

رویا مجیدی



اطلاعات تماس

آدرس:

دانشکده علوم پایه دانشگاه تربیت دبیر
شهید رجایی، لویزان، تهران، ایران

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موقعیت کنونی

دانشیار گروه فیزیک دانشگاه تربیت دبیر شهید رجایی

تحصیلات

دکتری (۱۳۸۵-۱۳۹۰)

فیزیک ماده چگال

دانشگاه شهید بهشتی، تهران، ایران

استاد راهنما: محمدمهدی طهرانچی، کراسوس غفوری تبریزی

عنوان پایان نامه:

Influence of Temperature and Light on
Magnetotransport of Domain Wall in Nanowires.

کارشناسی ارشد (۱۳۸۲-۱۳۸۵)

فیزیک ماده چگال

دانشگاه بین‌المللی امام خمینی، قزوین، ایران

استاد راهنما: سیف اله جلیلی، محمدرضا خانلری

عنوان پایان نامه:

The study of gas adsorption on carbon nanotubes
using molecular dynamics simulations and
quantum mechanics calculations.

کارشناسی (۱۳۷۷-۱۳۸۱)

فیزیک ماده چگال

دانشگاه آزاد اسلامی، واحد تهران مرکزی، ایران

سوابق اجرایی

۱۴۰۰-۱۴۰۳	معاون پژوهشی و فناوری دانشکده علوم پایه
۱۳۹۸-۱۴۰۲	عضو شورای انتشارات دانشگاه تربیت دبیر شهید رجایی
۱۳۹۸-۱۴۰۰	معاون آموزشی و پژوهشی دانشکده علوم پایه
۱۳۹۷-۱۳۹۸	مدیر گروه فیزیک
۱۳۹۷-۱۳۹۹	استاد مشاور در امور دانشجویان شاهد و ایثارگر

جوایز و افتخارات

۱۴۰۱	نشان درجه یک پژوهش، دانشگاه تربیت دبیر شهید رجایی
۱۴۰۰	مدیر اجرایی برتر دانشگاه در امور اجرایی حوزه پژوهش و فناوری، دانشگاه تربیت دبیر شهید رجایی
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۱۳۹۸	استاد مشاور شایسته تقدیر شاهد و ایثارگر، دانشگاه تربیت دبیر شهید رجایی
۱۳۹۷	پژوهشگر برتر دانشگاه تربیت دبیر شهید رجایی
۱۳۹۷	استاد نمونه دانشگاه تربیت دبیر شهید رجایی
۱۳۹۵	پژوهشگر برتر دانشگاه تربیت دبیر شهید رجایی
۱۳۹۲	پژوهشگر برتر دانشگاه تربیت دبیر شهید رجایی
۱۳۹۲	پوستر برتر در پنجمین کنفرانس بین المللی نانوساختارها
۱۳۸۵	دانشجوی برتر (رتبه ۱) دانشگاه بین المللی امام خمینی قزوین
۱۳۸۲	دانشجوی برتر (رتبه ۳) دانشگاه آزاد اسلامی واحد تهران مرکزی
۱۴۰۱	قرار گرفتن در لیست دو درصد دانشمندان برتر جهان به گزارش اسکوپوس
۱۴۰۰	قرار گرفتن در لیست دو درصد دانشمندان برتر جهان به گزارش اسکوپوس
۱۳۹۹	قرار گرفتن در لیست دو درصد دانشمندان برتر جهان به گزارش اسکوپوس

موضوعات تحقیقاتی مورد علاقه

فیزیک ماده چگال
نانوساختارهای کربنی
مطالعه خواص نانومواد با استفاده از نظریه تابعی چگالی

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10. The 2th International Conference on Nanotechnology, Istanbul, Turkey (2014)
“Helium Adsorption on Homogenous Carbon Nanotube Bundles”
R. Majidi and A.R. Karami

