

Prof. Betül GÜZELDİR

Personal Information

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International Researcher IDs

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Education

Doctorate, Ataturk University, Fen Bilimleri Enst, Kathal Fiziği, Turkey 2005 - 2011

Undergraduate, Ataturk University, Fen Fakültesi, Fizik, Turkey 1999 - 2003

Dissertations

Doctorate, SILAR TEKNİĞİ İLE BÜYÜTÜLEN CdS İNCE FILMLERİN SANDVİÇ TİPİ DEVRE ELEMANLARI YAPIMINDA KULLANILMASI VE BU YAPILARIN KARAKTERİSTİKLERİNİN İNCELENMESİ , Atatürk Üniversitesi, Fen Bilimleri Enstitüsü, Kathal Fiziği, 2011

Research Areas

Nanotechnology, Optics and Photonics, Renewable energy, Dielectric Materials and Devices, Semiconducting Materials and Devices, Surfaces, Interfaces, Thin Films and Nanosystems

Academic Positions

Professor, Ataturk University, Fen Fakültesi, Fizik, 2022 - Continues

Associate Professor, Ataturk University, Fen Fakültesi, Fizik, 2015 - 2022

Academic and Administrative Experience

Head of Department, Ataturk University, Fen Fakültesi, Fizik, 2023 - Continues

Atatürk Üniversitesi, 2011 - 2017

Courses

Postgraduate

Organik Elektronik Aygit Fiziği ve Uygulamaları, Postgraduate, 2023 - 2024

MİKRO VE NANO YAPILI YARIİLETKEN AYGITLARIN ÜRETİLMESİ VE ELEKTRİKSEL KARAKTERİZASYONU, Postgraduate,

2015 - 2016

Undergraduate

Undergraduate, 2023 - 2024

Güneş Enerjisi, Undergraduate, 2023 - 2024

Fizik 1, Undergraduate, 2018 - 2019

FİZİK 1, Undergraduate, 2016 - 2017

Fizik 2, Undergraduate, 2016 - 2017

Katıhal Fiziği 1, Undergraduate, 2014 - 2015

Katıhal Fiziği 2, Undergraduate, 2014 - 2015

Supervised Theses

Güzeldir B., Au-Cu/n-GaAs/In ve Au-Ag/n-GaAs/In Schottky diyotların akım-voltaj ölçümelerinden elde edilen karakteristik parametreler üzerine numune sıcaklığının etkileri, Postgraduate, S. BOYLU(Student), 2019

Güzeldir B., Altın ve gümüş nanopartikülleri ile grafen oksit nanokompozitlerin büyütülmesi ve üretilen Au / AuNPs-GO / n-InP AND Ag / AgNPs-GO / n-InP yapılarının elektriksel özelliklerinin sıcaklığına bağlı olarak incelenmesi, Postgraduate, C. AYKAÇ(Student), 2019

Güzeldir B., Bazı metal ve合金/n-Si/Ti Schottky diyotlarının elektriksel karakteristikleri üzerine numune sıcaklığının etkileri, Postgraduate, Z. ORHAN(Student), 2018

Jury Memberships

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Atatürk Üniversitesi, December, 2023

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Atatürk Üniversitesi, November, 2023

Doctorate, Doctorate, Atatürk Üniversitesi, June, 2023

Doctoral Examination, Doctoral Examination, Atatürk Üniversitesi, May, 2023

Journal articles indexed in SCI, SSCI, and AHCI

I. Statistical analysis of characteristic parameters of graphene/p-Si junctions prepared under similar conditions

ÖZAKIN O., SAĞLAM M., GÜZELDİR B.

Physica B: Condensed Matter, vol.677, 2024 (SCI-Expanded)

II. Mixed halide perovskite compound thin film with large cation Guanidinium and applications: MIS (Au/GUAPbI_{3-x}Cl_x/p-Si/Al) and p-FET (Al/p-Si/SiO₂/GUAPbI_{3-x}Cl_x/Al)

Baltakesmez A., Güzeldir B.

Surfaces and Interfaces, vol.40, no.103066, pp.1-12, 2023 (SCI-Expanded)

III. Undoped p-type ZnTe thin film and thin film transistor channel performance

Baltakesmez A., Güzeldir B.

APPLIED PHYSICS A: MATERIALS SCIENCE AND PROCESSING, vol.129, no.134, pp.1-12, 2023 (SCI-Expanded)

IV. Microstructural properties of SiC thin film deposited by RF sputtering technique and its role on the barrier parameters of n-InP/Pd and n-GaP/Pd junctions as an interlayer

Güzeldir B., Baltakesmez A., Sağlam M.

PHYSICA B: CONDENSED MATTER, no.647, pp.414364, 2022 (SCI-Expanded)

V. Transfer of graphene thin film obtained by PECVD method to Au/p-Si rectifier junction as interfacial layer and analysis of its barrier characteristics depending on sample temperature

