Dongshun Deng

List of Publications by Year
in descending order

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Version: 2024-02-01

39 papers	1,779 citations	257450 24 h-index	315739 38 g-index
39 all docs	39 docs citations	39 times ranked	1201 citing authors

#	Article	IF	Citations
1	Protic guanidine isothiocyanate plus acetamide deep eutectic solvents with low viscosity for efficient NH3 capture and NH3/CO2 separation. Journal of Molecular Liquids, 2021, 324, 114719.	4.9	44
2	Investigation of guanidinium acetylacetonate and polyethylene glycol mixture as a new reversible and efficient SO₂ absorbent. Separation Science and Technology, 2021, 56, 2499-2506.	2.5	1
3	Efficient uptake of NH3 by dual active sites NH4SCN-imidazole deep eutectic solvents with low viscosity. Journal of Molecular Liquids, 2021, 339, 116724.	4.9	22
4	Highly efficient absorption and separation of NH3 by simple lithium deep eutectic solvents. Separation and Purification Technology, 2021, 279, 119763.	7.9	22
5	Protic ionic liquid ethanolamine thiocyanate with multiple sites for highly efficient NH3 uptake and NH3/CO2 separation. Separation and Purification Technology, 2021, 276, 119298.	7.9	27
6	Efficient Absorption of Low Partial Pressure SO₂ by 1-Ethyl-3-methylimidazolium Chloride Plus N-Formylmorpholine Deep Eutectic Solvents. Energy & Fuels, 2020, 34, 665-671.	5.1	47
7	Ammonia Solubility, Density, and Viscosity of Choline Chlorideâ€“Dihydric Alcohol Deep Eutectic Solvents. Journal of Chemical & Engineering Data, 2020, 65, 4845-4854.	1.9	26
8	Solubility and thermodynamic properties of NH3 in choline chloride-based deep eutectic solvents. Journal of Chemical Thermodynamics, 2019, 133, 79-84.	2.0	70
9	Efficient and reversible absorption of NH3 by functional azoleâ€“glycerol deep eutectic solvents. New Journal of Chemistry, 2019, 43, 11636-11642.	2.8	40
10	Solubilities and Thermodynamic Properties of NH₃ in Glycerin and its Derivatives. Journal of Chemical & Engineering Data, 2019, 64, 1131-1139.	1.9	9
11	Investigation of protic NH4SCN-based deep eutectic solvents as highly efficient and reversible NH3 absorbents. Chemical Engineering Journal, 2019, 358, 936-943.	12.7	110
12	Absorption of SO₂ in Furoate Ionic Liquids/PEG200 Mixtures and Thermodynamic Analysis. Journal of Chemical & Engineering Data, 2018, 63, 259-268.	1.9	29
13	Investigation of SO 2 solubilities in some biobased solvents and their thermodynamic properties. Journal of Chemical Thermodynamics, 2018, 119, 84-91.	2.0	9
14	SO₂ absorption/desorption performance of renewable phenol-based deep eutectic solvents. Separation Science and Technology, 2018, 53, 2150-2158.	2.5	38
15	Physicochemical property and solubility of SO2 in glycerin derivatives. Journal of Molecular Liquids, 2018, 264, 66-71.	4.9	5
16	Solubilities and Thermodynamic Properties of CO₂ in Four Azole-Based Deep Eutectic Solvents. Journal of Chemical & Engineering Data, 2018, 63, 2091-2096.	1.9	36
17	Investigation of furoate-based ionic liquid as efficient SO₂ absorbent. New Journal of Chemistry, 2017, 41, 2090-2097.	2.8	24
18	Solubilities and Thermodynamic Properties of Carbon Dioxide in Guaiacol-Based Deep Eutectic Solvents. Journal of Chemical & Engineering Data, 2017, 62, 1448-1455.	1.9	70

