	60
34	Green preparation and selective permeation of d-Tryptophan imprinted composite membrane for racemic tryptophan. <i>Chemical Engineering Journal</i> , 2017, 310, 63-71.	12.7	38
35	Green preparation of d-tryptophan imprinted self-supported membrane for ultrahigh enantioseparation of racemic tryptophan. <i>RSC Advances</i> , 2016, 6, 109992-110000.	3.6	15
36	Facilitated Separation of CO ₂ by Liquid Membranes and Composite Membranes with Task-Specific Ionic Liquids. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 12616-12631.	3.7	22

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37	Deep oxidative extractive desulfurization of fuels using benzyl-based ionic liquid. <i>AIChE Journal</i> , 2016, 62, 4023-4034.	3.6	35
38	Benzyl- and Vinyl-Functionalized Imidazoium Ionic Liquids for Selective Separating Aromatic Hydrocarbons from Alkanes. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 747-756.	3.7	37
39	Selective Separation of Aromatics from Paraffins and Cycloalkanes Using Morpholinium-Based Ionic Liquid. <i>Journal of Chemical & Engineering Data</i> , 2015, 60, 1634-1641.	1.9	21
40	Preparation and adsorption characteristics of an imprinted polymer for selective removal of Cr(VI) ions from aqueous solutions. <i>Journal of Materials Chemistry A</i> , 2014, 2, 17952-17961.	10.3	99
41	Fast Removal of Cr(VI) from Aqueous Solution Using Cr(VI)-Imprinted Polymer Particles. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 4434-4441.	3.7	59
42	Lipase immobilized catalytically active membrane for synthesis of lauryl stearate in a pervaporation membrane reactor. <i>Bioresource Technology</i> , 2014, 172, 16-21.	9.6	37
43	Residence Time Distribution Analysis of a Hollow-Fiber Contactor for Membrane Gas Absorption and Vibration-Induced Mass Transfer Intensification. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 8640-8650.	3.7	6
44	Extraction separation of Cu(II) and Co(II) from sulfuric solutions by hollow fiber renewal liquid membrane. <i>Journal of Membrane Science</i> , 2010, 365, 260-268.	8.2	43
45	Simultaneous removal and recovery of copper(II) from acidic wastewater by hollow fiber renewal liquid membrane with LIX984N as carrier. <i>Chemical Engineering Journal</i> , 2010, 157, 230-237.	12.7	58
46	Simultaneous extraction and concentration of penicillin G by hollow fiber renewal liquid membrane. <i>Biotechnology Progress</i> , 2009, 25, 468-475.	2.6	15
47	Facilitated Transport of Penicillin G by Bulk Liquid Membrane with TBP as Carrier. <i>Applied Biochemistry and Biotechnology</i> , 2009, 152, 286-294.	2.9	9
48	The Separation and Concentration of Cr(VI) from Acidic Dilute Solution Using Hollow Fiber Renewal Liquid Membrane. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 4500-4506.	3.7	28
49	The Transport of Copper(II) through Hollow Fiber Renewal Liquid Membrane and Hollow Fiber Supported Liquid Membrane. <i>Separation Science and Technology</i> , 2009, 44, 1181-1197.	2.5	18
50	Filtration and regeneration behavior of polytetrafluoroethylene membrane for dusty gas treatment. <i>Korean Journal of Chemical Engineering</i> , 2008, 25, 744-753.	2.7	24
51	Solvent Extraction of Chromium(VI) with Tri-n-butyl Phosphate from Aqueous Acidic Solutions. <i>Journal of Chemical & Engineering Data</i> , 2007, 52, 2220-2223.	1.9	30
52	Modeling Study of the Influence of Porosity on Membrane Absorption Process. <i>Separation Science and Technology</i> , 2007, 42, 3289-3306.	2.5	4
53	New liquid membrane technology for simultaneous extraction and stripping of copper(II) from wastewater. <i>Chemical Engineering Science</i> , 2007, 62, 6090-6101.	3.8	120