- Özakın O., Sağlam M., Güzeldir B.
JOURNAL OF MATERIALS SCIENCE: MATERIALS IN ELECTRONICS, vol.33, pp.14627-14643, 2022 (SCI-Expanded)
- VI. **Role of Reduced Graphene Oxide-Gold Nanoparticle Composites on Au/Au-RGO/p-Si/Al Structure Depending on Sample Temperature**
SAĞLAM M., GÜZELDİR B., TÜRÜT A., EKİNCİ D.
JOURNAL OF ELECTRONIC MATERIALS, vol.50, pp.4752-4761, 2021 (SCI-Expanded)
- VII. **Interface application of NiPt alloy nanoparticles decorated rGO nanocomposite to eliminate of contact problem between metal and inorganic/organic semiconductor**
Baltakesmez A., SEVİM M., GÜZELDİR B., Aykaç C., Biber M.
Journal of Alloys and Compounds, vol.867, 2021 (SCI-Expanded)
- VIII. **Interpretation of the I-V, C-V and G/ω-V characteristics of the Au/ZnS/n-GaAs/In structure depending on annealing temperature**
Baltakesmez A., GÜZELDİR B., SAĞLAM M., Biber M.
Physica B: Condensed Matter, vol.611, 2021 (SCI-Expanded)
- IX. **Effects of surface passivation on capacitance-voltage and conductance-voltage characteristics of Al/p-type Si/Al and Al/V2O5/p-type Si/Al diodes**
Şenarslan E., Güzeldir B., Sağlam M.
JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS, vol.146, 2020 (SCI-Expanded)
- X. **Temperature dependent current-and capacitance-voltage characteristics of W/n-Si structures with two-dimensional WS2 and three-dimensional WO3 interfaces deposited by RF sputtering technique**
Baltakesmez A., Tekmen S., GÜZELDİR B.
MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING, vol.118, 2020 (SCI-Expanded)
- XI. **Investigation of electrical and admittance analysis of Au/Thiophene/n-Si structure at room temperature**
Baltakesmez A., Bilkan Ç., Güzeldir B.
PHYSICA B-CONDENSED MATTER, vol.594, 2020 (SCI-Expanded)
- XII. **Optimizing quality of lead-free perovskite thin film with anti-solvent engineering and co-doping SnBr₂/SnF₂; its solar cell performance**
Baltakesmez A., Güzeldir B., Alkan Y., Sağlam M., Biber M.
OPTICAL MATERIALS, vol.110, no.110524, pp.1-12, 2020 (SCI-Expanded)
- XIII. **A comparative study on theoretical and experimental methods using basic electrical parameters of Au/CNTs/InP/Au-Ge diodes**
Saraç Y., Sener S. Ş., Baltakesmez A., Güzeldir B., Sağlam M.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.824, 2020 (SCI-Expanded)
- XIV. **Albedo parameters of selenium and boron compounds doped V2O5 thin films**
YILMAZ D., Uzunoğlu Z., Baltakesmez A., Ozcelik F. S., GÜZELDİR B.
RADIATION PHYSICS AND CHEMISTRY, vol.166, 2020 (SCI-Expanded)
- XV. **The protection from the effects of gamma rays of metal-semiconductor diodes by means of ZnO thin interface layer**
Salari M. A., SAĞLAM M., Güzeldir B.
RADIATION PHYSICS AND CHEMISTRY, vol.165, 2019 (SCI-Expanded)
- XVI. **The electrical current characteristics of thermally annealed Co/anodic oxide layer/n-GaAs sandwich structures**
Yıldırım N., TÜRÜT A., Biber M., SAĞLAM M., GÜZELDİR B.
INTERNATIONAL JOURNAL OF MODERN PHYSICS B, vol.33, no.21, 2019 (SCI-Expanded)
- XVII. **Phase transition and changing properties of nanostructured V2O5 thin films deposited by spray pyrolysis technique, as a function of tungsten dopant**
Baltakesmez A., AYKAÇ C., GÜZELDİR B.
APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, vol.125, no.6, 2019 (SCI-Expanded)
- XVIII. **Barrier Height Modification of n-InP Using a Silver Nanoparticles Loaded Graphene Oxide as an Interlayer in a Wide Temperature Range**

- Baltakesmez A., TAŞER A., KUDAŞ Z., GÜZELDİR B., EKİNCİ D., SAĞLAM M.
JOURNAL OF ELECTRONIC MATERIALS, vol.48, no.5, pp.3169-3182, 2019 (SCI-Expanded)
- XIX. Effect of electron radiation on electrical parameters of Zn/n-Si/Au-Sb and Zn/ZnO/n-Si/Au-Sb diodes
Salari M. A., SAĞLAM M., Baltakesmez A., GÜZELDİR B.
JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY, vol.319, no.3, pp.667-678, 2019 (SCI-Expanded)
- XX. X- and gamma-ray irradiation effects on vanadium pentoxide thin films
YILMAZ D., GÜZELDİR B., AKKUŞ T., ÖZNÜLÜER T.
Spectroscopy Letters, vol.51, no.6, pp.297-301, 2018 (SCI-Expanded)
- XXI. The stability of electrical characteristics of Ti/n-Si/Ag, Ti/n-Si/Cu and Ti/nSi/AgCu diodes prepared under the same conditions with respect to increasing aging time
Taşer A., GÜZELDİR B., SAĞLAM M.
MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING, vol.68, pp.186-192, 2017 (SCI-Expanded)
- XXII. The Stability of Electrical Characteristics of Ti/n-Si/Ag, Ti/n-Si/Cu and Ti/n-Si/AgCu Diodes Prepared Under the Same Conditions With Respect to Increasing Aging Time
TAŞER A., GÜZELDİR B., SAĞLAM M.
MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING, vol.68, pp.186-192, 2017 (SCI-Expanded)
- XXIII. Buildup factors and kerma for Al₂O₃ and SiO₂ in the energy range 0.015-15 MeV
YILMAZ D., ALIM B., AKKUŞ T., GÜZELDİR B.
American Institute of Physics, vol.1833, pp.20086, 2017 (SCI-Expanded)
- XXIV. Characterization of deposited CdS thin films by Spray Pyrolysis method and used in Cd/CdS/p-Si/Al structure
ÖZAKIN O., Aktaş Ş., GÜZELDİR B., SAĞLAM M.
AIP Conference Proceedings, vol.1833, pp.20092, 2017 (SCI-Expanded)
- XXV. Temperature dependent electrical characteristics of Zn ZnSe n GaAs In structure
SAĞLAM M., GÜZELDİR B.
Journal of Physics: Conference Series, 2016 (SCI-Expanded)
- XXVI. Effects of ageing on the electrical characteristics of Zn ZnS n GaAs In structure
GÜZELDİR B., SAĞLAM M.
Journal of Physics: Conference Series, 2016 (SCI-Expanded)
- XXVII. Using different chemical methods for deposition of copper selenide thin films and comparison of their characterization
GÜZELDİR B., SAĞLAM M.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.150, pp.111-119, 2015 (SCI-Expanded)
- XXVIII. The effects of thermal annealing on the electrical characteristics of Au/n-InP/In diode
ÇAKICI T., SAĞLAM M., GÜZELDİR B.
MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING, vol.28, pp.121-126, 2014 (SCI-Expanded)
- XXIX. Electrical characteristics of Au/Ti/n-GaAs contacts over a wide measurement temperature range
BIYIKLI N., Karabulut A., Efeolu H., GÜZELDİR B., TÜRÜT A.
PHYSICA SCRIPTA, vol.89, no.9, 2014 (SCI-Expanded)
- XXX. Some electrical and structural properties of Cd/CdS/n-Si/Au-Sb sandwich structure
GÜZELDİR B., SAĞLAM M., ATEŞ A.
SUPERLATTICES AND MICROSTRUCTURES, vol.52, no.3, pp.416-429, 2012 (SCI-Expanded)
- XXXI. Influence of film thickness on structural and optical properties of ZnS thin films obtained by SILAR method and analysis of Zn/ZnS/n-GaAs/In sandwich structure
ÖZAKIN O., GÜZELDİR B., YILDIRIM M. A., SAĞLAM M., ATEŞ A.
PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE, vol.209, no.4, pp.687-693, 2012 (SCI-Expanded)
- XXXII. Laterally inhomogeneous barrier analysis of identically prepared Cd/CdS/n-Si/Au-Sb structures by SILAR method