11. The 2th International Conference on Nanotechnology, Istanbul, Turkey (2014)
"TCNE and TDAE adsorption on Graphyne"
A.R. Karami and **R. Majidi**
12. The 3th workshop on OpenMX/QMAS, Tokyo, Japan (2015)
"Adsorption of NO₂ on graphyne nanotube: A density functional theory study"
R. Majidi and A.R. Karami
13. Nanomeeting 2015, Minsk, Belarus (2015)
"Electronic properties of oxygen doped graphyne"
R. Majidi, A.R. Karami and M. Ghamooshi Ramandi
14. Nanomeeting 2015, Minsk, Belarus (2015)
"Helium adsorption on homogenous and heterogeneous bundles of carbon nanotubes"
A.R. Karami, **R. Majidi** and N. Jodaee Asl
15. 3th OpenMX.QMAS workshop, Japan (2015)
"Adsorption of NO₂ on graphyne nanotube: A density functional theory study"
R. Majidi and A.R. Karami
16. 3th OpenMX.QMAS workshop, Japan (2015)
"Adsorption of NO₂ on graphyne nanotube: A density functional theory study"
R. Majidi and A.R. Karami
17. 18th International workshop on computational physics and materials science, Trieste, Italy (2017)
"Electronic properties of BN-doped T graphene: A density functional theory study"
R. Majidi
18. Nanomeeting 2017, Minsk, Belarus (2017)
"Porous graphene sheet for detecting small amounts of nicotine: A density functional theory study"
R. Majidi

کنفرانس‌های ملی

1. The Iranian Physics Seminar, Shahrod University, Iran, Shahrivar 6-9 (1385).
"The Effect of Gas Adsorption on Electronic Properties of Carbon Nanotubes"
2. The 8th Iranian Physical Chemistry Seminar, Ferdowsi University of Mashhad, Iran, November 21-24 (2005).

“The Effect of Gas Adsorption on Carbon Nanotubes Properties”

3. The 9th Iranian Physical Chemistry Seminar, Guilan University, Rasht-Zibakenar, Iran, June 13-15 (2006).
“The Effect of Atomic Hydrogen Adsorption on Single-Walled Carbon Nanotubes Properties”
4. The 10th Iranian Physical Chemistry Seminar, University of Isfahan, Iran, April 23-26 (2007).
“Atomic and Molecular Oxygen Adsorption on Sodium Nano Clusters”
5. The 14th Meeting on Condensed Matter Physics, Institute for Advanced Studies in Basic Sciences, Gave Zang, Zanjan, Iran, May 22-23 (2008)
“The Effect of Gas Adsorption on the Electronic Properties of MgO and Ca-doped MgO”
6. The 11th Iranian Physical Chemistry Seminar, Ardabil-University of Mohaghegh Ardabili, Iran, July 21-24 (2008)
“The Effect of Impurity on Electronic Properties of Mg”
7. The 12th Iranian Physical Chemistry Seminar, Kordestan-University of Sanandaj, Iran, July (2009)
“Stability and Electronic Properties of Magnesium Hydride Nano Clusters”
8. The 12th Iranian Physical Chemistry Seminar, Kordestan-University of Sanandaj, Iran, July (2009)
“Electronic Properties of Boron Nitride and Carbon double-wall hetero nanotubes”
9. The 9th Iranian Condensed Matter Conference, Shahid chamran University, Ahvaz, Iran, Bahman (1387)
“Electronic Properties of Boron Nitride and Carbon double-wall hetero nanotubes”
10. The 16th Iranian Conference on Optics and Photonics, Yazd University, Yazd, Iran, January (2010-1388)
“Optical Controlled Domain Wall Resistance in Magnetic Nanowires”
11. Seminar on Nano-Computing, Shahid Rajaei Teacher Training University, Iran, Aban (1389)
“The Study of Noble Gas Adsorption on Carbon Nanotube Bundles using Molecular Dynamics Simulations”
12. The 9th Iranian Condensed Matter Conference, Shiraz University, Shiraz, Iran, Bahman (1389)
“The Effect of Non-Polar Optical Phonons on Domain Wall Magnetoresistance”

