

Prof. İSMAİL POLAT

Personal Information

Office Phone: [+90 462 377 8482](tel:+904623778482) Extension: 8482

Fax Phone: [+90 462 771 7251](tel:+904627717251)

Email: ipolat@ktu.edu.tr

Web: <https://avesis.ktu.edu.tr//ipolat>

Address: KTÜ Of Teknoloji Fakültesi Enerji Sistemleri Mühendisliği Bölümü Çamlı Mah. Hacı Mehmet Baheddin Ulusoy Cad.
No:144 61830 Of / TRABZON

International Researcher IDs

ORCID: 0000-0002-5134-0246

Publons / Web Of Science ResearcherID: AAT-4052-2020

ScopusID: 35181879900

Yoksis Researcher ID: 55549

Education Information

Doctorate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Fizik/Katıhal Fiziği, Turkey 2006 - 2011

Postgraduate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Fizik/Katıhal Fiziği, Turkey 2003 - 2006

Masters (Non-Thesis), Cukurova University, Orta Öğretim Alan Öğretmenliği, Turkey 2001 - 2003

Undergraduate, Karadeniz Technical University, Fen-Edebiyat Fakültesi, Fizik, Turkey 1997 - 2001

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, ZnS: Mn, Co ve Ni spintronik sistemlerinde bazı yapısal, optik ve manyetik özelliklerin incelenmesi, Karadeniz Technical University, -, Fizik, 2011

Postgraduate, Kimyasal püskürtme yöntemiyle elde edilen CdO ince filmlerinin bazı yapısal,elektriksel ve optik özelliklerinin incelenmesi, Karadeniz Technical University, -, Fizik, 2006

Research Areas

Physics, Intensive Article 2: Electronic Structure, Electric, Magnetic and Optical Properties, Electrical properties of electronic structures, interfaces, thin films and low-dimensional structures, Natural Sciences

Academic Titles / Tasks

Professor, Karadeniz Technical University, Of Teknoloji Fakültesi, Enerji Sistemleri Mühendisliği, 2021 - Continues

Associate Professor, Karadeniz Technical University, Of Teknoloji Fakültesi, Enerji Sistemleri Mühendisliği, 2015 - 2021

Assistant Professor, Karadeniz Technical University, Of Teknoloji Fakültesi, Enerji Sistemleri Mühendisliği, 2013 - 2015

Research Assistant, Karadeniz Technical University, Fen Fakültesi, Fizik, 2006 - 2013

Academic and Administrative Experience

Karadeniz Technical University, Of Teknoloji Fakültesi, Enerji Sistemleri Mühendisliği, 2016 - Continues

Karadeniz Technical University, Of Teknoloji Fakültesi, Enerji Sistemleri Mühendisliği, 2014 - 2016

