

akbarzadehhamed@yahoo.com



۰۹۱۵۳۰۰۸۶۷۰



حامد اکبرزاده

دانشیار دانشگاه حکیم سبزواری

متولد: ۱۳۶۲/۶/۳۱

وضعیت تأهل: متأهل



درباره من

بررسی خواص ترمودینامیکی و دینامیکی و ساختاری نانوسیستم ها با استفاده از شبیه سازی های دینامیک مولکولی و مونت کارلو و کوانتومی

سوابق تحصیلی

کارشناسی ارشد شیمی

گرایش : شیمی فیزیک
موسسه/دانشگاه : دانشگاه صنعتی شریف
معدل : ۱۷،۱۷
۱۳۸۶ - ۱۳۸۴

کارشناسی شیمی محض

موسسه/دانشگاه : دانشگاه فردوسی مشهد
معدل : ۱۶،۷۳
۱۳۸۴ - ۱۳۸۰

دکتری شیمی

گرایش : شیمی فیزیک
موسسه/دانشگاه : دانشگاه صنعتی شریف
معدل : ۱۷،۹۸
۱۳۹۰ - ۱۳۸۶

مهارت‌ها

شبیه سازی فرآیندهای فیزیکی در سیستم های شیمیایی

مدل سازی سیستم های شیمیایی

برنامه نویسی

زبان

انگلیسی

مهارت شنیداری

مهارت گفتاری

مهارت نوشتن

مهارت خواندن

سرآمد علمی کشور در سال ۱۳۹۷ و ۱۳۹۸

عضو بنیاد ملی نخبگان

پژوهشگر برتر دانشکده علوم پایه دانشگاه حکیم سبزواری در سال ۱۳۹۵

برنده جایزه علمی رضوی در سال ۱۳۹۶

نفر اول ورودی در مقاطع کارشناسی ارشد و دکتری در دانشگاه صنعتی شریف

عضو ستاد نانو

Thermodynamics, structure, and dynamic properties of nanostructured water confined into B-, N-, and Si-doped graphene surfaces and carbon nanotubes

M Abbaspour, H Akbarzadeh, S Zaeifi, Industrial & Engineering Chemistry Research, ۲۰۲۰

Molecular dynamics simulation of anticancer drug delivery from carbon nanotube using metal nanowires

M Abbaspour, M Namayandeh Jorabchi, H Akbarzadeh, S Salemi, ... Journal of computational chemistry ۲۰۱۹, ۴۰, ۲۱۷۹-۲۱۹۰

Investigation of Possible Formation of Au@ M (M= Cu, Ir, Pt, and Rh) Core-Shell Nanoclusters in a Condensation-Coalescence Process Using Molecular Dynamics Simulations

.M Abbaspour, H Akbarzadeh, S Salemi, S Lotfi, Industrial & Engineering Chemistry Research ۲۰۱۸, ۵۷, ۱۴۸۳۷-۱۴۸۴۵

Icosahedral Ir, Rh, Pt, and Cu nanoclusters into gold vapor environment: Thermodynamic and structural analysis of the formed core@ shell nanoclusters using MD simulations

M Abbaspour, H Akbarzadeh, S Lotfi, Journal of Alloys and Compounds ۲۰۱۸, ۷۶۴, ۳۲۳-۳۳۲

Investigation of different effects on the capacity of supercapacitor comprising an ionic liquid between graphene oxide nanosheets

M Nasimi, H Akbarzadeh, M Abbaspour, S Salemi, V Sokhanvaran, ..., Journal of Molecular Liquids ۲۰۱۸, ۲۶۶, ۶۵۸-۶۷۲

Unexpected trend for thermodynamic stability of Au@ void@ AgAu yolk-shell nanoparticles: A molecular dynamics study

H Akbarzadeh, E Mehrjouei, AN Shamkhali, M Abbaspour, S Salemi, ..., Applied Surface Science ۲۰۱۸, ۴۴۷, ۶۴۸-۶۵۵

Pt-Co nanocluster in hollow carbon nanospheres

H Akbarzadeh, M Abbaspour, E Mehrjouei, S Ramezanzadeh, Journal of Computational Chemistry ۲۰۱۸, ۳۹, ۱۲۶۷-۱۲۷۴

Stability Control of AgPd@ Pt Trimetallic Nanoparticles via Ag-Pd Core Structure and Composition: A Molecular Dynamics Study

