تابستان ۱۴۰۲



مصطفى وطني

عضو هیات علمی گروه مهندسی شیمی دانشگاه کاشان

Email: Vatani@kashanu.ac.ir

سوابق تحصيلي

- کارشناسی مهندسی شیمی دانشگاه کاشان، ۱۳۸۸
- کارشناسی ارشد مهندسی شیمی دانشگاه کاشان، ۱۳۹۰
- دکتری تخصصی مهندسی شیمی دانشگاه صنعتی امیرکبیر (پلی تکنیک تهران)، ۱۳۹۶

مقالات مجلات معتبر خارجي

Mostafa Vatani, Morteza Asghari, Gholamreza Vakili-Nezhaad.

Application of Genetic Algorithm to the calculation of parameters for NRTL and Two-Suffix Margules models in ternary extraction ionic liquid systems.

Published in 'Journal of Industrial and Engineering Chemistry', (vol. 18, pp. 1715–1720, 2012).

Gholamreza Vakili-Nezhaad, Mostafa Vatani, Morteza Asghari, Ibrahim Ashour.

Effect of temperature on the physical properties of 1-butyl-3-methylimidazolium based ionic liquids with thiocyanate and tetrafluoroborate anions, and 1-hexyl-3-methylimidazolium with tetrafluoroborate and hexafluorophosphate anions.

Published in 'The Journal of Chemical Thermodynamics', (vol. 54, pp. 148–154, 2012).

Gholamreza Vakili-Nezhaad, Mostafa Vatani, Morteza Asghari.

Calculation of the Binary Interaction and Non-Randomness Parameters of the NRTL, NRTL1 and NRTL2 Models Using Genetic Algorithm for Ternary Ionic Liquid Systems.

Published in 'Chemical Engineering Communications', (vol. 200, pp. 1102-1120, 2013)

Mostafa Vatani, Morteza Asghari, Gholamreza Vakili-Nezhaad.

Application of Genetic Algorithm to Parameter Estimation in Liquid-Liquid Phase Equilibrium Modeling.

Published in 'Journal of Mathematics and Computer Science', (vol. 5, pp. 60–66, 2012).

Babak Mehmandoust, Ehsan Sanjari, Mostafa Vatani.

An efficient reliable method to estimate the vaporization enthalpy of hydrocarbons according to the normal boiling temperature and critical properties.

Published in 'Journal of Advanced Research', (vol. 5, pp. 261-269, 2014).

Yasser Zare, Ali Daraei, Mostafa Vatani, Parya Aghasafari.

An Analysis of Interfacial Adhesion in Nanocomposites from Recycled Polymers.

Published in 'Computational Materials Science', (vol. 81, pp. 612-616, 2014).

Gholamreza Vakili-Nezhaad, Mostafa Vatani, Ashish Gujarathi.

Application of Genetic Algorithm to Calculation of Three-Suffix Margules Parameters in Ternary Extraction Ionic Liquid Systems.

Published in 'International Journal of Thermodynamics', (vol. 17, pp. 1-6, 2014).

Gholamreza Vakili-Nezhaad, Mostafa Vatani, Rashid Al-Maamari.

Experimental and modeling investigations of the viscosity of crude oil binary blends: new models based on the genetic algorithm method.

Published in 'The Journal of Engineering Research', (vol. 11, pp. 81-91, 2015).

Ashish M. Gujarathi, Gholamreza Vakili-Nezhaad, Mostafa Vatani

Optimization of Process Design Problems using Evolutionary Differential Evolution Algorithm.

Published in 'The Journal of Engineering Research', (vol. 13, pp. 88-101, 2016).

Mostafa Vatani, Ahmadreza Raisi, Gholamreza Pazuki

Mixed matrix membrane of ZSM-5/poly (ether-block-amide)/polyethersulfone for pervaporation separation of ethyl acetate from aqueous solution

Published in 'Microporous & Mesoporous Materials', (vol. 263, pp. 257-267, 2018).

Mostafa Vatani, Ahmadreza Raisi, Gholamreza Pazuki

Pervaporation separation of ethyl acetate from aqueous solutions using ZSM-5 filled dual-layer poly (ether-block-amide)/polyethersulfone membrane.

Published in 'RSC Advances', (vol. 8, pp. 4713-4725, 2018).

Mostafa Vatani, Ahmadreza Raisi, Gholamreza Pazuki

Three-component mixed matrix membrane containing [Hmim][PF6] ionic liquid and ZSM-5 nanoparticles based on poly (ether-block-amide) for the pervaporation process.

Published in 'Journal of Molecular Liquids', (vol. 277, pp. 471-481, 2019).

Mostafa Vatani, Yasser Zare, Nima Gharib, Kyong Yop Rhee, Soo-Jin Park

Simulating of effective conductivity for graphene–polymer nanocomposites

Published in 'Scientific Reports', (vol. 13, pp. 1-11, 2023).

سوابق اجرایی

مشاور انجمن علمی مهندسی شیمی دانشگاه کاشان ۱۴۰۰

معاون گروه مهندسی شیمی دانشگاه کاشان، ۱۴۰۱ تاکنون