- Guzeldir B., Saglam M., Ates A.
 MICROELECTRONICS RELIABILITY, vol.51, no.12, pp.2179-2184, 2011 (SCI-Expanded)
- XXXIII. Effects of ageing on the electrical characteristics of Cd/CdS/n-Si/Au-Sb structure deposited by SILAR method**
 Guzeldir B., Saglam M., Ates A., Turut A.
 JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS, vol.72, no.12, pp.1506-1514, 2011 (SCI-Expanded)
- XXXIV. Temperature dependent current-voltage characteristics of the Zn/ZnO/n-Si/Au-Sb structure with ZnO interface layer grown on n-Si substrate by SILAR method**
 YILDIRIM M. A., Guzeldir B., Ates A., Saglam M.
 MICROELECTRONIC ENGINEERING, vol.88, no.10, pp.3075-3079, 2011 (SCI-Expanded)
- XXXV. ZnS thin film and Zn/ZnS/n-Si/Au-Sb sandwich structure grown with SILAR method and defining the characteristic parameters**
 Ates A., GÜZELDİR B., SAĞLAM M.
 MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING, vol.14, no.1, pp.28-36, 2011 (SCI-Expanded)

Articles Published in Other Journals

- I. **Electrical Characteristic of Au/Graphene/pp-Si/Al Schottky Diode Depend on Annealing Temperature**
 ÖZAKIN O., BAYRAM Ö., Aykaç C., GÜZELDİR B., SAĞLAM M.
 International Journal of Scientific Engineering Research, vol.10, no.9, pp.46-48, 2019 (Peer-Reviewed Journal)
- II. **Electrical characteristic of Au/Graphene/p-Si/Al Schottky diode depend on annealing temperature**
 ÖZAKIN O., Bayram Ö., AYKAÇ C., GÜZELDİR B., SAĞLAM M.
 International Journal of Scientific & Engineering Research, vol.10, no.9, pp.46-48, 2019 (Peer-Reviewed Journal)
- III. **Effect of x-rays and γ radiation on the optical and structural properties of vanadium oxide thin film**
 BALTAKESMEZ A., YILMAZ D., GÜZELDİR B., İskenderoğlu D., SAĞLAM M.
 International Journal of Scientific Engineering Research, vol.9, pp.23-29, 2018 (Peer-Reviewed Journal)
- IV. **A Study of Graphene Obtained by PECVD Technique Depending on RF Power**
 ÖZAKIN O., AYKAÇ C., ODABAŞ M., TAŞER A., GÜZELDİR B., SAĞLAM M.
 International Journal of Scientific Engineering Research, vol.9, pp.38-41, 2018 (Peer-Reviewed Journal)
- V. **The Effects of Gamma Radiation On Structural and Surface Properties of ZnO Thin Films Deposited On n-Si Substrate**
 SALARI M. A., ODABAŞ M., GÜZELDİR B., SAĞLAM M.
 International Journal of Scientific Engineering Research,, vol.9, pp.30-37, 2018 (Peer-Reviewed Journal)
- VI. **Nanostructures and Properties of Vanadium Oxide Thin Film Prepared by Spray Pyrolysis Method**
 Şenarslan E., Güzeldir B., Sağlam M.
 Materials Science Forum, vol.890, pp.287-290, 2017 (Scopus)
- VII. **Analysis of Aging Time Dependent Electrical Characteristics of AuCu/n-Si/Ti Schottky Type Diode**
 TAŞER A., ŞENARSLAN E., GÜZELDİR B., SAĞLAM M.
 AIP Conference Proceedings, no.1833, pp.20080, 2017 (Scopus)
- VIII. **Nanorods/Nanostructural Vanadium Oxide Prepared by Spray Pyrolysis**
 ŞENARSLAN E., TAŞER A., GÜZELDİR B., SAĞLAM M.
 AIP Conference Proceedings, no.1833, pp.20089, 2017 (Scopus)
- IX. **Effects Of the γ- radiation on the electrical characteristics of the Au/n-Si/Au-Sb Schottky diode**
 Salari M. A., Şenarslan E., Güzeldir B., Sağlam M.
 Journal of Physics: Conference Series, vol.707, pp.12018, 2016 (Scopus)
- X. **Effects of SILAR cycle on the electrical characteristics of Cd/CdSe/n-Si/Au-Sb structure**
 GÜZELDİR B., SAĞLAM M., Ates A.
 TURKISH JOURNAL OF PHYSICS, vol.35, no.1, pp.1-12, 2011 (ESCI)