H Akbarzadeh, M Abbaspour, E Mehrjouei, ..., Industrial & Engineering Chemistry Research ۲۰۱۸, ۵۷, ۶۲۳۶-۶۲۴۵

Rattle, Porous, and Dense Cores and Discontinuous Porous, Continuous Porous, and Dense Shells in Pt@ Au Core–Shell Nanoparticles

H Akbarzadeh, E Mehrjouei, A Moradi, AN Shamkhali, Industrial & Engineering Chemistry Research ۲۰۱۸, ۵۷, ۴۹۲۳–۴۹۳۴

Adsorption mechanism of different acyclovir concentrations on ۱–۲ nm sized magnetite nanoparticles A molecular dynamics study

H Akbarzadeh, R Tayebee, ...Journal of molecular liquids ۲۰۱۸, ۲۵۴, ۶۴–۶۹

Molecular dynamics simulation of liquid water and ice nanoclusters using a new effective HFD-like model

M Abbaspour, H Akbarzadeh, S Salemi, K Pirfalak, Journal of computational chemistry ۲۰۱۸, ۳۹, ۲۶۹–۲۷۸

Thermodynamic, structural, and dynamical properties of nano-confined water using SPC/E and TIP4P models by molecular dynamics simulations

E Jalalitalab, M Abbaspour, H Akbarzadeh, New Journal of Chemistry ۲۰۱۸, ۴۲, ۱۶۲۵۸–۱۶۲۷۲

Ag–Au nanoparticles encapsulated inside porous hollow carbon nanospheres: a molecular dynamics study

H Akbarzadeh, M Abbaspour, E Mehrjouei, S Ramezanzadeh, New Journal of Chemistry ۲۰۱۸, ۴۲, ۱۳۶۱۹–۱۳۶۲۸

Au–Fe nanoparticles visited by MD simulation: structural and thermodynamic properties affected by chemical composition

H Akbarzadeh, E Mehrjouei, AN Shamkhali, M Abbaspour, S Salemi, ...New Journal of Chemistry ۲۰۱۸, ۴۲, ۹۶۶۶–۹۶۷۵

Au–Ir nanoalloy nucleation during the gas-phase condensation: a comprehensive MD study including different effects

M Abbaspour, H Akbarzadeh, Z Valizadeh, Inorganic Chemistry Frontiers ۲۰۱۸, ۵, ۱۴۴۵–۱۴۵۷

Formation of methane clathrates in carbon nanotubes: a molecular dynamics study

H Akbarzadeh, M Abbaspour, S Salemi, A Nazarian, New Journal of Chemistry ۲۰۱۸, ۴۲ ۷۰۸۳–۷۰۹۵

Some properties of solid helium and helium nanoclusters using the effective HFD-like interaction potential: Adsorption and desorption inside carbon nanotube

M Abbaspour, H Akbarzadeh, SZ Banihashemi, A Sotoudeh Physica A: Statistical Mechanics and its Applications ۲۰۱۸, ۴۹۱, ۲۱۹–۲۳۲

Density-dependent phase transition in nano-confinement water using molecular dynamics simulation

M Abbaspour, H Akbarzadeh, S Salemi, E Jalalitalab Journal of Molecular Liquids ۲۰۱۸, ۲۵۵, ۲۶–۳۴

Effect of systematic addition of the third component on the melting characteristics and structural evolution of binary alloy nanoclusters

H Akbarzadeh, M Abbaspour, E Mehrjouei Journal of Molecular Liquids , ۲۰۱۸, ۲۴۹, ۴۱۲–۴۱۹

Pt-Pd nanoalloys with crown-jewel structures: How size of the mother Pt cluster affects on thermal and structural properties of Pt-Pd nanoalloy

H Akbarzadeh, E Mehrjouei, A Masoumi, V Sokhanvaran, Journal of Molecular Liquids ۲۰۱۸, ۲۴۹, ۴۷۷–۴۸۵

Coalescence process of gold/silver core-shell nanoparticles located on carbon nanotube and graphene surfaces

H Akbarzadeh, M Abbaspour, S Salemi, M Hasani Journal of Molecular Liquids 2017, 248, 738-750

Structural evolution of Pt/Pd nanoparticles in condensation process

H Akbarzadeh, M Abbaspour, E Mehrjouei, A Masoumi Journal of Molecular Liquids 2017, 248, 822-829

