

# Mohammad Shokouhi

## List of Publications by Year in descending order

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41  
papers

1,170  
citations

516710

16  
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377865

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g-index

42  
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docs citations

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Investigation of Aqueous Diethanolamine Performance in Prediction of Hydrogen Sulfide and Carbonyl Sulfide Removal from Liquefied Propane. <i>Journal of Solution Chemistry</i> , 2022, 51, 84-96.	1.2	6
2	Model-Dependency of Thermodynamic Consistency: Application to Acid Gases Solubility Data in Commercial Physical Solvents. <i>Journal of Solution Chemistry</i> , 2022, 51, 97.	1.2	5
3	Investigation of H <sub>2</sub> S Solubility in Aqueous N- Methyl-diethanolamine- $\alpha$ -Amine Functionalized UiO-66 as a nano solvent. <i>Main Group Chemistry</i> , 2022, 21, 85-99.	0.8	1
4	Modeling the Solubility of Carbon Dioxide and 1,1,1,2-Tetrafluoroethane in Ionic Liquids Using the van der Waals and Generic Redlich-Kwong Equations of State. <i>Theoretical Foundations of Chemical Engineering</i> , 2021, 55, 129-139.	0.7	3
5	Thermodynamic and GMDH Modeling of CO <sub>2</sub> and H <sub>2</sub> S Solubility in Aqueous Sulfolane Solution. <i>Journal of Solution Chemistry</i> , 2021, 50, 1-18.	1.2	3
6	Modification of Peng-Robinson Cubic Equation of State with Correction of the Temperature Dependency Term. <i>Journal of Solution Chemistry</i> , 2021, 50, 402-426.	1.2	5
7	Hydrogen Sulfide Solubility in Aqueous N-Methylpyrrolidone Solution. <i>Journal of Chemical &amp; Engineering Data</i> , 2021, 66, 1900-1913.	1.9	2
8	Carbon dioxide solubility in aqueous N-Methylpyrrolidone solution. <i>Fluid Phase Equilibria</i> , 2021, 546, 113122.	2.5	7
9	Analysis of Thermodynamic Consistency Behavior of CO <sub>2</sub> Solubility in Some Associating Solvents. <i>International Journal of Thermophysics</i> , 2020, 41, 1.	2.1	11
10	Evaluation of Anion Effect on the Solubility of Hydrogen Sulfide in Ionic Liquids Using Molecular Dynamics Simulation. <i>Theoretical Foundations of Chemical Engineering</i> , 2020, 54, 949-960.	0.7	7
11	Thermodynamic Consistency Test of Vapor-liquid Equilibrium Data of Binary Systems Including Carbon Dioxide (CO <sub>2</sub> ) and Ionic Liquids Using the Generic Redlich-Kwong Equation of State. <i>Journal of Solution Chemistry</i> , 2020, 49, 383-404.	1.2	11
12	Diffusivity and solubility of carbonyl sulfide and sulfur dioxide in 1-ethyl-3-methylimidazolium bis (trifluoromethyl) sulfonylimide ([emim][Tf <sub>2</sub> N]): Experimental measurement and modelling. <i>Journal of Chemical Thermodynamics</i> , 2019, 132, 411-422.	2.0	5
13	Experimental and modelling investigation of H <sub>2</sub> S solubility in N-methylimidazole and gamma-butyrolactone. <i>Journal of Chemical Thermodynamics</i> , 2019, 135, 133-142.	2.0	7
14	Experimental diffusion coefficients of CO <sub>2</sub> and H <sub>2</sub> S in some ionic liquids using semi-infinite volume method. <i>Journal of Chemical Thermodynamics</i> , 2019, 133, 300-311.	2.0	10
15	Experimental solubility of carbon dioxide and hydrogen sulfide in 2,2-thiodiglycol. <i>Journal of Chemical Thermodynamics</i> , 2019, 133, 202-207.	2.0	7
16	Carbon dioxide solubility in aqueous sulfolane solution. <i>Journal of Chemical Thermodynamics</i> , 2019, 132, 62-72.	2.0	14
17	Measuring and modelling the absorption and volumetric properties of CO <sub>2</sub> and H <sub>2</sub> S in the ionic liquid 1-ethyl-3-methylimidazolium tetrafluoroborate. <i>Journal of Chemical Thermodynamics</i> , 2019, 131, 544-556.	2.0	37
18	Measuring and correlating solubility of hydrogen sulfide in aqueous solution of 2-((2) Tj ETQq0 0 0 rgBT /Overlock 10,Tf 50 62 Td (amin	2.0	2