Papers Presented at Peer-Reviewed Scientific Conferences

- I. Effect of low molarity HfO₂ thin films on the reflectance properties of polished silicon substrate
Kanmaz İ., GÜZELDİR B., ÜZÜM A.
1. Uluslararası Palandöken Bilimsel Çalışmalar Kongresi, Erzurum, Turkey, 24 - 25 November 2020, (Summary Text)
- II. Graphene oxide assembled Au-based nanocomposite for temperature dependent InP heterojunction devices
Kanmaz İ., BALTAKESMEZ A., Aykaç C., GÜZELDİR B., SAĞLAM M.
Turkish Physical Society 35 th International Physics Congress (TPS35), 4 - 08 September 2019, vol.1, pp.307-3016, (Full Text)
- III. Electrical Characteristic of Au/Graphene/p-Si/Al Schottky Diode Depend on Annealing Temperature
ÖZAKIN O., BAYRAM Ö., AYKAÇ C., GÜZELDİR B., SAĞLAM M.
INTERNATIONAL CONFERENCE ON ADVANCES IN NATURAL APPLIED SCIENCES(ICANAS19), Ağrı, Turkey, 19 - 21 June 2019, (Summary Text)
- IV. Transferring of Graphene Obtained on Copper Foil by Chemical Vapour Deposition(CVD) Technique and Investigation of Its Optical, Structural and Characteristic Parameters
AYKAÇ C., ÖZAKIN O., BAYRAM Ö., GÜZELDİR B., SAĞLAM M.
INTERNATIONAL CONFERENCE ON ADVANCES IN NATURAL APPLIED SCIENCES(ICANAS19), Ağrı, Turkey, 19 - 21 June 2019, (Summary Text)
- V. Characteristic of Au/Graphene/p-Si/Al Schottky Diode Depend on Annealing Temperature
ÖZAKIN O., AYKAÇ C., GÜZELDİR B., SAĞLAM M.
4th INTERNATIONAL CONFERENCE ON ADVANCES IN NATURAL & APPLIED SCIENCES (ICANAS 2019), Ağrı, Turkey, 19 - 22 June 2019, pp.7, (Summary Text)
- VI. The Annealing Effects Of The Electrical Characteristics In Au-Cu/n-GaAs/In And Ag-Cu/n-GaAs/In Schottky Diodes By Means Of Different Ratios Au-Cu And Ag-Cu Alloys
KANMAZ İ., KÜP S., GÜZELDİR B., SAĞLAM M.
4th INTERNATIONAL CONFERENCE ON ADVANCES IN NATURAL & APPLIED SCIENCES (ICANAS 2019), Ağrı, Turkey, 19 - 22 June 2019, pp.1, (Summary Text)
- VII. Examination of some basic electrical properties of Au /p-Si/Al, Au/GO/p-Si/Al and Au/Au-RGO/p-Si/Al structures
ODABAŞ M., TAŞER A., KUDAŞ Z., GÜZELDİR B., SAĞLAM M.
4th INTERNATIONAL CONFERENCE ON ADVANCES IN NATURAL & APPLIED SCIENCES (ICANAS 2019), Ağrı, Turkey, 19 - 22 June 2019, pp.3, (Summary Text)
- VIII. Different ratios of Au-Ag and Au-Cu alloys for electrical characteristics of Au-Ag/n-GaAs/In and Au-Cu/n-GaAs/In Schottky diodes in the wide temperature range
KÜP S., KANMAZ İ., GÜZELDİR B., SAĞLAM M.
4th INTERNATIONAL CONFERENCE ON ADVANCES IN NATURAL & APPLIED SCIENCES (ICANAS 2019), Ağrı, Turkey, 19 - 22 June 2019, pp.2, (Summary Text)
- IX. THE COMPARISON OF CURRENT -VOLTAGE CHARACTERISTICS OF Au/n-Si/Ti, AuAg/n-Si/Ti AND AuCu/n-Si/Ti SCHOTTKY DIODES AT ROOM TEMPERATURE
Orhan Z., YILDIRIM F., TAŞER A., GÜZELDİR B., SAĞLAM M.
MAS INTERNATIONAL CONFERENCE ON MATHEMATICS-ENGINEERING-NATURAL MEDICAL SCIENCES-V, 2 - 05 May 2019, pp.635-643, (Full Text)
- X. EFFECTS OF THERMAL ANNEALING ON DIODE PARAMETERS FROM C-V MEASUREMENTS OF THE Cd/CdS/n-GaAs/In AND Cd/CdSe/n-GaAs/In STRUCTURES
YILDIRIM F., Orhan Z., GÜZELDİR B., SAĞLAM M.
MAS INTERNATIONAL CONFERENCE ON MATHEMATICS-ENGINEERING-NATURAL MEDICAL SCIENCES-V, 2 - 05 May 2019, pp.622-634, (Full Text)
- XI. THE EFFECT OF GO AND AU-RGO INTERFACIAL LAYERS ON AU/p-Si RECTIFYING CONTACT PARAMETERS AT ROOM TEMPERATURE