Ni-Co bimetallic nanoparticles with core-shell, alloyed, and Janus structures explored by MD simulation

H Akbarzadeh, E Mehrjouei, S Ramezanzadeh, C Izanloo Journal of Molecular Liquids 2017, 248, 1078-1090

Injection of mixture of shale gases in a nanoscale pore of graphite and their displacement by CO₂/N₂ gases using molecular dynamics study

H Akbarzadeh, M Abbaspour, S Salemi, M Akbari Journal of Molecular Liquids 2017, 248, 439-447

Molecular dynamics simulation of liquid water and ice nanoclusters using a new effective HFD-like model

M Abbaspour, H Akbarzadeh, S Salemi, K Pirfalak Journal of computational chemistry , 2017

Au@ void@ AgAu Yolk-Shell Nanoparticles with Dominant Strain Effects: A Molecular Dynamics Simulation

H Akbarzadeh, E Mehrjouei, AN Shamkhali, M Abbaspour, S Salemi, ... The Journal of Physical Chemistry Letters 2017, 8, 5074-5078

Fe³⁺ O₂@ SiO₂-NH₂ as an efficient nanomagnetic carrier for controlled loading and release of acyclovir

R Tayebee, MF Abdizadeh, MM Amini, N Mollania, Z Jalilli, H Akbarzadeh International Journal of Nano Dimension 2017, 8, 376-377

Effect of support on the coalescence between Ag@ Au nanoalloys using MD simulations

H Akbarzadeh, M Abbaspour, S Salemi, M Hasani Journal of Molecular Liquids 2017, 244, 390-397

Investigation of solvation of iron nanoclusters in ionic liquid 1-butyl-1, 1, 1-trimethylammonium methane sulfonate using molecular dynamics simulations: Effect of Cl⁻

M Abbaspour, H Akbarzadeh, P Yousefi, M Razmkhah Journal of colloid and interface science 2017, 504, 171-177

Au@ Pt and Pt@ Au nanoalloys in the icosahedral and cuboctahedral structures: Which is more stable

H Akbarzadeh, M Abbaspour, E Mehrjouei Journal of Molecular Liquids 2017, 242, 1002-1017

Au@ Void@ Ag Yolk-Shell Nanoclusters Visited by Molecular Dynamics Simulation: The Effects of Structural Factors on Thermodynamic Stability

H Akbarzadeh, E Mehrjouei, AN Shamkhali The Journal of Physical Chemistry Letters 2017, 8, 2990-2998

Delivery of Cisplatin Anti-Cancer Drug from Carbon, Boron Nitride, and Silicon Carbide Nanotubes Forced by Ag-Nanowire: A Comprehensive Molecular Dynamics

E Mehrjouei, H Akbarzadeh, AN Shamkhali, M Abbaspour, S Salemi, ... Molecular Pharmaceutics , 2017

Thermal stabilities of iron nanoparticles under hydrostatic pressure

H Akbarzadeh, C Izanloo, A Moradi Journal of Molecular Liquids , 2017

A comprehensive molecular dynamics investigation on confinement of PtnCum nanocluster inside carbon nanotubes

H Akbarzadeh, AN Shamkhali, M Abbaspour, S Salemi, Z Attaran Colloids and Surfaces A: Physicochemical and Engineering Aspects ۲۰۱۷, ۵۲۲, ۴۳۳-۴۴۴

Dynamical investigation of formation of Ni Pt nanoclusters in gas phase

H Akbarzadeh, M Abbaspour, A Masoumi, E Mehrjouei Journal of Molecular Liquids , ۲۰۱۷

Kinetics formation of bimetallic nanoalloys at different simulation times

H Akbarzadeh, F Taherkhani, E Mehrjouei, A Masoumi Journal of Molecular Liquids , ۲۰۱۷

Effect of pressure on some properties of Ag@ Pd and Pd@ Ag nanoclusters

H Akbarzadeh, M Abbaspour Journal of Alloys and Compounds ۲۰۱۷, ۷۰۳, ۱۷۴-۱۷۹

Different morphologies of aluminum nanoclusters: Effect of pressure on solid-liquid phase transition of the nanoclusters using molecular dynamics simulations

H Akbarzadeh, M Abbaspour Journal of Molecular Liquids ۲۰۱۷, ۲۳۰, ۲۰-۲۳

Effects of pressure, nanoalloy size, and nanoalloy mole fraction on melting of Ir-Rh nanoalloys using molecular dynamics simulations

