Mohammad Shokouhi

List of Publications by Year
in descending order

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41 papers	1,170 citations	516710 16 h-index	377865 34 g-index
42 all docs	42 docs citations	42 times ranked	772 citing authors

#	Article	IF	Citations
1	Solubility and Diffusion of H₂S and CO₂ in the Ionic Liquid 1-(2-Hydroxyethyl)-3-methylimidazolium Tetrafluoroborate. Journal of Chemical & Engineering Data, 2010, 55, 1663-1668.	1.9	187
2	Solubility and diffusion of CO2 and H2S in the ionic liquid 1-ethyl-3-methylimidazolium ethylsulfate. Journal of Chemical Thermodynamics, 2010, 42, 1298-1303.	2.0	176
3	Solubility of CO2 and H2S in the ionic liquid 1-ethyl-3-methylimidazolium tris(pentafluoroethyl)trifluorophosphate. Journal of Chemical Thermodynamics, 2013, 67, 55-62.	2.0	123
4	Solubility of CO2 in 1-(2-hydroxyethyl)-3-methylimidazolium ionic liquids with different anions. Journal of Chemical Thermodynamics, 2010, 42, 787-791.	2.0	96
5	Measuring the solubility of CO2 and H2S in sulfolane and the density and viscosity of saturated liquid binary mixtures of (sulfolane + CO2) and (sulfolane + H2S). Journal of Chemical Thermodynamics, 2015, 85, 13-25.	2.0	69
6	Experimental solubility of hydrogen sulfide and carbon dioxide in dimethylformamide and dimethylsulfoxide. Fluid Phase Equilibria, 2014, 367, 29-37.	2.5	46
7	Solubility of carbon dioxide and hydrogen sulfide in the ionic liquid 1-butyl-3-methylimidazolium trifluoromethanesulfonate. Fluid Phase Equilibria, 2017, 453, 1-12.	2.5	39
8	Experimental investigation of the density and viscosity of CO2-loaded aqueous alkanolamine solutions. Fluid Phase Equilibria, 2015, 404, 96-108.	2.5	37
9	Measuring and modelling the absorption and volumetric properties of CO2 and H2S in the ionic liquid 1-ethyl-3-methylimidazolium tetrafluoroborate. Journal of Chemical Thermodynamics, 2019, 131, 544-556.	2.0	37
10	Solubility of Hydrogen Sulfide in N-Methylacetamide and N,N-Dimethylacetamide: Experimental Measurement and Modeling. Journal of Chemical & Engineering Data, 2015, 60, 499-508.	1.9	28
11	Heat capacity, thermal conductivity and thermal diffusivity of aqueous sulfolane solutions. Thermochimica Acta, 2013, 560, 63-70.	2.7	27
12	Solubility of Carbon Dioxide in Aqueous Blends of 2-Amino-2-methyl-1-propanol and N-Methyldiethanolamine. Journal of Chemical & Engineering Data, 2015, 60, 1250-1258.	1.9	27
13	Solubility of Hydrogen Sulfide in Ethanediol, 1,2-Propanediol, 1-Propanol, and 2-Propanol: Experimental Measurement and Modeling. Journal of Chemical & Engineering Data, 2016, 61, 512-524.	1.9	24
14	Experimental Solubility of Carbonyl Sulfide in Sulfolane and Î³-butyrolactone. Journal of Chemical & Engineering Data, 2017, 62, 3401-3408.	1.9	19
15	Thermo-physical properties of aqueous solutions of N,N-dimethylformamide. Journal of Molecular Liquids, 2013, 186, 142-146.	4.9	17
16	Solubility of Hydrogen Sulfide in Aqueous Blends of 2-Amino-2-methyl-1-propanol and N-Methyldiethanoleamine: Experimental Measurement and Modeling. Journal of Chemical & Engineering Data, 2015, 60, 2119-2127.	1.9	17
17	Experimental investigation of hydrogen sulfide solubility in aqueous sulfolane solution. Journal of Chemical Thermodynamics, 2017, 106, 232-242.	2.0	16
18	Thermodynamical and artificial intelligence approaches of H2S solubility in N-methylpyrrolidone. Chemical Physics Letters, 2018, 707, 22-30.	2.6	16