- TAŞER A., SAĞLAM M., GÜZELDİR B., EKİNCİ D.
MAS INTERNATIONAL CONFERENCE ON MATHEMATICS-ENGINEERING-NATURAL&MEDICAL SCIENCES-V,
Erzurum, Turkey, 2 - 05 May 2019, pp.311-0, (Full Text)
- XII. **FABRICATION and CHARACTERIZATION of Al/rGO/n-Si/AIHETEROJUNCTION DIODE**
Daş E., Orhan Z., Aydoğan Ş., Güzeldir B.
2nd International Congress on Semiconductor Materials and Devices (ICSM), Ardahan, Turkey, 28 - 30 August 2018, pp.66-72, (Full Text)
- XIII. **TIME DEPENDENT ELECTRICAL PROPERTIES OF Au/n-Si/Ti, AG/n-Si/Ti AND AuAg/n-Si/Ti SCHOTTKY DIODES**
TAŞER A., ORHAN Z., AYKAÇ C., ÖZAKIN O., GÜZELDİR B., SAĞLAM M.
2nd International Congress on Semiconductor Materials and Devices (ICSM-2018), 28-30 August 2018, Ardahan University, Ardahan, TURKEY, 28 - 30 August 2018, (Full Text)
- XIV. **Examination of characteristic parameters of Zn/n-Si junction depending on electron radiation applied at different doses**
SALARİ M. A., ŞAHİN Y., GÜZELDİR B., SAĞLAM M.
2nd International Congress on Semiconductor Materials and Devices (ICSM-2018), 28-30 August 2018, Ardahan University, Ardahan, TURKEY, 28 - 30 August 2018, (Summary Text)
- XV. **CALCULATION OF SOME PARAMETERS OF THE ZnO INTERFACIAL Zn/n-Si JUNCTION DEPENDING ON THE ELECTRON RADIATION APPLIED AT DIFFERENT DOSES THAN THE CAPACITY-VOLTAGE CHARACTERISTICS**
SALARİ M. A., MERHAN MUĞLU G., GÜZELDİR B., SAĞLAM M.
2nd International Congress on Semiconductor Materials and Devices (ICSM-2018), 28-30 August 2018, Ardahan University, Ardahan, TURKEY, 28 - 30 August 2018, (Full Text)
- XVI. **The temperature dependence of current-voltage characteristics of CuAuAg/n-Si/Ti Schottky diode**
ORHAN Z., TAŞER A., GÜZELDİR B., SAĞLAM M.
2nd International Congress on Semiconductor Materials and Devices (ICSM-2018), 28-30 August 2018, Ardahan University, Ardahan, TURKEY, 28 - 30 August 2018, (Summary Text)
- XVII. **Effects of Aging on the Electrical Properties of Au/n-Si/Ti, Cu/n-Si/Ti and AuCu/n-Si/Ti Schottky Diodes**
TAŞER A., ORHAN Z., AYKAÇ C., ÖZAKIN O., GÜZELDİR B., SAĞLAM M.
2nd International Congress on Semiconductor Materials and Devices (ICSM-2018), 28-30 August 2018, Ardahan University, Ardahan, TURKEY, 28 - 30 August 2018, (Summary Text)
- XVIII. **EFFECTS OF GOLD WEIGHT RATE ON THE ELECTRICAL CHARACTERISTICS OF CuAuAg/n-Si/Ti SCHOTTKY DIODE**
ORHAN Z., TAŞER A., GÜZELDİR B., SAĞLAM M.
2nd International Congress on Semiconductor Materials and Devices (ICSM-2018), 28-30 August 2018, Ardahan University, Ardahan, TURKEY, 28 - 30 August 2018, (Full Text)
- XIX. **Investigation of Structural Properties of Sol-Gel Deposited W-Loaded V2O5 Films**
BALTAKESMEZ A., AYKAÇ C., GÜZELDİR B., ODABAŞ M., SAĞLAM M.
3rd International Conference on Advances in Natural Applied Sciences (ICANAS-2018), 9 - 12 May 2018, (Summary Text)
- XX. **The Effects of Thermal Annealing on Characteristic Parameters of Ni/ZnO/n-Si/Au-Sb Structure**
SALARİ M. A., ODABAŞ M., GÜZELDİR B., SAĞLAM M.
3rd International Conference on Advances in Natural Applied Sciences (ICANAS-2018), 9 - 12 May 2018, (Summary Text)
- XXI. **Synthesis of CuFeO Thin Films and Their Morphological Properties**
AYKAÇ C., TAŞER A., ÖZAKIN O., GÜZELDİR B., ODABAŞ M., SAĞLAM M.
3rd International Conference on Advances in Natural Applied Sciences (ICANAS-2018), 9 - 12 May 2018, (Summary Text)
- XXII. **The Optical Characterization of the W doped V2O5 Thin Films Irradiated With Gamma-Rays**
BALTAKESMEZ A., ODABAŞ M., GÜZELDİR B., YILMAZ D., SAĞLAM M.

