



Resume



First name: Mohammad Mehdi

Last name: Alavianmehr

Academic title: Professor

Area of Specialty: Physical Chemistry, Thermodynamics

Areas of Interest: Predicting and Measuring Thermophysical Properties of Fluids

Selected publication

- 1) Densities and isothermal compressibilities from perturbed hard-dimer-chain equation of state: application to nanofluids, Mahsa Taghizadehfard , Sayed Mostafa Hosseini , Mariano Pierantozzi and **Mohammad Mehdi Alavianmehr**, Journal of Non-Equilibrium Thermodynamics, 2022

- 2) Surface thermodynamic properties of ionic liquids from new molecular thermodynamic model and ion-contribution equation of state **Mohammad Mehdi Alavianmehr**, SM Hosseini, B Haghghi, Chemical Engineering Science Journal, 2015, Elsevier
- 3) Modeling thermophysical properties of several liquid adipates E Kiumarsian, SM Hosseini, **Mohammad Mehdi Alavianmehr** - Journal of Molecular Liquids, 2022 - Elsevier