Courses

MEASUREMENT TECHNIQUES, Undergraduate, 2021 - 2022

Temel Fizik, Undergraduate, 2020 - 2021

Fizik II, Undergraduate, 2020 - 2021

Enerji Laboratuvarı, Undergraduate, 2016 - 2017

Malzeme Bilgisi, Undergraduate, 2016 - 2017

Yenilenebilir Enerji Kaynakları, Undergraduate, 2015 - 2016

Jury Memberships

Post Graduate, Post Graduate, Recep Tayyip Erdoğan Üniversitesi, December, 2020

Post Graduate, Post Graduate, Recep Tayyip Erdoğan Üniversitesi, January, 2020

Post Graduate, Post Graduate, Recep Tayyip Erdoğan Üniversitesi, July, 2019

Post Graduate, Post Graduate, Recep Tayyip Erdoğan Üniversitesi, July, 2019

Post Graduate, Post Graduate, Recep Tayyip Erdoğan Üniversitesi, July, 2019

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Development of photovoltaic and photodetection characteristics in CdS/P3HT devices through Al-doping**
Törelİ S., Yılmaz S., TOMAKİN M., POLAT İ., BACAKSIZ E.
Materials Science and Engineering: B, vol.309, 2024 (SCI-Expanded)
- II. **Enhancement of the response speed of CIGS-based photodetector by Te-doping**
Yılmaz S., Başol B. M., Atasoy Y., POLAT İ., KÜÇÜKÖMEROĞLU T., BACAKSIZ E.
Sensors and Actuators A: Physical, vol.377, 2024 (SCI-Expanded)
- III. **Improving photovoltaic characteristics of CdS-based hybrid solar cells through Mn incorporation**
Doğan V., Yılmaz S., TOMAKİN M., Törelİ S., POLAT İ., BACAKSIZ E.
Journal of Photochemistry and Photobiology A: Chemistry, vol.453, 2024 (SCI-Expanded)
- IV. **Improvement in performance of SnSe-based photodetectors via post deposition sulfur diffusion**
Yılmaz S., Başol B. M., POLAT İ., Olğar M. A., BAYAZIT T., KÜÇÜKÖMEROĞLU T., BACAKSIZ E.
Sensors and Actuators A: Physical, vol.372, 2024 (SCI-Expanded)
- V. **Introduction of Co atoms into CdS thin films for improving photovoltaic properties**
Yılmaz S., Doğan V., TOMAKİN M., Törelİ S., POLAT İ., BACAKSIZ E.
Materials Today Communications, vol.39, 2024 (SCI-Expanded)
- VI. **Performance assessment of oxygenated CdS films-based photodetector**
POLAT İ., Yılmaz S., KÜÇÜKÖMEROĞLU T., TOMAKİN M., BACAKSIZ E.
Materials Today Communications, vol.38, 2024 (SCI-Expanded)
- VII. **Photodetector properties of CdSe thin films grown by close space sublimation method**
Olğar M. A., Başol B. M., POLAT İ., TOMAKİN M., KÜÇÜKÖMEROĞLU T., BACAKSIZ E.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.34, no.25, 2023 (SCI-Expanded)

- VIII. **Investigation of growth temperature effects on SnSe-based photodetector performance**
Yılmaz S., Başol B. M., POLAT İ., Çiriş A., KÜÇÜKÖMEROĞLU T., BACAKSIZ E.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.34, no.27, 2023 (SCI-Expanded)
- IX. **Facile synthesis and characterization of CdS thin films doped by yttrium atoms**
Yılmaz S., TOMAKİN M., POLAT İ., BACAKSIZ E.
APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, vol.129, no.8, 2023 (SCI-Expanded)
- X. **CdSe thin films-based photodetector doped with Cu, In and Ga atoms: a comparative work**
Yılmaz S., Polat İ., Tomakin M., Küçükömeroğlu T., Bacaksız E.
APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, vol.129, no.8, 2023 (SCI-Expanded)
- XI. **Fabrication of CdS nanospheres-based hybrid solar cells having increased efficiency**
Yılmaz S., Unverdi A., TOMAKİN M., POLAT İ., BACAKSIZ E.
APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, vol.128, no.3, 2022 (SCI-Expanded)
- XII. **Silver Doped Zinc Stannate (Ag-ZnSnO₃) for the Photocatalytic Degradation of Caffeine under UV Irradiation**
Anucha C. B., Altın İ., BACAKSIZ E., Stathopoulos V. N., POLAT İ., YAŞAR A., Yüksel Ö. F.
WATER, vol.13, no.9, 2021 (SCI-Expanded)
- XIII. **Synthesis, Characterization, and Photocatalytic Evaluation of Manganese (III) Phthalocyanine Sensitized ZnWO₄ (ZnWO₄MnPc) for Bisphenol A Degradation under UV Irradiation**
Anucha C. B., Altın İ., Bıyıklıoğlu Z., Bacaksız E., Polat İ., Stathopoulos V. N.
NANOMATERIALS, vol.10, no.11, 2020 (SCI-Expanded)
- XIV. **Structural, morphological, optical analyses of Ni-doped CdS thin films and their photovoltaic performance in hybrid solar cells**
Yılmaz S., Tomakin M., Unverdi A., Aydın A., POLAT İ., BACAKSIZ E.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.31, no.15, pp.12932-12942, 2020 (SCI-Expanded)
- XV. **Transparent and conductive CdS:Ca thin films for optoelectronic applications**
Yılmaz S., Polat İ., Tomakin M., Bacaksız E.
APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, vol.126, no.7, 2020 (SCI-Expanded)
- XVI. **Improved optical transparency of calcium-doped ZnO thin films**
POLAT İ., Yılmaz S., Tomakin M., BACAKSIZ E.
OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS, vol.13, pp.326-332, 2019 (SCI-Expanded)
- XVII. **Determination of optimum Er-doping level to get high transparent and low resistive Cd_{1-x}Er_xS thin films**
Yılmaz S., Polat İ., Tomakin M., Bacaksız E.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.30, no.6, pp.5662-5669, 2019 (SCI-Expanded)
- XVIII. **Surface modification of CBD-grown CdS thin films for hybrid solar cell applications**
Yılmaz S., UNVERDI A., Tomakin M., POLAT İ., BACAKSIZ E.
OPTIK, vol.185, pp.256-263, 2019 (SCI-Expanded)
- XIX. **A research on growth and characterization of CdS:Eu thin films**
Yılmaz S., POLAT İ., Tomakin M., BACAKSIZ E.
APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, vol.125, no.1, 2019 (SCI-Expanded)
- XX. **Optical and electrical optimization of dysprosium-doped CdS thin films**
Yılmaz S., POLAT İ., Tomakin M., TORELI S. B., KÜÇÜKÖMEROĞLU T., BACAKSIZ E.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.29, no.17, pp.14774-14782, 2018 (SCI-Expanded)
- XXI. **Sm-doped CdS thin films prepared by spray pyrolysis: a structural, optical, and electrical examination**
YILMAZ S., POLAT İ., TOMAKİN M., KÜÇÜKÖMEROĞLU T., TORELI S. B., BACAKSIZ E.
APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, vol.124, no.7, 2018 (SCI-Expanded)

