

Guoping Hu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

28

papers

485

citations

12

h-index

21

g-index

33

ext. papers

649

ext. citations

8

avg, IF

3.89

L-index

#	Paper	IF	Citations
28	Print media representations of carbon capture utilization and storage (CCUS) technology in China. <i>Renewable and Sustainable Energy Reviews</i> , 2022 , 155, 111938	16.2	4
27	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	5.8	0
26	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	14.7	3
25	Signalling the cost of intermittency: What is the value of curtailed renewable power?. <i>Journal of Cleaner Production</i> , 2021 , 302, 126998	10.3	2
24	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	4.4	13
23	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	4.5	6
22	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	5.1	10
21	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> , 2020 , 15, 1-19	4.5	9
20	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	4.5	1
19	A Review of Technical Advances, Barriers, and Solutions in the Power to Hydrogen (P2H) Roadmap. <i>Engineering</i> , 2020 , 6, 1364-1380	9.7	23
18	Nucleation kinetics of glycine promoted concentrated potassium carbonate solvents for carbon dioxide absorption. <i>Chemical Engineering Journal</i> , 2020 , 381, 122712	14.7	13
17	A carbonic anhydrase inspired temperature responsive polymer based catalyst for accelerating carbon capture. <i>Chemical Engineering Journal</i> , 2018 , 332, 556-562	14.7	7
16	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	3.2	13
15	Carbon dioxide capture by solvent absorption using amino acids: A review. <i>Chinese Journal of Chemical Engineering</i> , 2018 , 26, 2229-2237	3.2	31
14	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	3.9	12
13	Screening Amino Acid Salts as Rate Promoters in Potassium Carbonate Solvent for Carbon Dioxide Absorption. <i>Energy & Fuels</i> , 2017 , 31, 4280-4286	4.1	22
12	Kinetics of CO ₂ Absorption in an Ethylethanolamine Based Solution. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 12305-12315	3.9	5

11	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	2.3	9
10	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	14.7	37
9	Reaction kinetics and mechanism between histidine and carbon dioxide. <i>Chemical Engineering Journal</i> , 2017 , 307, 56-62	14.7	18
8	Carbon dioxide absorption into promoted potassium carbonate solutions: A review. <i>International Journal of Greenhouse Gas Control</i> , 2016 , 53, 28-40	4.2	84
7	An extraction process to recover vanadium from low-grade vanadium-bearing titanomagnetite. <i>Journal of Hazardous Materials</i> , 2015 , 294, 35-40	12.8	53
6	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	8.3	63
5	Desilication from titanium-vanadium slag by alkaline leaching. <i>Transactions of Nonferrous Metals Society of China</i> , 2013 , 23, 3076-3082	3.3	44
4	Extraction of Vanadium from Chloride Solutions Using Di (2-Ethylhexyl) Phosphate. <i>Advanced Materials Research</i> , 2013 , 785-786, 117-120	0.5	
3	Separation of He/N ₂ /CH ₄ ternary mixtures by a triple-reflux pressure swing adsorption process. <i>AICHE Journal</i> , e17569	3.6	0
2	Capture of dilute methane with a novel dynamic-feed dual-reflux pressure swing adsorption process. <i>AICHE Journal</i> , e17390	3.6	1
1	Small step, great rewards: rethinking mining sustainability from old perspectives to new frames. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 1-16	1.6	0