- 3rd International Conference on Advances in Natural Applied Sciences (ICANAS-2018), 9 - 12 May 2018,
(Summary Text)
- XXIII. **Determination of Albedo Factors for Undoped, Selenium and Bore Doped Vanadium Oxide Thin Films**
UZUNOĞLU Z., BALTAKESMEZ A., GÜZELDİR B., YILMAZ D.
3rd International Conference on Advances in Natural and Applied Sciences, Turkey, 9 - 12 May 2018, (Summary Text)
- XXIV. **Investigation as Function of Thermal Annealing ofthe Optical, Structural and Morphological Propertiesof ZnSe Thin Films Obtained by Spray PyrolysisMethod**
SALARİ M. A., ODABAŞ M., GÜZELDİR B., SAĞLAM M.
3rd International Conference on Advances in Natural Applied Sciences (ICANAS-2018), 9 - 12 May 2018,
(Summary Text)
- XXV. **Investigation Some Properties of CdZnSe Thin Films**
TAŞER A., ÖZAKIN O., AYKAÇ C., GÜZELDİR B., ODABAŞ M., SAĞLAM M.
3rd International Conference on Advances in Natural Applied Sciences (ICANAS-2018), 9 - 12 May 2018,
(Summary Text)
- XXVI. **Preparation and Characterization of CdZnO ThinFilms Deposited by Spray Pyrolysis Technique**
AYKAÇ C., TAŞER A., ÖZAKIN O., GÜZELDİR B., ODABAŞ M., SAĞLAM M.
3rd International Conference on Advances in Natural Applied Sciences (ICANAS-2018), 9 - 12 May 2018,
(Summary Text)
- XXVII. **A Study of Graphene Obtained by PECVDTechnique Depending on RF Power**
ÖZAKIN O., Aykaç C., TAŞER A., GÜZELDİR B., Odabaş M., SAĞLAM M.
3rd International Conference on Advances in Natural Applied Sciences (ICANAS-2018), 9 - 12 May 2018,
(Summary Text)
- XXVIII. **Optical and Structural Properties of CdZnS Thin FilmsPrepared by Spray Pyrolysis Method**
ÖZAKIN O., AYKAÇ C., TAŞER A., GÜZELDİR B., ODABAŞ M., SAĞLAM M.
3rd International Conference on Advances in Natural Applied Sciences (ICANAS-2018), 9 - 12 May 2018,
(Summary Text)
- XXIX. **The Effects of Gamma Radiation on Structural andSurface Properties of ZNO Thin Films Deposited onN-Si Substrate**
SALARİ M. A., Odabaş M., GÜZELDİR B., SAĞLAM M.
3rd International Conference on Advances in Natural Applied Sciences (ICANAS-2018), 9 - 12 May 2018,
(Summary Text)
- XXX. **Characteristic C-V properties ofCd/CdSe/GaAs/In Sandwich Structure as aFunction of Temperature Grown by SILARMethod**
ODABAŞ M., TAŞER A., GÜZELDİR B., SAĞLAM M.
3rd International Conference on Advances in Natural Applied Sciences (ICANAS-2018), 9 - 12 May 2018,
(Summary Text)
- XXXI. **The effects of Gamma Irradiation on the Electrical Characteristics of the Zn/n-Si/Au-SbMetal-semiconductor Diode**
SALARİ M. A., GÜZELDİR B., SAĞLAM M.
The Seventh International Conference on Nanostructures (ICNS7) Feb 27-Mar 01, 2018, Sharif University of Technology, Tehran, IRAN, 27 February - 01 March 2018, (Full Text)
- XXXII. **The effects of gamma irradiation on electrical characteristics of Zn/ZnO/n-Si/Au-Sb structure**
Salari M. A., GÜZELDİR B., SAĞLAM M.
33rd International Physics Congress of the Turkish-Physical-Society (TPS), Bodrum, Turkey, 6 - 10 September 2017, vol.1935, (Full Text)
- XXXIII. **Some electrical properties of Sn/SnS/p-Si/Al sandwich structure**
Aykaç C., Orhan Z., Taşer A., GÜZELDİR B., SAĞLAM M.
II. International Conference on Advanced Engineering Technologies (ICADET 2017), 21 - 23 September 2017,
(Summary Text)
- XXXIV. **Characterization of capacitance-voltage properties ofAg/n-Si/Ti, AuAg/n-Si/Ti and AuAgCu/n-Si/Ti**