- XXII. **An evaluation of structural, optical and electrical characteristics of Ag/ZnO rods/SnO₂/In-Ga Schottky diode**
KÜÇÜKÖMEROĞLU T., YILMAZ S., POLAT İ., BACAKSIZ E.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.29, no.12, pp.10054-10060, 2018 (SCI-Expanded)
- XXIII. **Enhancement in the optical and electrical properties of CdS thin films through Ga and K co-doping**
Yilmaz S., TORELI S. B., POLAT İ., OLGAR M. A., Tomakin M., BACAKSIZ E.
MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING, vol.60, pp.45-52, 2017 (SCI-Expanded)
- XXIV. **Physical properties of CdS:Ga thin films synthesized by spray pyrolysis technique**
Yilmaz S., POLAT İ., OLGAR M. A., Tomakin M., TORELI S. B., BACAKSIZ E.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.28, no.4, pp.3191-3199, 2017 (SCI-Expanded)
- XXV. **Cu(In,Ga)(Se,Te)₂ pentenary thin films formed by reaction of precursor layers**
Atasoy Y., BASOL B. M., POLAT İ., Tomakin M., PARLAK M., BACAKSIZ E.
THIN SOLID FILMS, vol.592, pp.189-194, 2015 (SCI-Expanded)
- XXVI. **The influence of Cu-doping on structural, optical and photocatalytic properties of ZnO nanorods**
Polat İ., Yılmaz S., Altın İ., BACAKSIZ E., Sökmen M.
MATERIALS CHEMISTRY AND PHYSICS, vol.148, no.3, pp.528-532, 2014 (SCI-Expanded)
- XXVII. **Effects of Na-doping on the efficiency of ZnO nanorods-based dye sensitized solar cells**
Polat İ.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.25, no.9, pp.3721-3726, 2014 (SCI-Expanded)
- XXVIII. **Optical and Structural Properties of Nanostructured CuIn_{0.7}Ga_{0.3}(Se_(1-x)Te_x)₂ Chalcopyrite Thin Films-Effect of Stoichiometry and Annealing**
Fiat S., POLAT İ., BACAKSIZ E., ÇANKAYA G., Koralli P., Manolakos D. E., Kompitsas M.
JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY, vol.14, no.7, pp.5002-5010, 2014 (SCI-Expanded)
- XXIX. **Synthesis and fabrication of Mg-doped ZnO-based dye-synthesized solar cells**
POLAT İ., Yılmaz S., BACAKSIZ E., Atasoy Y., Tomakin M.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.25, no.7, pp.3173-3178, 2014 (SCI-Expanded)
- XXX. **Structural, morphological, optical and electrical evolution of spray deposited ZnO rods co-doped with indium and sulphur atoms**
Yilmaz S., POLAT İ., Atasoy Y., BACAKSIZ E.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.25, no.4, pp.1810-1816, 2014 (SCI-Expanded)
- XXXI. **The effect of metal work function on the barrier height of metal/CdS/SnO₂/In-Ga structures**
Tascioglu I., Altindal S., POLAT İ., BACAKSIZ E.
CURRENT APPLIED PHYSICS, vol.13, no.7, pp.1306-1310, 2013 (SCI-Expanded)
- XXXII. **The influence of annealing temperature and tellurium (Te) on electrical and dielectrical properties of Al/p-CIGSeTe/Mo Schottky diodes**
Fiat S., POLAT İ., BACAKSIZ E., Kompitsas M., ÇANKAYA G.
CURRENT APPLIED PHYSICS, vol.13, no.6, pp.1112-1118, 2013 (SCI-Expanded)
- XXXIII. **Fabrication and structural, electrical characterization of i-ZnO/n-ZnO nanorod homojunctions**
YILMAZ Ş., BACAKSIZ E., POLAT İ., Atasoy Y.
CURRENT APPLIED PHYSICS, vol.12, no.5, pp.1326-1333, 2012 (SCI-Expanded)
- XXXIV. **Structural, optical and magnetic properties of Zn_{1-x}Mn_xO micro-rod arrays synthesized by spray pyrolysis method**
YILMAZ Ş., BACAKSIZ E., McGlynn E., POLAT İ., ÖZCAN Ş.
THIN SOLID FILMS, vol.520, no.16, pp.5172-5178, 2012 (SCI-Expanded)
- XXXV. **Structural and electrical characterization of rectifying behavior in n-type/intrinsic ZnO-based homojunctions**