H Akbarzadeh, M Abbaspour Journal of Alloys and Compounds ۲۰۱۷, ۶۹۴, ۱۲۸۷-۱۲۹۴

Effect of Pt addition to Ag Au bimetallic nanoclusters: A molecular dynamics study of Ag Au Pt ternary system

H Akbarzadeh, AN Shamkhali, M Abbaspour, S Salemi, Z Hajizadeh Journal of Alloys and Compounds ۲۰۱۷, ۶۹۲, ۶۴۷-۶۵۷

New molecular insights into the stability of Ni–Pd hollow nanoparticles

H Akbarzadeh, E Mehrjouei, AN Shamkhali, M Abbaspour, S Salemi, ... Inorganic Chemistry Frontiers ۲۰۱۷, ۴, ۱۶۷۹-۱۶۹۰

Dumbbell-like, core–shell and Janus-like configurations in Pd@ Au@ Pd three-shell nanoalloys: a molecular dynamics study

H Akbarzadeh, E Mehrjouei, M Sherafati, AN Shamkhali Inorganic Chemistry Frontiers ۲۰۱۷, ۴, ۱۵۵۱-۱۵۶۱

Competition between stability of icosahedral and cuboctahedral morphologies in bimetallic nanoalloys

H Akbarzadeh, M Abbaspour, E Mehrjouei Physical Chemistry Chemical Physics ۲۰۱۷, ۱۹, ۱۴۶۵۹-۱۴۶۷۰

Ag–Au bimetallic nanoclusters formed from a homogeneous gas phase: a new thermodynamic expression confirmed by molecular dynamics simulation

H Akbarzadeh, AN Shamkhali, E Mehrjouei Physical Chemistry Chemical Physics ۲۰۱۷, ۱۹, ۳۷۶۳-۳۷۶۹

Au n Pd m nanoclusters supported on bundles of nanotubes and graphite surface: A comprehensive molecular dynamics study

H Akbarzadeh, AN Shamkhali, M Abbaspour, S Salemi, E Khomarian Journal of Alloys and Compounds ۲۰۱۶, ۶۸۷, ۴۳۱-۴۴۱

Equation of state and some structural and dynamical properties of the confined Lennard-Jones fluid into carbon nanotube: A molecular dynamics study

M Abbaspour, H Akbarzadeh, S Salemi, M Abroodi Physica A: Statistical Mechanics and its Applications ۲۰۱۶, ۴۶۲, ۱۰۷۵-۱۰۹۰

A modified thermodynamic insight to deliquescence of a void-containing nanocrystal confirmed by MD simulation

H Akbarzadeh, M Abbaspour, S Salemi, A Masoumi, AN Shamkhali *AIChE Journal* ۲۰۱۶, ۶۲, ۴۰۶۶-۴۰۷۷

Mo nanocluster under high pressure: A molecular dynamics study

H Akbarzadeh, M Abbaspour *Journal of Molecular Liquids* ۲۰۱۶, ۲۲۲, ۶۴۸-۶۵۵

Molecular dynamics simulation of noble gas adsorption on graphite: New effective potentials including many-body interactions

M Abbaspour, H Akbarzadeh, S Salemi, M Sherafati *Journal of Molecular Liquids* ۲۰۱۶, ۲۲۲, ۹۱۵-۹۲۲

Nanotube diameter dependency of anisotropic pressure of an ionic liquid confined in a carbon nanotube A molecular dynamics study for [emim][PF₆] case

H Akbarzadeh, M Abbaspour, E Khomarian *Journal of Molecular Liquids* ۲۰۱۶, ۲۲۵, ۳۳۵-۳۳۷

Investigation of size dependence of the properties of Cu nanoclusters using molecular dynamics simulations

H Akbarzadeh, M Abbaspour *Journal of Molecular Liquids* ۲۰۱۶, ۲۱۹, ۱۵۸-۱۶۴

Investigation of melting and freezing of Ag–Au alloy nanoclusters supported on carbon nanotube using molecular dynamics simulations

H Akbarzadeh, M Abbaspour *Journal of Molecular Liquids* ۲۰۱۶, ۲۱۶, ۶۷۱-۶۸۲

Adsorption of He–Ar binary mixture on the silver nanoclusters: A molecular dynamics investigation on the effects mole fraction of mixture, shape and size of the nano

