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Amir Abbas Izadpanah

Objective Employment

Experience

2000–2001

Atomic Energy Organization of Iran

2002-2004

Research Institute of Petroleum Industry (Hydrate Project)

2006

Department of Chemical Engineering, Engineering Faculty, Persian Gulf University, Bushehr, Iran

Education

1992–1996 Shiraz University, Shiraz, Iran

- B.Sc., Chemical engineering (Petrochemical), the third best students in my class.

1996 – 1999 Tarbiat Modarres University, Tehran, Iran

- M.Sc. Chemical engineering (Thermokinetics).

2001-2006 Tarbiat Modarres University, Tehran, Iran

- PhD Chemical engineering

Publication

Congress:

- Vafaie Sefti, M., **Izadpanah, A.A.**, Modification of Heyen EOS by proper alpha function, 4th Iranian National congress of Chemical Engineering, Sharif university of Technology, 1999.
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- **Amir Abbas Izadpanah**, Mohsen Vafaie Sefti, Farshad Varaminian, Experimental Study and Modeling of Kinetics of Methane Hydrate Formation in Constant Volume Based on Thermodynamic Natural Path in Chemical Reactions, 11th Iranian National Congress of Chemical Engineering, Tarbiat Modarres University, 2006.
- Javidnia A., Vafaie Sefti, M., **Izadpanah, A.A.**, Varaminian, F., Experimental Data and thermodynamic modeling of Hydrate Formation for Carbon Di Oxide and Mixture of Carbon Di Oxide and Methane in the Presence of Methanol, The First Iranian Thermodynamics Conference, Isfahan Universiy, 31 October-1 November, 2007
- Osfouri S., **Izadpanah, A.A.**, Hosseinnejad H., Application of NRTL-NRF activity coefficient model for prediction of hydrate formation conditions in the presence of electrolyte solutions, The First Iranian Thermodynamics Conference, Isfahan Universiy, 31 October-1 November, 2007
- Khazaei zadeh S., Varaminian, F., **Izadpanah, A.A.**, Kinetic modeling of methane gas hydrate formation based on irreversible thermodynamics, The First Iranian Thermodynamics Conference, Isfahan Universiy, 31 October-1 November, 2007
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- Fatemeh Nikbakht, **Amir Abbas Izadpanah**, Sina Amini, Mohi aldin Mohammadi, Comparison of different EOS for prediction of hydrate formation conditions of carbon dioxide, First National Congress on Gas Hydrates, Sharif University of Technology, 2011
- Fatemeh Nikbakht, **Amir Abbas Izadpanah**, Farshad Varaminian, Modeling hydrate formations for refrigerants R-134a, R-141b, and R-152a using the CPA equation of state and obtaining Kihara parameters for these materials, First National Congress on Gas Hydrates, Sharif University of Technology, 2011
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formation Kinetics based on chemical affinity, 7th international conference on gas hydrates, 17-21st July 2011, Edinburgh, UK.

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- A. Djavidnia, **A.A. Izadpanah**, M.V. Sefti, F. Varaminian, The Equilibrium Data and Thermodynamic Modeling of Hydrate Formation for CO_2 and Mixtures of CO_2 and CH_4 in the Presence of Methanol, *Petroleum Science and Technology*, 31 (**2013**) 2013-2021.
- **Izadpanah A.A**., Javidnia A. The Ability of a Nanofiltration Membrane to Remove Hardness and Ions from Diluted Seawater. *Water*. **2012**; 4(2):283-294.
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Interests

- Applied thermodynamics, Thermodynamics of phase equilibria
- Thermodynamic simulation of phase equilibria
- Study of EOS and their mixing rule

- Computation of properties of petroleum fluids and their phase behavior
- Study and simulation of kinetics and thermodynamics of gas hydrate
- Membrane based water treatment