Yilmaz S., POLAT İ., Altındal S., BACAKSIZ E.

MATERIALS SCIENCE AND ENGINEERING B-ADVANCED FUNCTIONAL SOLID-STATE MATERIALS, vol.177, no.8, pp.588-593, 2012 (SCI-Expanded)

XXXVI. Influence of the annealing atmosphere on structural, optical and magnetic properties of Co-doped ZnO microrods

Aksu S., BACAKSIZ E., YILMAZ Ş., POLAT İ., Altunbas M., Turksoy M., Topkaya R., ÖZDOĞAN K.

PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES, vol.44, pp.1244-1249, 2012 (SCI-Expanded)

XXXVII. ZnO and ZnS microrods coated on glass and photocatalytic activity

Altin İ., POLAT İ., BACAKSIZ E., Sokmen M.

APPLIED SURFACE SCIENCE, vol.258, no.11, pp.4861-4865, 2012 (SCI-Expanded)

XXXVIII. The influence of diffusion temperature on the structural, optical, and magnetic properties of nickel-doped zinc oxysulfide thin films

POLAT İ., Aksu S., Altunbas M., BACAKSIZ E.

PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE, vol.209, no.1, pp.160-166, 2012 (SCI-Expanded)

XXXIX. Structural, optical and magnetic properties of Mn diffusion-doped CdS thin films prepared by vacuum evaporation

Aksu S., BACAKSIZ E., PARLAK M., YILMAZ Ş., POLAT İ., Altunbas M., Turksoy M., Topkaya R., ÖZDOĞAN K.

MATERIALS CHEMISTRY AND PHYSICS, vol.130, pp.340-345, 2011 (SCI-Expanded)

XL. Microstructural, optical and magnetic properties of cobalt-doped zinc oxysulfide thin films

POLAT İ., Aksu S., Altunbas M., BACAKSIZ E.

MATERIALS CHEMISTRY AND PHYSICS, vol.130, pp.800-805, 2011 (SCI-Expanded)

XLI. The influence of diffusion temperature on the structural, optical and magnetic properties of manganese-doped zinc oxysulfide thin films

POLAT İ., Aksu S., Altunbas M., YILMAZ Ş., BACAKSIZ E.

JOURNAL OF SOLID STATE CHEMISTRY, vol.184, no.10, pp.2683-2689, 2011 (SCI-Expanded)

XLII. Preparation and characterization of new window material CdS thin films at low substrate temperature (< 300 K) with vacuum deposition

TOMAKİN M., Altunbas M., BACAKSIZ E., POLAT İ.

MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING, vol.14, no.2, pp.120-127, 2011 (SCI-Expanded)

XLIII. On the mechanism of current-transport in Cu/CdS/SnO₂/In-Ga structures

Uslu H., Altındal S., POLAT İ., Bayrak H., BACAKSIZ E.

