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Grade	Graduated At	Field of Study	University
BSc	1388	Chemical Engineering	University of Kashan
MSc	1390	Chemical Engineering	University of Kashan
Ph.D	1396	Chemical Engineering	Amirkabir University of Technology

Papers:

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.

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

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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).

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

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

An Analysis of Interfacial Adhesion in Nanocomposites from Recycled Polymers.

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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.

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

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