

Guoping Hu

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

865
citations

567144

15
h-index

477173

29
g-index

33
all docs

33
docs citations

33
times ranked

771
citing authors

#	ARTICLE	IF	CITATIONS
1	Carbon dioxide absorption into promoted potassium carbonate solutions: A review. <i>International Journal of Greenhouse Gas Control</i> , 2016, 53, 28-40.	2.3	123
2	Extraction of vanadium from chloride solution with high concentration of iron by solvent extraction using D2EHPA. <i>Separation and Purification Technology</i> , 2014, 125, 59-65.	3.9	81
3	An extraction process to recover vanadium from low-grade vanadium-bearing titanomagnetite. <i>Journal of Hazardous Materials</i> , 2015, 294, 35-40.	6.5	77
4	Carbon dioxide capture by solvent absorption using amino acids: A review. <i>Chinese Journal of Chemical Engineering</i> , 2018, 26, 2229-2237.	1.7	67
5	A Review of Technical Advances, Barriers, and Solutions in the Power to Hydrogen (P2H) Roadmap. <i>Engineering</i> , 2020, 6, 1364-1380.	3.2	63
6	Desilication from titanium-vanadium slag by alkaline leaching. <i>Transactions of Nonferrous Metals Society of China</i> , 2013, 23, 3076-3082.	1.7	50
7	Enzymatic carbon dioxide capture using a thermally stable carbonic anhydrase as a promoter in potassium carbonate solvents. <i>Chemical Engineering Journal</i> , 2017, 307, 49-55.	6.6	48
8	The opportunity of membrane technology for hydrogen purification in the power to hydrogen (P2H) roadmap: a review. <i>Frontiers of Chemical Science and Engineering</i> , 2021, 15, 464-482.	2.3	43
9	Enrichment of low grade CH ₄ from N ₂ /CH ₄ mixtures using vacuum swing adsorption with activated carbon. <i>Chemical Engineering Science</i> , 2021, 229, 116152.	1.9	38
10	Print media representations of carbon capture utilization and storage (CCUS) technology in China. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 155, 111938.	8.2	33
11	Screening Amino Acid Salts as Rate Promoters in Potassium Carbonate Solvent for Carbon Dioxide Absorption. <i>Energy & Fuels</i> , 2017, 31, 4280-4286.	2.5	27
12	Do the performance and efficiency of China's carbon emission trading market change over time?. <i>Environmental Science and Pollution Research</i> , 2020, 27, 33140-33160.	2.7	24
13	Reaction kinetics and mechanism between histidine and carbon dioxide. <i>Chemical Engineering Journal</i> , 2017, 307, 56-62.	6.6	20
14	Modelling of a post-combustion carbon dioxide capture absorber using potassium carbonate solvent in Aspen Custom Modeller. <i>Chinese Journal of Chemical Engineering</i> , 2018, 26, 2327-2336.	1.7	18
15	Nucleation kinetics of glycine promoted concentrated potassium carbonate solvents for carbon dioxide absorption. <i>Chemical Engineering Journal</i> , 2020, 381, 122712.	6.6	16
16	Selective removal of iron(III) from highly salted chloride acidic solutions by solvent extraction using di(2-ethylhexyl) phosphate. <i>Frontiers of Chemical Science and Engineering</i> , 2021, 15, 528-537.	2.3	15
17	Precipitating Characteristics of Potassium Bicarbonate Using Concentrated Potassium Carbonate Solvent for Carbon Dioxide Capture. Part 1. Nucleation. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 6764-6774.	1.8	14
18	Recent Progress on the Performance of Different Rate Promoters in Potassium Carbonate Solvents for CO ₂ Capture. <i>Energy Procedia</i> , 2017, 114, 2279-2286.	1.8	14

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19	Distinct community assembly processes underlie significant spatiotemporal dynamics of abundant and rare bacterioplankton in the Yangtze River. <i>Frontiers of Environmental Science and Engineering</i> , 2022, 16, 1.	3.3	14
20	Pilot scale assessment of methane capture from low concentration sources to town gas specification by pressure vacuum swing adsorption (PVSA). <i>Chemical Engineering Journal</i> , 2022, 427, 130810.	6.6	13
21	A carbonic anhydrase inspired temperature responsive polymer based catalyst for accelerating carbon capture. <i>Chemical Engineering Journal</i> , 2018, 332, 556-562.	6.6	12
22	Separation of He/ N_2 / CH_4 ternary mixtures by a triple ϵ -reflux pressure swing adsorption process. <i>AIChE Journal</i> , 2022, 68, e17569.	1.8	10
23	Kinetics of CO ₂ Absorption in an Ethylethanolamine Based Solution. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 12305-12315.	1.8	9
24	Signalling the cost of intermittency: What is the value of curtailed renewable power?. <i>Journal of Cleaner Production</i> , 2021, 302, 126998.	4.6	8
25	Separation of methane and nitrogen using ionic liquidic zeolites by pressure vacuum swing adsorption. <i>AIChE Journal</i> , 2022, 68, .	1.8	8
26	We commercialized a methane capture technology in ten years – here’s how. <i>Nature</i> , 2022, 604, 242-245.	13.7	6
27	Synthesis of zeolites from circulated fluidized bed coal fly ash. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 1681-1691.	3.0	5
28	Capture of dilute methane with a novel dynamic ϵ -feed dual ϵ -reflux pressure swing adsorption process. <i>AIChE Journal</i> , 2022, 68, e17390.	1.8	4
29	Precipitation study of CO ₂ -loaded glycinate solution with the introduction of ethanol as an antisolvent. <i>Frontiers of Chemical Science and Engineering</i> , 2020, 14, 415-424.	2.3	3
30	Advances of 12th CAPS research symposium: young chemists and chemical engineers fronts. <i>Frontiers of Chemical Science and Engineering</i> , 2021, 15, 461-463.	2.3	1
31	Small step, great rewards: rethinking mining sustainability from old perspectives to new frames. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 0, , 1-16.	1.2	1
32	Extraction of Vanadium from Chloride Solutions Using Di (2-Ethylhexyl) Phosphate. <i>Advanced Materials Research</i> , 0, 785-786, 117-120.	0.3	0