JOURNAL OF ALLOYS AND COMPOUNDS, vol.509, no.18, pp.5555-5561, 2011 (SCI-Expanded)

XLIV. Fabrication of p-type CuSCN/n-type micro-structured ZnO heterojunction structures

BACAKSIZ E., AKSU S., Cankaya G., YILMAZ Ş., POLAT İ., KÜÇÜKÖMEROĞLU T., Varilci A.

THIN SOLID FILMS, vol.519, no.11, pp.3679-3685, 2011 (SCI-Expanded)

XLV. Structural and electrical characterization of ZnO-based homojunctions

BACAKSIZ E., Cankaya G., POLAT İ., YILMAZ Ş., DURAN C., Altunbas M.

JOURNAL OF ALLOYS AND COMPOUNDS, vol.496, pp.560-565, 2010 (SCI-Expanded)

XLVI. The influence of substrate temperature on the morphology, optical and electrical properties of thermal-evaporated ZnSe thin films

BACAKSIZ E., Aksu S., POLAT İ., YILMAZ Ş., Altunbas M.

JOURNAL OF ALLOYS AND COMPOUNDS, vol.487, pp.280-285, 2009 (SCI-Expanded)

Articles Published in Other Journals

I. Improved performance of CdS powder-based hybrid solar cells through surface modification

Ünverdi A., Yılmaz S., Tomakin M., Polat İ., Bacaksız E.

Gümüşhane Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.11, no.4, pp.1315-1323, 2021 (Peer-Reviewed Journal)

II. Exploration of impact of Cr-doping on physical and optical properties of CdS thinfilms in hybrid

photovoltaic cells

YILMAZ S., Ünverdi A., TOMAKİN M., Altay M., POLAT İ., BACAKSIZ E.

Turkish Journal of Materials, vol.5, no.1, pp.1-9, 2020 (Peer-Reviewed Journal)

III. Enhanced efficiency of CdS/P3HT hybrid solar cells via interfacial modification

Yilmaz S., POLAT İ., Tomakin M., UNVERDI A., BACAKSIZ E.

TURKISH JOURNAL OF PHYSICS, vol.43, no.1, pp.116-125, 2019 (ESCI)

IV. Role of Mg doping in the structural, optical, and electrical characteristics of ZnO-based DSSCs

POLAT İ., Yilmaz S., Tomakin M., BACAKSIZ E.

TURKISH JOURNAL OF PHYSICS, vol.41, no.2, pp.160-170, 2017 (ESCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **ZnO and ZnS microrods coated on glass and photocatalytic activity**
ALTIN İ., POLAT İ., BACAKSIZ E., SÖKMEN M.
7th Nanoscience and Nanotechnology Conference, Sabancı Üniversitesi, 27 June-01 July 2011, İstanbul, Turkey, pp.1
- II. **Structural, Optical and Photocatalytic Properties of Cu-ZnO and ZnO Nanorods**
ALTIN İ., Yılmaz S., POLAT İ., BACAKSIZ E., SÖKMEN M.
10th Nanoscience and Nanotechnology Conference, 17 June-21 June 2014, Yeditepe Üniversitesi, İstanbul, Turkey, pp.1
- III. **Investigation of Structural Properties of Cu(In,Ga)(Se_{1-y}Te_y)₂ Thin Films Prepared by Two-stage Technique**
Atasoy Y., Polat İ., Tomakin M., Bacaksız E.
6th International conference on materials science and nanotechnology for next generation (MSNG2019), Niğde, Turkey, 16 - 18 October 2019, pp.148
- IV. **Preparation and characterization of CdS:Ga and CdS:(Ga, K)thin films via spray pyrolysis**
TÖRELİ S. B., YILMAZ S., POLAT İ., TOMAKİN M., BACAKSIZ E.
2nd International Mediterranean Science and Engineering Congress, 25 - 27 October 2017
- V. **Thickness effects of Nb₂O₅ blocking layer on the performance of ZnO-based DSSCs**
POLAT İ., YILMAZ S., KÜÇÜKÖMEROĞLU T., TOMAKİN M., BACAKSIZ E.
2nd International Mediterranean Science and Engineering Congress, 2017 Adana Turkey, Adana, Turkey, 25 - 27 October 2017, pp.166-170
- VI. **Structural, Optical and Photocatalytic Properties of Cu-ZnO and ZnO Nanorods**
SÖKMEN M., ALTIN İ., YILMAZ S., POLAT İ., BACAKSIZ E.
Nanoscience and Nanotechnology Conference of Turkey (NanoTR 10), İstanbul, Turkey, 17 - 21 June 2014, pp.10
- VII. **Optical Properties of CuIn_{0.7}Ga_{0.3}Se_{2-y}Te_y Deposited with e Beam Evaporation at Different Annealing Temperatures**
ATASOY Y., AKSU S., POLAT İ., YILMAZ S., ALTINDAL Ş., KÜÇÜKÖMEROĞLU T., BACAKSIZ E.
Turkish Physical Society 28. International Physics Congress, Muğla, Turkey, 6 - 09 September 2011
- VIII. **ZnO and ZnS Microrods Coated on Glass and Photocatalytic Activity**
SÖKMEN M., ALTIN İ., BACAKSIZ E., POLAT İ.
7th Nanoscience and Nanotechnology Congress, İstanbul, Turkey, 27 June - 01 July 2011, pp.11