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19	Measuring solubility of hydrogen sulphide in aqueous blends of N-methyldiethanolamine and 2-((2) Tj ETQq1 1 0.784314 rgBT /Overlock Thermodynamics, 2016, 100, 106-115.	2.0	14
20	Carbon dioxide solubility in aqueous sulfolane solution. Journal of Chemical Thermodynamics, 2019, 132, 62-72.	2.0	14
21	Measuring the density and viscosity of H 2 S-loaded aqueous methyldiethanolamine solution. Journal of Chemical Thermodynamics, 2016, 102, 228-236.	2.0	13
22	Deriving linear isotherms for solids. Fluid Phase Equilibria, 2008, 271, 94-102.	2.5	11
23	Analysis of Thermodynamic Consistency Behavior of CO2 Solubility in Some Associating Solvents. International Journal of Thermophysics, 2020, 41, 1.	2.1	11
24	Thermodynamic Consistency Test of Vaporâ€“liquid Equilibrium Data of Binary Systems Including Carbon Dioxide (CO2) and Ionic Liquids Using the Generic Redlichâ€“Kwong Equation of State. Journal of Solution Chemistry, 2020, 49, 383-404.	1.2	11
25	A new equation of state derived by the statistical mechanical perturbation theory. Fluid Phase Equilibria, 2008, 264, 1-11.	2.5	10
26	Experimental diffusion coefficients of CO2 and H2S in some ionic liquids using semi-infinite volume method. Journal of Chemical Thermodynamics, 2019, 133, 300-311.	2.0	10
27	Experimental and modelling investigation of H2S solubility in N-methylimidazole and gamma-butyrolactone. Journal of Chemical Thermodynamics, 2019, 135, 133-142.	2.0	7
28	Experimental solubility of carbon dioxide and hydrogen sulfide in 2,2â€²-thiodiglycol. Journal of Chemical Thermodynamics, 2019, 133, 202-207.	2.0	7
29	Evaluation of Anion Effect on the Solubility of Hydrogen Sulfide in Ionic Liquids Using Molecular Dynamics Simulation. Theoretical Foundations of Chemical Engineering, 2020, 54, 949-960.	0.7	7
30	Carbon dioxide solubility in aqueous N-Methylpyrrolidone solution. Fluid Phase Equilibria, 2021, 546, 113122.	2.5	7
31	Investigation of Aqueous Diethanolamine Performance in Prediction of Hydrogen Sulfide and Carbonyl Sulfide Removal from Liquefied Propane. Journal of Solution Chemistry, 2022, 51, 84-96.	1.2	6
32	Diffusivity and solubility of carbonyl sulfide and sulfur dioxide in 1-ethyl-3-methylimidazolium bis (trifluoromethyl) sulfonylimide ([emim][Tf2N]): Experimental measurement and modelling. Journal of Chemical Thermodynamics, 2019, 132, 411-422.	2.0	5
33	Modification of Pengâ€“Robinson Cubic Equation of State with Correction of the Temperature Dependency Term. Journal of Solution Chemistry, 2021, 50, 402-426.	1.2	5
34	Model-Dependency of Thermodynamic Consistency: Application to Acid Gases Solubility Data in Commercial Physical Solvents. Journal of Solution Chemistry, 2022, 51, 97.	1.2	5
35	Using molecular dynamic simulation data of calcite in a wide pressure range to calculate some of its thermodynamic properties via some universal equations of state. Molecular Physics, 2008, 106, 2545-2556.	1.7	4
36	Modeling the Solubility of Carbon Dioxide and 1,1,1,2-Tetrafluoroethane in Ionic Liquids Using the van der Waals and Generic Redlichâ€“Kwong Equations of State. Theoretical Foundations of Chemical Engineering, 2021, 55, 129-139.	0.7	3

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37	Thermodynamic and GMDH Modeling of CO2 and H2S Solubility in Aqueous Sulfolane Solution. Journal of Solution Chemistry, 2021, 50, 1-18.	1.2	3
38	Measuring and correlating solubility of hydrogen sulfide in aqueous solution of 2-((2) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702 Td (amir	2.0	2
39	Hydrogen Sulfide Solubility in Aqueous N-Methylpyrrolidone Solution. Journal of Chemical & Engineering Data, 2021, 66, 1900-1913.	1.9	2
40	The effect of steepness of soft-core square-well potential model on some fluid properties. Molecular Physics, 2008, 106, 103-112.	1.7	1
41	Investigation of H2S Solubility in Aqueous N- Methyldiethanolamineâ€Š+â€ŠAmine Functionalized UiO-66 as a nano solvent. Main Group Chemistry, 2022, 21, 85-99.	0.8	1