H Akbarzadeh, AN Shamkhali, F Taherkhani *Journal of Molecular Liquids* ۲۰۱۶, ۲۱۶, ۱۱۱-۱۱۶

Nano-confined ionic liquid [emim][PF₆] between graphite sheets: A molecular dynamics study

S Salemi, H Akbarzadeh, S Abdollahzadeh *Journal of Molecular Liquids* ۲۰۱۶, ۲۱۵, ۵۱۲-۵۱۹

Phase transition in crown-jewel structured Au–Ir nanoalloys with different shapes: a molecular dynamics study

H Akbarzadeh, M Abbaspour, E Mehrjouei *Physical Chemistry Chemical Physics* ۲۰۱۶, ۱۸ ۲۵۶۷۶-۲۵۶۸۶

A comprehensive study of methane/carbon dioxide adsorptive selectivity in different bundle nanotubes

H Akbarzadeh, M Abbaspour *RSC Advances* ۲۰۱۶, ۶, ۶۹۸۴۵-۶۹۸۵۴

A molecular dynamics study of the effect of the substrate on the thermodynamic properties of bound Pt–Cu bimetallic nanoclusters

H Akbarzadeh, AN Shamkhali, M Abbaspour, S Salemi, Z Attaran *Physical Chemistry Chemical Physics* ۲۰۱۶, ۱۸ ۲۱۷۳۵-۲۱۷۳۶

Investigation of thermal, structural and dynamical properties of (Au_x–Cu_y–Ni_z) N= ۳۲,۱۰۸,۲۵۶ ternary nanosystems: effect of Au addition to Cu–Ni bimetallic nanocl

H Akbarzadeh, M Abbaspour, E Mehrjouei *RSC Advances* ۲۰۱۶, ۶, ۶۷۶۱۹-۶۷۶۲۹

Propene adsorption on gold–palladium nanoalloys supported on bundle nanotubes

H Akbarzadeh, M Abbaspour, E Khomarian *RSC Advances* ۲۰۱۶, ۶ ۶۶۲۷۵-۶۶۲۸۷

Properties of silver nanoclusters and bulk silver, using a new and accurate HFD-like potential, including many-body interactions: the inversion scheme and molecular dynamics

M Abbaspour, H Akbarzadeh, S Salemi, A Sotoudeh RSC Advances 2016, 6, 43944-43956

Carbon monoxide adsorption on the single-walled carbon nanotube supported gold–silver nanoalloys

H Akbarzadeh, M Abbaspour, S Salemi New Journal of Chemistry 2016, 40 310-319

Effects of diameter and chirality on structural and dynamical behavior of [EMIM][PF₆] encapsulated in carbon nanotube: A molecular dynamics study

H Akbarzadeh, M Abbaspour Journal of Molecular Liquids 2016, 212, 423-429

Investigation of Thermodynamic, Dynamic, and Structural Properties of H₂ Adsorption on a Ag–Au Nanoalloy with a Carbon Nanotube Support

H Akbarzadeh, M Abbaspour, S Salemi, M Dastoorani ChemPhysChem 2016, 16 1676-1682

Temperature and doping effect on thermal conductivity of copper–gold icosahedral bimetallic nanoclusters and bulk structures

F Taherkhani, Z Parviz, H Akbarzadeh, A Fortunelli The Journal of Physical Chemistry C 2016, 119 7922-7932

H₂ adsorption on Ag-nanocluster/single-walled carbon nanotube composites: A molecular dynamics study on the effects of nanocluster size, diameter, and chirality

H Akbarzadeh, AN Shamkhali Journal of computational chemistry 2016, 36 433-440

A new and accurate expression for the radial distribution function of confined Lennard-Jones fluid in carbon nanotubes

M Abbaspour, H Akbarzadeh, M Abroodi RSC Advances 2016, 6, 96781-96787

Molecular dynamics investigation on the deliquescence of NH₃ and Cl and NH₃ and NO₂ nanoparticles under atmospheric conditions

H Akbarzadeh, AN Shamkhali, M Abbaspour, S Salemi RSC Advances 2016, 6 38346-38353

Investigation of thermal evolution of copper nanoclusters encapsulated in carbon nanotubes: a molecular dynamics study

H Akbarzadeh, M Abbaspour, S Salemi, M Abroodi Physical Chemistry Chemical Physics 2016, 17 12747-12759