- Schottky diodes at room temperatiure**
Taşer A., Orhan Z., Aykaç C., GÜZELDİR B., SAĞLAM M.
II. International Conference on Advanced Engineering Technologies (ICADET 2017), 21 - 23 September 2017,
(Summary Text)
- XXXV. The comparison of electrical characteristics of Ag/n-Si/Ti, AuAg/n-Si/Ti and AuAgCu/n-Si/Ti Schottky diodes at room temperature**
Orhan Z., Taşer A., Aykaç C., GÜZELDİR B., SAĞLAM M.
II. International Conference on Advanced Engineering Technologies (ICADET 2017), 21 - 23 September 2017,
(Summary Text)
- XXXVI. The Effcets of Electron Irradiation on Electrical Characteristics of Zn/ZnO/n-Si/Au-Sb Schottky Diode**
Salari M. A., GÜZELDİR B., SAĞLAM M.
Turkish Physical Society 33rd International Physics Congress (TFD 33), 6 - 10 September 2017, (Summary Text)
- XXXVII. Oda Sıcaklığında Ag/n-Si/Ti, AuAg/n-Si/Ti and AuAgCu/n-Si/Ti Schottky Diyotların Kapasite-Voltaj Karakteristikleri**
TAŞER A., ORHAN Z., AYKAÇ C., GÜZELDİR B., SAĞLAM M.
International Conference on Advanced Engineering Technologies, Bayburt, Turkey, 17 May 2017, vol.1, (Summary Text)
- XXXVIII. Effects of Au-Ag and Au-Cu Alloy Ratios on The Temperature DependentCurrent-Voltage Characteristics in Au-Ag/n-GaAs/In and Au-Cu/n-GaAs/In Schottky Diodes**
Küp S., Taşer A., Kanmaz İ., GÜZELDİR B., SAĞLAM M.
International Congress on SemiconductorMaterials and Devices" (ICSMRD-2017), 17 - 19 August 2017, (Summary Text)
- XXXIX. Analysis of Thermal Annealing Effects of Au-Cu/n-GaAs/In and Ag-Cu/nGaAs/In Schottky Diodes with Different Ratios Au-Cu and Ag-Cu Alloys**
Kanmaz İ., Taşer A., Küp S., GÜZELDİR B., SAĞLAM M.
International Congress on SemiconductorMaterials and Devices" (ICSMRD-2017), 17 - 19 August 2017, (Summary Text)
- XL. Effects of Ageing Time on the Electrical Characteristics Of Zn/ZnSe/n-GaAs/In andCd/CdSe/n-GaAs/In Structures**
SAĞLAM M., GÜZELDİR B.
4th INTERNATIONAL CONGRESS ONTECHNOLOGY - ENGINEERING SCIENCE (ICONTES), 5 - 06 August 2017,
(Summary Text)
- XLI. Determination of Thickness of Vanadium Pentoxide Thin Film with EDXRF**
YILMAZ D., GÜZELDİR B., AKKUŞ T., ALIM B.
International Conference on Advances in Natural and Applied Sciences (ICANAS 2017), 18 - 21 April 2017,
(Summary Text)
- XLII. The effects of thermal annealing on the electrical characteristics of Ag/p-Si/Al diode**
ŞENARSLAN E., Ahmet T., GÜZELDİR B., SAĞLAM M.
ICANAS, 18 - 21 April 2017, (Summary Text)
- XLIII. Structural and Optical Characterization of SnZnInSe Thin Films Prepared by SprayPyrolysis Method**
Ahmet T., Orhan Z., ÖZAKIN O., GÜZELDİR B., SAĞLAM M.
II. International Conference on Advances in Natural and Applied Sciences (ICANAS-2017), 18 - 21 April 2017,
(Summary Text)
- XLIV. The Effects of Thermal Annealing on The Structural and Optical Characterization ofCuSnSe Thin Films Prepared by Spray Pyrolysis Method**
ÖZAKIN O., Orhan Z., Taşer A., GÜZELDİR B., SAĞLAM M.
II. International Conference on Advances in Natural and Applied Sciences (ICANAS-2017), 18 - 21 April 2017,
(Summary Text)
- XLV. Characterization of Deposited CdS Thin Films by Spray Pyrolysis Method and Used in Cd/CdS /p-Si/Al Structure**

- ÖZAKIN O., AKTAŞ Ş., GÜZELDİR B., SAĞLAM M.
 ICANAS 2017, Antalya, Turkey, 18 - 21 April 2017, (Full Text)
- XLVI. Nanorods/Nanostructural Vanadium Oxide Prepared by Spray Pyrolysis**
 ŞENARSLAN E., TAŞER A., GÜZELDİR B., SAĞLAM M.
 ICANAS 2017, Antalya, Turkey, 18 - 21 April 2017, (Full Text)
- XLVII. Buildup Factors and Kerma for Al₂O₃ and SiO₂ in the Energy Range 0.015-15 MeV**
 YILMAZ D., ALIM B., Akkuş T., GÜZELDİR B.
 ICANAS 2017, Antalya, Turkey, 18 - 21 April 2017, (Full Text)
- XLVIII. Analysis of Aging Time Dependent Electrical Characteristics of AuCu/n-Si/Ti Schottky Type Diode**
 TAŞER A., ŞENARSLAN E., GÜZELDİR B., SAĞLAM M.
 ICANAS 2017, Antalya, Turkey, 18 - 21 April 2017, (Full Text)
- XLIX. Investigation Of The Electrical Characteristics Of Al p Si Al Schottky Diode**
 Şenarslan E., Güzeldir B., Sağlam M.
 INTERNATIONAL PHYSICS CONFERENCE AT THE ANATOLIAN PEAK, Erzurum, Turkey, 25 - 27 February 2016,
 vol.707, pp.12013, (Full Text)
- L. Nanostructures and Properties of Vanadium Oxide Thin Film Prepared by Spray Pyrolysis Method**
 ŞENARSLAN E., GÜZELDİR B., SAĞLAM M.
 ICMSET 2016, Tokyo, Japan, 25 - 31 October 2016, pp.287-290, (Full Text)
- LI. Temperature dependent electrical characteristics of Zn ZnSe n GaAs In structure**
 SAĞLAM M., GÜZELDİR B.
 International Physics Conference at the Anatolian Peak (IPCAP2016), 25 - 27 February 2016, (Summary Text)
- LII. Characterization of Al doped WO thin Films deposited by the spray pyrolysis method**
 Orhan Z., Taşer A., ÖZAKIN O., GÜZELDİR B., SAĞLAM M.
 International Physics Conference at the Anatolian Peak (IPCAP2016), 25 - 27 February 2016, (Summary Text)
- LIII. Analysis With Different Methods of NiO Thin Film Growth With Spray Pyrolysis System**
 ÖZAKIN O., Taşer A., GÜZELDİR B., SAĞLAM M.
 International Physics Conference At the Anatolian Peak (IPCAP 2016), 25 - 27 February 2016, (Summary Text)
- LIV. Investigation Of NiO Thin Films Growth By Spray Pyrolysis System By Different Methods as a Function Of Annealing Temperatures**
 Taşer A., ÖZAKIN O., GÜZELDİR B., SAĞLAM M.
 International Physics Conference At the Anatolian Peak (IPCAP 2016), 25 - 27 February 2016, (Summary Text)
- LV. Analysing Of Electrical Characteristics Of Schottky Diodes Produced By Au Cu And Au Ag Alloys From n GaAs Semiconductor Prepared At Different Ratios Depending On Temperature Dependent**
 Küp S., Kanmaz İ., Taşer A., GÜZELDİR B., SAĞLAM M.
 International Physics Conference at the Anatolian Peak (IPCAP2016), 25 - 27 February 2016, (Summary Text)
- LVI. Analysing Of Electrical Characteristics Of Schottky Diodes Produced By Au Cu And Ag Cu Alloys From n GaAs Semiconductor Prepared At Different Ratios Depending On Termal Annealing**
 Kanmaz İ., Küp S., ÖZAKIN O., GÜZELDİR B., SAĞLAM M.
 International Physics Conference at the Anatolian Peak (IPCAP2016), 25 - 27 February 2016, (Summary Text)
- LVII. Effects Of the ?- radiation on the electrical characteristics of the Au/n-Si/Au-Sb Schottky diode**
 Abdolbahari M., Şenarslan E., Güzeldir B., Sağlam M.
 International Physics Conference at the Anatolian Peak (IPCAP2016), Erzurum, Turkey, 25 - 27 February 2016,
 pp.1-4, (Full Text)
- LVIII. Effects Of the Gamma radiation on the electrical characteristics of the Au/n- Si/Au-Sb Schottky diode**
 ABDOLAHPOUR SALAR M., ŞENARSLAN E., GÜZELDİR B., SAĞLAM M.
 International Physics Conference at the Anatolian Peak (IPCAP2016), Erzurum, Turkey, 25 - 27 February 2016,
 pp.1-4, (Full Text)
- LIX. Effects Of Thermal Annealing On Electrical Characteristics Of Au Cu n GaAs In and Ag Cu n GaAs In Schottky Diodes**
 Kanmaz İ., Küp S., ÖZAKIN O., GÜZELDİR B., SAĞLAM M.
 International Physics Conference At The Anatolian Peak (IPCAP 2016), 25-27 February 2016, Erzurum, TURKEY.,

