

بسمه تعالی

آدرس: اردبیل، دانشگاه محقق اردبیلی،
دانشکده فنی و مهندسی

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مهندسی برق و کامپیوتر دانشگاه
محقق اردبیلی



تحصیلات:

- ۱۳۹۵-۱۳۹۲ دکترای مهندسی برق-الکترونیک (مدارات مجتمع نوری)، دانشگاه تبریز، تبریز، ایران
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طرح‌های پژوهشی و صنعتی:

- ۱- افزایش جریان نوری در سلول‌های خورشیدی پروسکایت با استفاده از نانوذرات پلاسمونیک، دانشگاه محقق اردبیلی
- ۲- بررسی تاثیر دما و فشار بر عملکرد آشکارسازهای نوری مادون قرمز برپایه‌ی ایندیم آنتیمونید، صنایع الکترونیک ایران
- ۳- بررسی بکارگیری و استفاده از انرژی‌های نو در صنایع شرکت تولیدی و صنعتی سوت ماشین، شرکت تولیدی و صنعتی سوت ماشین
- ۴- بررسی و بهبود عملکرد یک سلول خورشیدی لایه نازک سیلیکونی با به کاربردن نانو ذرات چند فلزی، دانشگاه محقق اردبیلی
- ۵- طراحی و بررسی عملکرد یک آشکارساز نوری بر پایه نقاط کوانتومی برای تشخیص همزمان چند طول موج

افتخارات و جوایز:

- ۱- جزو دانشمندان دو درصد برتر جهان در سال ۲۰۲۲
- ۲- جزو دانشمندان دو درصد برتر جهان در سال ۲۰۲۱
- ۳- جزو دانشمندان دو درصد برتر جهان در سال ۲۰۲۰
- ۴- گذراندن خدمت سربازی با استفاده از سهمیه بنیاد ملی نخبگان
- ۵- دریافت حمایت تشویقی از ستاد ویژه توسعه فناوری نانو برای ۶ مقاله آی اس آی

مقالات چاپ شده در مجلات معتبر بین‌المللی:

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موضوعات تحقیق :

- ۱- سلول های خورشیدی راندمان بالا بر پایه سیلیکون
- ۲- الکترونیک نوری و ادوات مبتنی بر ساختارهای نیمه هادی
- ۳- نانوالکترونیک و نانوفتونیک
- ۴- افزاره های الکترواپتیک و مدیریت نور با استفاده از نانوذرات پلاسمونیک
- ۵- بایوسنسورهای نوری مبتنی بر ساختارهای نانو
- ۶- انرژی های تجدید پذیر
- ۷- طراحی قطعات نوری با فتونیک های کریستالی

داور مجلات بین المللی:

- داور مجله ی Solar Energy از انتشارات Elsevier

- داور مجله ی Nano-Micro Letters

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