Melting behavior of (Pd x Pt 1– x) n nanoclusters confined in single-walled carbon nanotubes: a molecular dynamics investigation on the effects of chirality and diameter

H Akbarzadeh, AN Shamkhali RSC Advances 2016, 6 23160-23167

Disorder effect on heat capacity, self-diffusion coefficient, and choosing best potential model for melting temperature, in gold–copper bimetallic nanocluster with 100 atoms

F Taherkhani, H Akbarzadeh, M Feyzi, HR Rafiee Journal of Nanoparticle Research 2016, 17, 29

Size dependence of the equation of state for Ne nanoclusters from an effective two-body potential via molecular dynamics simulations

H Akbarzadeh, M Abbaspour RSC Advances 2016, 6 11297-11304

Investigation of the melting of ionic liquid [emim][PF₆] confined inside carbon nanotubes using molecular dynamics simulations

H Akbarzadeh, M Abbaspour, S Salemi, S Abdollahzadeh RSC Advances ۲۰۱۵, ۵ ۳۸۶۸-۳۸۷۴

Chemical ordering effect on melting temperature, surface energy of copper–gold bimetallic nanocluster

F Taherkhani, H Akbarzadeh, H Rezaei Journal of Alloys and Compounds ۲۰۱۴, ۶۱۷, ۷۴۶-۷۵۰

Accurate melting temperatures for Ne nanoclusters and bulk from an effective two-body potential via molecular dynamics simulations

M Abbaspour, H Akbarzadeh Fluid Phase Equilibria ۲۰۱۴, ۳۸۱, ۹۰-۹۴

Adsorption of He gas on the Ag_n nanoclusters: A molecular dynamic study

H Akbarzadeh, M Mohammadzadeh Fluid Phase Equilibria ۲۰۱۴, ۳۷۹, ۱۷۵-۱۷۹

CO adsorption on Ag nanoclusters supported on carbon nanotube: a molecular dynamics study

H Akbarzadeh, H Yaghoobi, AN Shamkhali, F Taherkhani The Journal of Physical Chemistry C ۲۰۱۴, ۱۱۸ ۹۱۸۷-۹۱۹۵

Investigation of thermal behavior of graphite-supported Ag nanoclusters of different sizes using molecular dynamics simulations

H Akbarzadeh, H Yaghoobi, S Salemi Fluid Phase Equilibria ۲۰۱۴, ۳۶۵, ۶۸-۷۳

Molecular dynamics simulations of silver nanocluster supported on carbon nanotube

H Akbarzadeh, H Yaghoobi Journal of colloid and interface science ۲۰۱۴, ۴۱۸, ۱۷۸-۱۸۴

A molecular dynamics investigation of hydrogen adsorption on Ag–Cu bimetallic nanoclusters supported on a bundle of single-walled carbon nanotubes

AN Shamkhali, H Akbarzadeh RSC Advances ۲۰۱۴, ۴ ۶۰۸۶۶-۶۰۸۷۲

Intracellular viral infection kinetics using a stochastic approach

F Taherkhani, F Taherkhani, H Rezaei, H Akbarzadeh Progress in Reaction Kinetics and Mechanism ۲۰۱۳, ۳۸ ۳۵۹-۳۷۶

Effects of gas adsorption on the graphite-supported Ag nanoclusters: a molecular dynamics study

H Akbarzadeh, H Yaghoobi, AN Shamkhali, F Taherkhani The Journal of Physical Chemistry C ۲۰۱۳, ۱۱۷ ۲۶۲۸۷-۲۶۲۹۴

Study of two dimensional anisotropic Ising models via a renormalization group approach

F Taherkhani, H Akbarzadeh, H Abroshan, S Ranjbar, A Fortunelli, ... Physica A: Statistical Mechanics and its Applications ۲۰۱۳ ۵۶۱۴-۵۶۰۴ ,(۲۲) ۳۹۲

Permutation entropy and detrend fluctuation analysis for the natural complexity of cardiac heart interbeat signals

F Taherkhani, M Rahmani, F Taherkhani, H Akbarzadeh, H Abroshan Physica A: Statistical Mechanics and its Applications ۲۰۱۳ ۳۱۱۲-۳۱۰۶ ,(۱۴) ۳۹۲

Cluster size dependence of surface energy of Ni nanoclusters: a molecular dynamics study