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19	Physicochemical Properties and Investigation of Azole-Based Deep Eutectic Solvents as Efficient and Reversible SO₂ Absorbents. Industrial & Engineering Chemistry Research, 2017, 56, 13850-13856.	3.7	99
20	Hydrocracking of bio-alkanes over Pt/Al-MCM-41 mesoporous molecular sieves for bio-jet fuel production. Journal of Renewable and Sustainable Energy, 2016, 8, .	2.0	20
21	Investigation of solubilities of carbon dioxide in five levulinic acid-based deep eutectic solvents and their thermodynamic properties. Journal of Chemical Thermodynamics, 2016, 103, 212-217.	2.0	76
22	New levulinic acid-based deep eutectic solvents: Synthesis and physicochemical property determination. Journal of Molecular Liquids, 2016, 222, 201-207.	4.9	67
23	Solubilities and Thermodynamic Properties of Carbon Dioxide in Some Biobased Solvents. Journal of Chemical & Engineering Data, 2016, 61, 3355-3362.	1.9	8
24	Solubility and thermodynamic properties of SO 2 in three low volatile urea derivatives. Journal of Chemical Thermodynamics, 2016, 101, 12-18.	2.0	18
25	Investigation of the Solubilities of Carbon Dioxide in Some Low Volatile Solvents and Their Thermodynamic Properties. Journal of Chemical & Engineering Data, 2016, 61, 1254-1261.	1.9	26
26	Solubility and thermodynamic properties of sulfuryl fluoride in water. Journal of Chemical Thermodynamics, 2016, 95, 190-194.	2.0	5
27	Solubilities and thermodynamic properties of SO 2 in five biobased solvents. Journal of Chemical Thermodynamics, 2016, 92, 207-213.	2.0	28
28	Solubilities of carbon dioxide in the eutectic mixture of levulinic acid (or furfuryl alcohol) and choline chloride. Journal of Chemical Thermodynamics, 2015, 88, 72-77.	2.0	125
29	Investigation of a deep eutectic solvent formed by levulinic acid with quaternary ammonium salt as an efficient SO₂ absorbent. New Journal of Chemistry, 2015, 39, 8158-8164.	2.8	98
30	Solubilities of Carbon Dioxide in Five Biobased Solvents. Journal of Chemical & Engineering Data, 2015, 60, 104-111.	1.9	25
31	Low pressure solubilities of CO2 in five fatty amine polyoxyethylene ethers. Journal of Chemical Thermodynamics, 2014, 72, 89-93.	2.0	14
32	Investigation of the weak basic butyltriethylammonium acetylacetonate and polyethylene glycol mixture as a new efficient CO2 absorption solvent. Journal of Chemical Thermodynamics, 2014, 79, 230-234.	2.0	12
33	Solubilities of Carbon Dioxide in Eutectic Mixtures of Choline Chloride and Dihydric Alcohols. Journal of Chemical & Engineering Data, 2014, 59, 1247-1253.	1.9	120
34	Solubilities and thermodynamic properties of CO2 in choline-chloride based deep eutectic solvents. Journal of Chemical Thermodynamics, 2014, 75, 58-62.	2.0	130
35	Palladium nanoparticles supported on mpg-C3N4 as active catalyst for semihydrogenation of phenylacetylene under mild conditions. Green Chemistry, 2013, 15, 2525.	9.0	117
36	The strategies for improving carbon dioxide chemisorption by functionalized ionic liquids. RSC Advances, 2013, 3, 15518.	3.6	127

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37	Solubility of CO2 in amide-based BrÃ¸nsted acidic ionic liquids. Journal of Chemical Thermodynamics, 2013, 57, 355-359.	2.0	22
38	Vapourâ€“liquid equilibrium measurements and modelling for the ternary system (waterâ€‰+â€‰2-propanolâ€‰+â€‰1-butyl-3-methylimidazolium acetate). Physics and Chemistry of Liquids, 2012, 50, 504-512.	1.2	5
39	Investigation of NH3 absorption by protic imidazolium thiocyanate-based deep eutectic solvents with multiple binding sites and low viscosity. New Journal of Chemistry, 0, , .	2.8	8