13. The 9th Iranian Condensed Matter Conference, Shiraz University, Shiraz, Iran, Bahman (1389)
“Study of Xenon Adsorption on Carbon Nanotube Bundle using Molecular Dynamics Simulations”
14. The 18th Iranian Conference on Optics and Photonics, Tabriz University, Tabriz, Iran, Bahman (2012-1390)
“The Effect of Light on Magnetoresistance of 90° and 180° Domain Walls”
R. Majidi and M.M. Tehranchi
15. The 11th Iranian Conference on Nanotechnology, Amir Kabir University, Tehran, Iran, Esfand (1389)
“The Effect of Light on Magnetoresistance of Domain Wall in Metallic Nanowires”
R. Majidi, M.M. Tehranchi, A. Phirouznia, and K. Ghafoori Tabrizi
16. The 4th International Conference on Nanostructures, Kish, Iran, Esfand (1390)
“Magnetoresistance of non-180 Domain Wall in Metallic Nanowires”
R. Majidi, S. Ghanbarzadeh, N. Jodaeeasl
17. The 4th International Conference on Nanostructures, Kish, Iran, Esfand (1390)
“Molecular Dynamics Simulation of Helium Adsorption on carbon Nanocones with Disclination angle of 240 and 300”
R. Majidi and M.M. Tehranchi
18. The 4th National Conference on Education, Shahid Rajaee Teacher Training University, Iran, May-Ordibehesht (2012-1391)
“Improvement of Teaching Physics to Engineering Students with Problem Based Learning”
R. Majidi
19. 19th Spring Physics Conference, Institute for Research in Fundamental Sciences (IPM), Iran, May-Ordibehesht (2012-1391)
“Influence of Temperature on Resistance of Domain Wall in Metallic Nanowires”
R. Majidi and M.M. Tehranchi
20. 11th Iranian Condensed Matter Conference, Shahrod, Iran, Bahman (1391)
“Effect of Oxygen Impurity on Electronic Properties of Graphyne”
R. Majidi, M. Neek-Amal, M. Ghamooshi Ramandi
21. 11th Iranian Condensed Matter Conference, Shahrod, Iran

Bahman (1391)

“Molecular Dynamics Simulation of Gas Adsorption on Heterogeneous Carbon Nanotube bundle”

R. Majidi, N. Jodaiee, R. Rashidi

22. The 11th Iranian Conference on Nanotechnology, Iran, Dey (1392)

“Effect of Boron Impurity on Electronic Properties of Graphyne”

M. Ghamooshi Ramandi, **R. Majidi**, M. Neek-Amal

23. The 11th Iranian Conference on Nanotechnology, Iran, Dey (1392)

“Molecular Dynamics Simulation of Gas Adsorption on Heterogeneous Carbon Nanotube bundle”

N. Jodaiee, **R. Majidi**, R. Rashidi

24. 8th Educational Chemistry Conference, Semnan, Iran, Shahrivar (1392)

“ارایه روشی جامع برای موازنه واکنش های شیمیایی و بررسی کارایی آن بر پیشرفت تحصیلی دانش آموزان سوم دبیرستان”

A.R. Karami, K. Asfini Farahani, **R. Majidi**

25. The 15th Iranian Conference on Nanotechnology, Tehran, Iran, Ordibehesht (1393)

“Effect of Nitrotyrosine on the Electronic Properties of Carbon Nanotubes”

R. Majidi, M. Mohammadi

26. 21th Spring Physics Conference, Institute for Research in Fundamental Sciences (IPM), Iran, Ordibehesht (1393)

“Effect of TCNE on Electronic Properties of Graphyne”

R. Majidi, A.R. Karami

27. 13th Iranian Condensed Matter Conference, Isfahan, Iran, Bahman (1393)

“Study N₂ and O₂ adsorption on carbon nanocones using molecular dynamics simulations”

R. Majidi and Kh. Mansori

28. 22th Spring Physics Conference, Institute for Research in Fundamental Sciences (IPM), Iran, Ordibehesht (1394)

“Nitrotyrosine adsorption on pristine and Al-doped carbon nanotubes”

R. Majidi, A.R. Karami

۱. راهنمای مسائل فیزیک حالت جامد،

رویا مجیدی، حمید افتخاری

چاپ اول (۱۳۹۳)

۲. دستور کار آزمایشگاه فیزیک پایه ۱،

رویا مجیدی، حسین بداغی، مرضیه عبدالملکی

چاپ اول (۱۳۹۹)

۳. دستور کار آزمایشگاه فیزیک پایه ۱،

رویا مجیدی، حسین بداغی، مرضیه عبدالملکی

چاپ سوم (۱۴۰۲)

۴. فیزیک محاسباتی،

رویا مجیدی، فرزانه بابایی

ترجمه

چاپ اول (۱۳۹۹)

۵. نانوساختارهای کربنی،

رویا مجیدی

تصنیف

چاپ اول (۱۴۰۱)

انتشارات دانشگاه شهید رجایی

سایر فعالیت‌های پژوهشی

مجری ۱ طرح پژوهشی برون دانشگاهی

مجری بیش از ۱۰ طرح پژوهشی درون دانشگاهی

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