

Thermodynamic study of the CO<sub>2</sub>–H<sub>2</sub>O–NaCl system  
modeling of phase equilibria using Soreide and Whitson

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Modeling the CO <sub>2</sub> Solubility in Aqueous Electrolyte Solutions Using ePC-SAFT. Journal of Chemical & Engineering Data, 2020, 65, 5768-5777.	1.0	33
2	Measurements and predictive models of high-pressure H <sub>2</sub> solubility in brine (H <sub>2</sub> O+NaCl) for underground hydrogen storage application. International Journal of Hydrogen Energy, 2020, 45, 32206-32220.	3.8	99
3	Thermodynamic modeling of $\text{CO}_2$ solubility in saline water using NVT flash with the cubic-Plus-association equation of state. Fluid Phase Equilibria, 2020, 520, 112657.	1.4	16
4	Measurements and Modeling of High-Pressure O <sub>2</sub> and CO <sub>2</sub> Solubility in Brine (H <sub>2</sub> O + NaCl) between 303 and 373 K and Pressures up to 36 MPa. Journal of Chemical & Engineering Data, 2021, 66, 609-620.	1.0	12
5	Hydrate Stability of Carbon Dioxide + Oxygen Binary Mixture (CO <sub>2</sub> + O <sub>2</sub> ) in Pure Water: Measurements and Modeling. Journal of Chemical & Engineering Data, 2021, 66, 767-779.	1.0	0
6	An Accurate Model to Calculate CO <sub>2</sub> Solubility in Pure Water and in Seawater at Hydrate-Liquid Water Two-Phase Equilibrium. Minerals (Basel, Switzerland), 2021, 11, 393.	0.8	3
7	A discussion on hydrogen migration in rock salt for tight underground storage with an insight into a laboratory setup. Journal of Energy Storage, 2021, 38, 102589.	3.9	31
8	Experimental Measurements of CO <sub>2</sub> Solubility in Aqueous MgCl <sub>2</sub> Solution at Temperature between 323.15 and 423.15 K and Pressure up to 20 MPa. Journal of Chemical & Engineering Data, 2021, 66, 4166-4173.	1.0	4
9	Thermodynamic Modeling of Mutual Solubilities in Gas-Laden Brines Systems Containing CO <sub>2</sub> , CH <sub>4</sub> , N <sub>2</sub> , O <sub>2</sub> , H <sub>2</sub> , H <sub>2</sub> O, NaCl, CaCl <sub>2</sub> , and KCl: Application to Degassing in Geothermal Processes. Energies, 2021, 14, 5239.	1.6	7
10	Compositional modeling of multicomponent gas injection into saline aquifers with the MUFITS simulator. Journal of Natural Gas Science and Engineering, 2021, 94, 103988.	2.1	14
11	An improved model for CO <sub>2</sub> solubility in aqueous Na+Cl <sup>-</sup> SO <sub>4</sub> <sup>2-</sup> systems up to 473.15 K and 40 MPa. Chemical Geology, 2021, 582, 120443.	1.4	8
12	Vapour-Liquid Equilibrium Study for the Carbon Dioxide and Hydrogen Sulphide in Deionized Water and NaCl Aqueous Solution at Temperature from 373.15 to 423.15 K, 2021, , .		1
13	Modeling of Gas Solubility in Aqueous Electrolyte Solutions with the eSAFT-VR Mie Equation of State. Industrial & Engineering Chemistry Research, 2021, 60, 15327-15342.	1.8	19
14	Measurement of Solubility of CO <sub>2</sub> in NaCl, CaCl <sub>2</sub> , MgCl <sub>2</sub> and MgCl <sub>2</sub> + CaCl <sub>2</sub> Brines at Temperatures from 298 to 373 K and Pressures up to 20 MPa Using the Potentiometric Titration Method. Energies, 2021, 14, 7222.	1.6	14
15	New correlations for interfacial tension of CO <sub>2</sub> -water-electrolyte systems at high pressure. Fluid Phase Equilibria, 2022, 555, 113354.	1.4	2
16	A Review of Electrolyte Equations of State with Emphasis on Those Based on Cubic and Cubic-Plus-Association (CPA) Models. International Journal of Thermophysics, 2022, 43, 1.	1.0	28
17	Modeling hydrogen-rock-brine interactions for the Jurassic reservoir and cap rocks from Polish Lowlands. International Journal of Hydrogen Energy, 2022, 47, 10947-10962.	3.8	40
18	A Review of the Studies on CO <sub>2</sub> -Brine-Rock Interaction in Geological Storage Process. Geosciences (Switzerland), 2022, 12, 168.	1.0	17

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19	A Review of Phase Behavior Mechanisms of CO <sub>2</sub> EOR and Storage in Subsurface Formations. Industrial & Engineering Chemistry Research, 2022, 61, 10298-10318.	1.8	19
20	Prediction of CO <sub>2</sub> solubility in NaCl brine under geological conditions with an improved binary interaction parameter in the SA <sub>reide</sub> -Whitson model. Geothermics, 2022, 105, 102544.	1.5	6
21	Predicting CO <sub>2</sub> solubility in aqueous and organic electrolyte solutions with ePC-SAFT advanced. Fluid Phase Equilibria, 2023, 567, 113714.	1.4	7
22	Fluid Property Model for Carbon Capture and Storage by Volume-Translated Peng-Robinson Equation of State and Lohrenz-Bray-Clark Viscosity Correlation. , 2023, , .		1
23	Phase equilibrium modeling for carbon dioxide Capture and Storage (CCS) fluids in brine using an electrolyte association equation of state. Chemical Engineering Science, 2023, 275, 118723.	1.9	1
29	Investigation on CO <sub>2</sub> Solubility for Safer CO <sub>2</sub> Storage: Experimental Study on the Effect of pH. , 2023, , .		0
31	Exploring CO <sub>2</sub> -H <sub>2</sub> S Storage in Deep Saline Aquifers: A Case Study from an Offshore Gas Field in Malaysia. From Lab to Numerical Simulation.. , 2024, , .		0