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19	Thermodynamical and artificial intelligence approaches of H <sub>2</sub> S solubility in N-methylpyrrolidone. <i>Chemical Physics Letters</i> , 2018, 707, 22-30.	2.6	16
20	Experimental investigation of hydrogen sulfide solubility in aqueous sulfolane solution. <i>Journal of Chemical Thermodynamics</i> , 2017, 106, 232-242.	2.0	16
21	Experimental Solubility of Carbonyl Sulfide in Sulfolane and $\hat{1}$ <sup>3</sup> -butyrolactone. <i>Journal of Chemical &amp; Engineering Data</i> , 2017, 62, 3401-3408.	1.9	19
22	Solubility of carbon dioxide and hydrogen sulfide in the ionic liquid 1-butyl-3-methylimidazolium trifluoromethanesulfonate. <i>Fluid Phase Equilibria</i> , 2017, 453, 1-12.	2.5	39
23	Measuring the density and viscosity of H <sub>2</sub> S-loaded aqueous methyldiethanolamine solution. <i>Journal of Chemical Thermodynamics</i> , 2016, 102, 228-236.	2.0	13
24	Measuring solubility of hydrogen sulphide in aqueous blends of N-methyldiethanolamine and 2-((2) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Thermodynamics, 2016, 100, 106-115.	2.0	14
25	Solubility of Hydrogen Sulfide in Ethanediol, 1,2-Propanediol, 1-Propanol, and 2-Propanol: Experimental Measurement and Modeling. <i>Journal of Chemical &amp; Engineering Data</i> , 2016, 61, 512-524.	1.9	24
26	Solubility of Hydrogen Sulfide in <i>N</i> -Methylacetamide and <i>N,N</i> -Dimethylacetamide: Experimental Measurement and Modeling. <i>Journal of Chemical &amp; Engineering Data</i> , 2015, 60, 499-508.	1.9	28
27	Measuring the solubility of CO <sub>2</sub> and H <sub>2</sub> S in sulfolane and the density and viscosity of saturated liquid binary mixtures of (sulfolane + CO <sub>2</sub> ) and (sulfolane + H <sub>2</sub> S). <i>Journal of Chemical Thermodynamics</i> , 2015, 85, 13-25.	2.0	69
28	Experimental investigation of the density and viscosity of CO <sub>2</sub> -loaded aqueous alkanolamine solutions. <i>Fluid Phase Equilibria</i> , 2015, 404, 96-108.	2.5	37
29	Solubility of Hydrogen Sulfide in Aqueous Blends of 2-Amino-2-methyl-1-propanol and <i>N</i> -Methyldiethanolamine: Experimental Measurement and Modeling. <i>Journal of Chemical &amp; Engineering Data</i> , 2015, 60, 2119-2127.	1.9	17
30	Solubility of Carbon Dioxide in Aqueous Blends of 2-Amino-2-methyl-1-propanol and <i>N</i> -Methyldiethanolamine. <i>Journal of Chemical &amp; Engineering Data</i> , 2015, 60, 1250-1258.	1.9	27
31	Experimental solubility of hydrogen sulfide and carbon dioxide in dimethylformamide and dimethylsulfoxide. <i>Fluid Phase Equilibria</i> , 2014, 367, 29-37.	2.5	46
32	Solubility of CO <sub>2</sub> and H <sub>2</sub> S in the ionic liquid 1-ethyl-3-methylimidazolium tris(pentafluoroethyl)trifluorophosphate. <i>Journal of Chemical Thermodynamics</i> , 2013, 67, 55-62.	2.0	123
33	Thermo-physical properties of aqueous solutions of N,N-dimethylformamide. <i>Journal of Molecular Liquids</i> , 2013, 186, 142-146.	4.9	17
34	Heat capacity, thermal conductivity and thermal diffusivity of aqueous sulfolane solutions. <i>Thermochimica Acta</i> , 2013, 560, 63-70.	2.7	27
35	Solubility of CO <sub>2</sub> in 1-(2-hydroxyethyl)-3-methylimidazolium ionic liquids with different anions. <i>Journal of Chemical Thermodynamics</i> , 2010, 42, 787-791.	2.0	96
36	Solubility and diffusion of CO <sub>2</sub> and H <sub>2</sub> S in the ionic liquid 1-ethyl-3-methylimidazolium ethylsulfate. <i>Journal of Chemical Thermodynamics</i> , 2010, 42, 1298-1303.	2.0	176

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37	Solubility and Diffusion of H <sub>2</sub> S and CO <sub>2</sub> in the Ionic Liquid 1-(2-Hydroxyethyl)-3-methylimidazolium Tetrafluoroborate. Journal of Chemical & Engineering Data, 2010, 55, 1663-1668.	1.9	187
38	A new equation of state derived by the statistical mechanical perturbation theory. Fluid Phase Equilibria, 2008, 264, 1-11.	2.5	10
39	Deriving linear isotherms for solids. Fluid Phase Equilibria, 2008, 271, 94-102.	2.5	11
40	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
41	The effect of steepness of soft-core square-well potential model on some fluid properties. Molecular Physics, 2008, 106, 103-112.	1.7	1