Supported Projects

Yılmaz S., Polat İ., Project Supported by Higher Education Institutions, Kalsiyum atomları içeren CdS örneklerin inorganik tabanlı güneş hücrelerinde kullanım potansiyelinin araştırılması, 2018 - 2020

POLAT İ., Project Supported by Higher Education Institutions, Nb₂O₅ tabanlı boya bazlı güneş pillerinin üretimi ve karakterizasyonu, 2016 - 2017

Altunbaş M., Polat İ., Project Supported by Higher Education Institutions, ZnS:Co spintronik sisteminde yapısal ve manyetik özelliklerin incelemesi, 2009 - 2011

Memberships / Tasks in Scientific Organizations

6th International Conference on Materials Science and Nanotechnology For Next Generation (MSNG2019), Member of Science Committee, 2019 - 2019, Turkey

International Conference on Chemical Energy and Semiconductor Photochemistry CESCOP2019, Member of Science Committee, 2019 - 2019, Turkey

Metrics

Publication: 58

Citation (WoS): 734

Citation (Scopus): 768

H-Index (WoS): 17

H-Index (Scopus): 18

Congress and Symposium Activities

The influence of substrate temperature on the structural and electrical characteristics of Au/p-CdTe/Al Schottky barrier diodes, Attendee, İstanbul, Turkey, 2014

Investigations on 2nd Generation Photovoltaic Cells based on Chalcopyrite Thin Film Absorbers., Attendee, Pátra, Greece, 2012

New Materials and Techniques for low cost and high efficiency Photovoltaic Cells., Attendee, Athína, Greece, 2011

Farklı Se/Te katkı oranlarının ($x=0.0, 0.2, 0.4, 0.6, 0.8, 1.0$) CuIn_{0.7}Ga_{0.3}Se_{2-x}Tex ince filmlerinin morfolojik ve optik özellikleri üzerine etkisi, Attendee, Ankara, Turkey, 2011

The Influence of annealing temperature on topographical and structural properties of CuIn_{0.7}Ga_{0.3}Se_{2-y}Tey Thin Films, Attendee, Muğla, Turkey, 2011

Optical Properties of CuIn_{0.7}Ga_{0.3}Se_{2-y}Tey Deposited with e-Beam Evaporation at Different Annealing Temperatures., Attendee, Muğla, Turkey, 2011

Effects of substrate temperature (< 300 K) and post-deposition annealing on the properties of evaporated CdS thin films., Attendee, İstanbul, Turkey, 2010

Structural Characterization of Zn_{1-x}CdxO Microrods Grown By Spray Pyrolysis., Attendee, Turkey, 2008

Effects of Film Deposition Time on the CdS Thin Films Prepared by Vacuum Evaporation Technique., Attendee, Muğla, Turkey, 2008

Effects of Source-Substrate Distance on the CdS Thin Films Prepared by Vacuum Evaporation Technique., Attendee, Turkey, 2008

Düşük Altılık Sıcaklığında (-73 °C) Üretilen CdTe İnce Filmlerinde CdCl₂/Tavlama'nın Kristal yapı Dönüşümüne Etkisi, Attendee, Malatya, Turkey, 2007

Non Academic Experience

ÖZEL AKÇAABAT FİNAL DERSANESİ