

Hongshuai Gao

List of Publications by Year in descending order

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34
papers

1,778
citations

304743

22
h-index

395702

33
g-index

34
all docs

34
docs citations

34
times ranked

1710
citing authors

#	ARTICLE	IF	CITATIONS
1	A Mn-N ₃ single-atom catalyst embedded in graphitic carbon nitride for efficient CO ₂ electroreduction. Nature Communications, 2020, 11, 4341.	12.8	257
2	Extraction and oxidative desulfurization of diesel fuel catalyzed by a Brønsted acidic ionic liquid at room temperature. Green Chemistry, 2010, 12, 1220.	9.0	193
3	Protic ionic liquid [Bim][NTf ₂] with strong hydrogen bond donating ability for highly efficient ammonia absorption. Green Chemistry, 2017, 19, 937-945.	9.0	156
4	Efficient absorption of ammonia with hydroxyl-functionalized ionic liquids. RSC Advances, 2015, 5, 81362-81370.	3.6	119
5	Pebax-based composite membranes with high gas transport properties enhanced by ionic liquids for CO ₂ separation. RSC Advances, 2017, 7, 6422-6431.	3.6	100
6	High-efficiency desulfurization by adsorption with mesoporous aluminosilicates. AIChE Journal, 2007, 53, 3263-3268.	3.6	83
7	Novel Ether-Functionalized Pyridinium Chloride Ionic Liquids for Efficient SO ₂ Capture. Industrial & Engineering Chemistry Research, 2014, 53, 16832-16839.	3.7	83
8	Functionalized ionic liquid membranes for CO ₂ separation. Chemical Communications, 2018, 54, 12671-12685.	4.1	81
9	Enhanced NH ₃ capture by imidazolium-based protic ionic liquids with different anions and cation substituents. Journal of Chemical Technology and Biotechnology, 2018, 93, 1228-1236.	3.2	78
10	Improving SO ₂ capture by tuning functional groups on the cation of pyridinium-based ionic liquids. RSC Advances, 2015, 5, 2470-2478.	3.6	61
11	Desulfurization of Diesel Fuel by Extraction with Lewis-Acidic Ionic Liquid. Separation Science and Technology, 2009, 44, 971-982.	2.5	58
12	Extractive desulfurization of fuel using N-butylpyridinium-based ionic liquids. RSC Advances, 2015, 5, 30234-30238.	3.6	57
13	Hierarchically porous covalent organic frameworks assembled in ionic liquids for highly effective catalysis of C-C coupling reactions. Green Chemistry, 2020, 22, 2605-2612.	9.0	47
14	Morphology Modulation-Engineered Flowerlike In ₂ S ₃ via Ionothermal Method for Efficient CO ₂ Electroreduction. ChemCatChem, 2020, 12, 926-931.	3.7	37
15	Hydrogen Sulfide Solubility in Ionic Liquids (ILs): An Extensive Database and a New ELM Model Mainly Established by Imidazolium-Based ILs. Journal of Chemical & Engineering Data, 2016, 61, 3970-3978.	1.9	35
16	Immobilization of Ionic Liquid [BMIM][PF ₆] by Spraying Suspension Dispersion Method. Industrial & Engineering Chemistry Research, 2008, 47, 4414-4417.	3.7	34
17	Dual-functionalized protic ionic liquids for efficient absorption of NH ₃ through synergistically physicochemical interaction. Journal of Chemical Technology and Biotechnology, 2020, 95, 1815-1824.	3.2	34
18	Aromatic Ester-Functionalized Ionic Liquid for Highly Efficient CO ₂ Electrochemical Reduction to Oxalic Acid. ChemSusChem, 2020, 13, 4900-4905.	6.8	33

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19	Deep Desulfurization of Diesel Oil with Extraction Using Pyridinium-Based Ionic Liquids. Separation Science and Technology, 2012, 47, 325-330.	2.5	26
20	Deep Desulfurization of Gasoline Fuel using FeCl ₃ -Containing Lewis-Acidic Ionic Liquids. Separation Science and Technology, 2014, 49, 1208-1214.	2.5	25
21	Lipase immobilization on ionic liquid-modified magnetic nanoparticles: Ionic liquids controlled esters hydrolysis at oil-water interface. AIChE Journal, 2012, 58, 1203-1211.	3.6	24
22	Simultaneous desulfurization and denitrogen of liquid fuels using two functionalized group ionic liquids. Science China Chemistry, 2014, 57, 1766-1773.	8.2	23
23	Integration of flocculation and adsorptive immobilization of Pseudomonas delafieldii R-8 for diesel oil biodesulfurization. Journal of Chemical Technology and Biotechnology, 2011, 86, 246-250.	3.2	22
24	Efficient selective separation of yttrium from holmium and erbium using carboxyl functionalized ionic liquids. Separation and Purification Technology, 2021, 269, 118774.	7.9	22
25	Highly Selective Oxygen/Nitrogen Separation Membrane Engineered Using a Porphyrin-Based Oxygen Carrier. Membranes, 2019, 9, 115.	3.0	19
26	Experimental and thermodynamic analysis of NH ₃ absorption in dual-functionalized pyridinium-based ionic liquids. Journal of Molecular Liquids, 2021, 323, 114601.	4.9	18
27	Removal of Trace Aluminum Impurity for High-Purity GdCl ₃ Preparation using an Amine-Group-Functionalized Ionic Liquid. Industrial & Engineering Chemistry Research, 2021, 60, 11241-11250.	3.7	14
28	Screening Ionic Liquids by the COSMO-RS Method for the Preparation of Antibacterial Cellulose Fibers. ACS Sustainable Chemistry and Engineering, 2021, 9, 15525-15536.	6.7	11
29	Preparation of Degradable Wood Cellulose Films Using Ionic Liquids. ACS Applied Polymer Materials, 2022, 4, 3598-3607.	4.4	9
30	Efficient Electrochemical Reduction of CO ₂ to CO in Ionic Liquids. ChemistrySelect, 2021, 6, 9873-9879.	1.5	7
31	Highly Efficient Dehydration of Ethyl Acetate using Strong Hydrophilic Ionic Liquids. Industrial & Engineering Chemistry Research, 2020, 59, 16751-16761.	3.7	6
32	Green chemical engineering in China. Reviews in Chemical Engineering, 2019, 35, 995-1077.	4.4	3
33	Synthesis of alkyl polyglycosides using SO ₃ H-functionalized ionic liquids as catalysts. RSC Advances, 2021, 11, 14710-14716.	3.6	3
34	Cover Image, Volume 95, Issue 6. Journal of Chemical Technology and Biotechnology, 2020, 95, i.	3.2	0