

Asst. Prof. Abdullah Özkartal

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Education Information

Doctorate, Van Yüzüncü Yil University, Fen Fak/Fen Bilimleri Enstitüsü, Fizik, Turkey 2009 - 2015

Foreign Languages

English, B1 Intermediate

Dissertations

Doctorate, Kimyasal Yüzey Temizleme İşleminin Sn/p-Si/Al Schottky Tipi Fotovoltaik Karakteristikleri Üzerine Etkileri, Van Yüzüncü Yil University, Fen Fakültesi, Fizik, 2015

Research Areas

Physics, Intensive Article 2: Electronic Structure, Electric, Magnetic and Optical Properties, Electronic structure of bulk material, Natural Sciences

Academic Titles / Tasks

Assistant Professor, –Seçiniz–, Fen Fakültesi, Fizik, 2016 - Continues

Academic and Administrative Experience

Van Yüzüncü Yil University, Fen Fakültesi, Fizik, 2016 - 2017

Courses

GENEL FİZİK II, Undergraduate, 2015 - 2016

Yarıiletken Malzemelerin Temelleri I, Postgraduate, 2016 - 2017

GENEL FİZİK I, Undergraduate, 2015 - 2016

GENEL FİZİK I, Undergraduate, 2015 - 2016

GENEL FİZİK II, Undergraduate, 2015 - 2016

Advising Theses

Özkartal A., Production of p-NiO/n-GaAs heterojunction structures by thermal evaporation method and their characterization, Postgraduate, D.THAER(Student), 2021

Özkartal A., Bi1.6Pb0.4Sr2Ca3Cu4O12 SÜPERİLETKENİN ÇUBUK FORMUNDA ÜRETİMİ VE KARAKTERİZASYONU, Postgraduate, O.Nuri(Student), 2018

Özkartal A., ORGANİK (METİL MORU) ARAYÜZEY TABAKANIN Sn/p-Si/Al SCHOTTKY DİYOTLARININ ELEKTRİKSEL KAREKTERİSTİKLERİ ÜZERİNE ETKİLERİ, Postgraduate, R.Hasan(Student), 2016

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Effects of thermal annealing on the characterization of p-NiO/n-GaAs heterojunctions produced by thermal evaporation**
Özkartal A., Noori D. T.
Journal of Materials Science: Materials in Electronics, 2021 (Journal Indexed in SCI Expanded)
- II. **Photovoltaic performance properties, DFT studies, and synthesis of (E)-3-(diphenxy) acrylic acid substituted phthalocyanine complexes**
Güngördü Solğun D., Yıldiko Ü., Özkartal A., Ağırtaş M. S.
Chemical Papers, 2021 (Journal Indexed in SCI Expanded)
- III. **Design of novel substituted phthalocyanines; synthesis and fluorescence, DFT, photovoltaic properties**
Ağırtaş M. S., Güngördü Solğun D., Yıldiko Ü., Özkartal A.
TURKISH JOURNAL OF CHEMISTRY, vol.44, no.6, pp.1574-1596, 2020 (Journal Indexed in SCI)
- IV. **Characterization of the ITO/p-Si/Al contacts produced by thermal evaporation**
Ozkartal A.
VACUUM, vol.168, 2019 (Journal Indexed in SCI)
- V. **Characterization of CuO/n-Si heterojunction solar cells produced by thermal evaporation**
Ozmentes R., Temirci C., Özkartal A., EJDERRHA K., YILDIRIM N.
MATERIALS SCIENCE-POLAND, vol.36, no.4, pp.668-674, 2018 (Journal Indexed in SCI)
- VI. **Relationship between photovoltaic and diode characteristic parameters in the Sn/p-Si Schottky type photovoltaics**
Özkartal A., Temirci C.
SOLAR ENERGY, vol.132, pp.96-102, 2016 (Journal Indexed in SCI)
- VII. **Measurements of K-shell X-ray production cross-sections and fluorescence yields for some elements in the atomic number range $28 \leq Z \leq 40$**
Yilmaz R., Tunc H., Ozkartal A.
RADIATION PHYSICS AND CHEMISTRY, vol.112, pp.83-87, 2015 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Ni/n-GaAs ve NiO/n-GaAs Diyotların Elektriksel Parametreleri Arasındaki İlişki**
ÖZKARTAL A., Noori D. T.
Bitlis Eren Üniversitesi Fen Bilimleri Dergisi, vol.10, no.2, pp.415-422, 2021 (Other Refereed National Journals)
- II. **Bi1.6Pb0.4Sr2Ca3Cu4O12Çubuk Şeklinde Üretilen Süperiletken Üzerinde Doğru Akım Tavlamanın Etkisi**
Özkartal A., ENİS O. N.
Van Yüzüncü Yıl Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.23, no.2, pp.123-128, 2018 (National Refreed University Journal)
- III. **Measurement of K-shell production cross-section and fluorescence yield for Y element**
Özkartal A., TUNÇ H., Yılmaz R., ÖZMEN T.
AMERICAN JOURNAL OF PHYSICS AND APPLICATION, vol.3, pp.1-5, 2015 (Refereed Journals of Other Institutions)

Refereed Congress / Symposium Publications in Proceedings

- I. **Optical and structural properties of ZnO thin films produced by thermal evaporation**
ÖZKARTAL A.
International Marmara Sciences Congress (Spring 2021) - IMASCONGRESS, Kocaeli, Turkey, 21 May 2021, pp.113
- II. **THE EFFECT OF ANNEALING ON NiO THIN FILM PRODUCED BY THERMAL EVAPORATION**
Özkartal A.
3RD INTERNATIONAL CONFERENCE ON PHYSICAL CHEMISTRY & FUNCTIONAL MATERIALS, Malatya, Turkey, 22 - 24 September 2020, pp.30
- III. **Electrical properties of Sn/Methyl Violet/p-Si/Al Schottky diodes**
Özkartal A., Ameen R. H. H. , Temirci C., TÜRÜT A.
International Congress on Semiconductor Materials and Devices (ICSMD), Konya, Turkey, 17 - 19 August 2017, vol.18, pp.1811-1818
- IV. **Ohmic and rectifier properties of Al/Ligand(N-APTH) and Al/Cu(II) complex contacts**
Secuk M. N. , Gökşen K., Temirci C., Gülcan M., Sönmez M., Özkartal A.
27th International Physics Congress, İstanbul, Turkey, 14 - 17 September 2010, pp.682

Supported Projects

Özkartal A., Project Supported by Higher Education Institutions, Production of p-NiO / n-GaAs HeteroJunction Contacts, Investigation of Photovoltaic and Electrical Properties, 2018 - 2021

Citations

Total Citations (WOS):30

h-index (WOS):5