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زمینه های تخصصی

فیزیک ماده چگال و نانوفیزیک تجربی

سوابق کاری و فعالیت های اجرایی

معاون آموزشی پردیس علوم از سال 1399 تاکنون

سرپرست موسسه علوم و فناوریهای کوانتومی دانشگاه تهران از سال 1399 تاکنون

دبیر کنفرانس فیزیک ایران - سال 1397

معاون پژوهشی دانشکده فیزیک از سال 1396 تا 1399

عضو کمیته تخصصی فیزیک دفتر گسترش و برنامه ریزی وزارت علوم از سال 1394 تا 1401

مدیر گروه حالت جامد از سال 1394 تا سال 1396

عضو کمیته تخصصی علوم و فناوری نانو دفتر گسترش و برنامه ریزی وزارت علوم از سال 1394 تا سال 1396

همکاری در کمیته تدوین سند راهبردی و نقشه راه فناوری نانو در صنعت برق- سال 1395

کمیته علمی کنفرانس فیزیک ایران و کنفرانس ماده چگال انجمن فیزیک ایران- چندین دوره

جوایز و افتخارات

- برنده اولین جایزه دکتر علیمحمدی

- برنده جایزه پژوهشگر جوان برتر فرهنگستان علوم

- پژوهشگر جوان انجمن فیزیک

- پژوهشگر جوان دانشگاه تهران

- استاد نمونه آموزشی دانشگاه تهران

- فناور برتر منتخب جشنواره پژوهشی دانشگاه تهران

- عضو بنیاد ملی نخبگان

- عضو سرآمدان علمی کشور در 6 دوره

فعالیت‌های آموزشی-پژوهشی

راهنمایی ۷ رساله دکتری خاتمه یافته

راهنمایی بیش از 40 پایان نامه کارشناسی ارشد

مشاوره ۴ رساله دکتری خاتمه یافته

سرپرستی ۵ پژوهشگر پسادکتری

در حال حاضر 4 دانشجوی دکتری و دو پسادکتری در حال تحقیق هستند.

فعالیت های علمی

- تاسیس شرکت دانش بنیان و تولید محصولات فناورانه با سابقه بیش از 9 سال

- ارتباط علمی به عنوان ناظر، داور و مجری با معاونت علم و فناوری ریاست جمهوری- ستاد توسعه فناوری نانو-شرکت ملی نفت ایران-پژوهشگاه صنعت نفت و پژوهشگاه نیرو

- همکاری علمی 15 ماهه در دانشگاه کیل در قالب پروپوزال DFG

چاپ مقالات، اختراعات، کتاب و شرکت در کنفرانسها به شرح زیر:

journals:

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2. "Anomalous tip growth of carbon nanotubes on silicon substrates using a PECVD method" *presented at 207th Meeting of the Electrochemical Society, Inc. (ECS)- Quebec City, Canada May 15-20, 2005*

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21. " PECVD grown vertically embedded CNTs for field-emission displays and gated transistors"

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22. "Nano-scale MOSFET Devices Fabricated Using a Novel Carbon-Nanotube-based Lithography."

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24 Mahta Monshipouri, Yaser Abdi and Fatemeh Barati, "*Fabrication of a Novel TiO₂/CNT based Transistor*", 27th International Vacuum Nanoelectronics Conference(IVNC2014), Engelberg, Switzerland, July 2014.

25 Milad Behrooz, Mahta Monshipouri and Yaser Abdi "*Atomistic study of field emission current from graphene nano-ribbon and effect of strain on field emission current*", 29th International Vacuum Nanoelectronics Conference(IVNC2016), Vancouver, Canada, July 2016.

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29 Yaser Abdi. "Optical and electrical properties of borophene and borophene/silicon junction." German Physics Conference (DPG), March 2025 Bonn.

Invited talks

1- Seminar on Sensor Science and Technology (SSST 2015), Sharif University of Technology, on 5 November 2015. (An international conference)

2- International Conference on Recent Advances in Photovoltaics: Novel materials and device concepts for flexible and thin-film solar cells, September 28 - October 01, 2016 , Bukhara, Uzbekistan

3- 4th International Conference on Nanostructures (ICNS4), 12-14 March 2012, Kish Island, Iran

4- International Biennial Conference on Ultrafine Grained and Nanostructured Materials, 6-7 November, 2021, Iran-Italy Joint Conference.

5- FISMAT2025, Biennial conference on physics of materials, 7-11 July 2025, Venice, Italy.

سخنرانی مدعو ملی در ایران

۱- کنفرانس فیزیک ایران سال 1394

۲- کنفرانس ماده چگال ایران 1396

۳- گردهمایی بهاره فیزیک- زنجان 1397

۴- گردهمایی فیزیک ایران- دانشگاه تهران 1401

۵- کنفرانس مواد دو بعدی- تبریز 1394