H Akbarzadeh, F Taherkhani Chemical Physics Letters ۲۰۱۳, ۵۵۸, ۵۷-۶۱

Dependence of self-diffusion coefficient, surface energy, on size, temperature, and Debye temperature on size for aluminum nanoclusters

F Taherkhani, H Akbarzadeh, H Abroshan, A Fortunelli Fluid Phase Equilibria ۲۰۱۲, ۳۳۵, ۲۶-۳۱

Spin coupling and magnetic field effects on the finite-size free energy and its non-extensivity for 1-D Ising model with nearest and next-nearest neighbor interactions

F Taherkhani, H Abroshan, H Akbarzadeh, A Fortunelli *Phase Transitions* 2012, 85 577-591

Denaturation of Drew–Dickerson DNA in a high salt concentration medium: Molecular dynamics simulations

C Izanloo, GA Parsafar, H Abroshan, H Akbarzadeh *Journal of computational chemistry* 2011, 32 3354-3371

Calculation of thermodynamic properties of Ni nanoclusters via selected equations of state based on molecular dynamics simulations

H Akbarzadeh, H Abroshan, F Taherkhani, GA Parsafar *Solid State Communications* 2011,151, 975-976

Investigation of magnetic field effect on surface and finite-site free energy in one-dimensional Ising model of nanosystems

F Taherkhani, H Abroshan, H Akbarzadeh, G Parsafar, A Fortunelli *Phase Transitions* 2011, 84, 713-723

Density and Temperature Dependencies of Liquid Surface Tension

H Alizadeh Osgouei, GA Parsafar, H Akbarzadeh *Iranian Journal of Chemistry and Chemical Engineering (IJCCE)* 2011, 30, 79-90

Size dependence and effect of potential parameters on properties of nano-cavities in liquid xenon using molecular dynamics simulation

H Akbarzadeh, H Abroshan, F Taherkhani, C Izanloo, GA Parsafar *Chemical Physics* 2011, 381, 44-48

Effect of water–methanol content on the structure of Nafion in the sandwich model and solvent dynamics in nano-channels; a molecular dynamics study

H Abroshan, H Akbarzadeh, F Taherkhani, G Parsafar *Molecular Physics* 2011, 109, 709-724

On the existence of an analytic solution to the 1-D Ising model with nearest and next-nearest neighbor interactions in the presence of a magnetic field

F Taherkhani, E Daryaei, H Abroshan, H Akbarzadeh, G Parsafar, ... *Phase Transitions* 2011, 84, 77-84

Effect of a monomeric sequence on the structure of hydrated Nafion in the sandwich model and solvent dynamics in nano-channels: a molecular dynamic study

H Abroshan, H Akbarzadeh, F Taherkhani, G Parsafar *Molecular Physics* 2010, 108, 3393-3404

Molecular dynamics simulation and MM–PBSA calculations of sickle cell hemoglobin in dimer form with Val, Trp, or Phe at the lateral contact

H Abroshan, H Akbarzadeh, GA Parsafar *Journal of Physical Organic Chemistry* 2010, 23, 876-877

Surface free energy of platinum nanoparticles at zero pressure: A molecular dynamic study

H Akbarzadeh, H Abroshan, GA Parsafar *Solid State Communications* 2010, 150, 254-257

A molecular-dynamics study of thermal and physical properties of platinum nanoclusters

H Akbarzadeh, GA Parsafar *Fluid Phase Equilibria* 2009, 280 17-21

Using molecular dynamic simulation data of calcite in a wide pressure range to calculate some of its thermodynamic properties via some universal equations of state

H Akbarzadeh, M Shokouhi, GA Parsafar *Molecular Physics* 2008,107, 2545-2557

- پدیده‌های سطحی در مقیاس نانو (محسن عباسپور- حامد اکبرزاده)

ناشر: دانشگاه حکیم سبزواری

تاریخ: ۱۳۹۹

سوابق اجرایی

ریاست دانشکده علوم پایه دانشگاه حکیم سبزواری

آغاز همکاری از: آذر ۱۳۹۸

مدیر گروه شیمی دانشگاه حکیم سبزواری

آغاز همکاری از: بهمن ۱۳۹۶ - پایان همکاری: آذر ۱۳۹۸

عضو شورای پژوهشی دانشگاه حکیم سبزواری

آغاز همکاری از: اردیبهشت ۱۳۹۶