- 25 - 27 February 2016, (Summary Text)
- LX. **The properties of the ZnInSe thin film grown by SILAR method**
DURAK R., AKTAS S., GÜZELDİR B., SAĞLAM M.
Materials Science and Technology Conference and Exhibition 2013, MS and T 2013, Erzurum, Turkey, 25 - 27 February 2016, vol.4, pp.2970-2974, (Full Text)
- LXI. **Effects of ageing on the electrical characteristics of Zn/ZnS/n-GaAs/In structure**
GÜZELDİR B., SAĞLAM M.
International Physics Conference at the Anatolian Peak (IPCAP2016), Erzurum, Turkey, 25 - 27 February 2016, pp.1-4, (Full Text)
- LXII. **Temperature dependent electrical characteristics of Zn/ ZnS/ n GaAs In structure**
SAĞLAM M., GÜZELDİR B.
International Physics Conference At the Anatolian Peak (IPCAP 2016), Erzurum, Turkey, 25 - 27 February 2016, pp.1-4, (Full Text)
- LXIII. **Characterization of Al Doped WO Thin Films Deposited by the Spray Pyrolysis Method**
Orhan Z., Taşer A., ÖZAKIN O., GÜZELDİR B., SAĞLAM M.
International Physics Conference at the Anatolian Peak, Erzurum, Turkey, 22 - 25 February 2016, pp.258, (Full Text)
- LXIV. **Investigation of NiO Thin Films Growth With Spray Pyrolysis System by Different Methods as a Function of Annealing Temperature**
ÖZAKIN O., GÜZELDİR B., Taşer A., SAĞLAM M.
International Physics Conference at the Anatolian Peak, Erzurum, Turkey, 22 - 25 February 2016, pp.164, (Full Text)
- LXV. **Analysis With Different Methods of NiO Thin Films Growth With Spray Pyrolysis System**
ÖZAKIN O., Taşer A., GÜZELDİR B., SAĞLAM M.
International Physics Conference at the Anatolian Peak, Erzurum, Turkey, 22 - 25 February 2016, pp.234, (Full Text)
- LXVI. **Effect of substrate temperature on the functional properties of vanadium oxide thin films grown by spray pyrolysis method**
SAĞLAM M., GÜZELDİR B.
ITWCCST 2015, 27 October - 01 November 2015
- LXVII. **The Effect of Thermal Annealing On Characteristic Parameters of Al p Si Al Schottky Diode**
Salari Abdollahpour M., ŞENARSLAN E., GÜZELDİR B., SAĞLAM M.
AFMAT, 26 - 28 October 2015, pp.38
- LXVIII. **The Effects Of Thermal Annealing On Characteristic Parameters Of Al p Si Al Schottky Diode**
Maryam A. S., ŞENARSLAN E., GÜZELDİR B., SAĞLAM M.
1st International Advanced and Functional Materials Technologies (AFMAT), 26 - 28 October 2015
- LXIX. **The Effects Of Surface Passivation On Characteristic Parameters Of Al p Si Al Schottky Diode**
ŞENARSLAN E., Abdollahpour Salari M., GÜZELDİR B., SAĞLAM M.
1st International Advanced and Functional Materials Technologies (AFMAT), 26 - 28 October 2015
- LXX. **The Effect of Surface Passivation On Parameters of Al p Si Al Schottky Diode**
ŞENARSLAN E., Salari Abdolahpur M., GÜZELDİR B., SAĞLAM M.
AFMAT, 26 - 28 October 2015, pp.37
- LXXI. **The Effects Of Thermal Annealing On The Current-Voltage Characteristics Of Au/n-InP/In Diode**
ÇAKICI T., GÜZELDİR B., SAĞLAM M.
International Semiconductor Science and Technology Conference, 13 - 15 January 2014, pp.102, (Summary Text)
- LXXII. **On The Current-Voltage Characteristics of Au/n-InP/In Diode at Low Temperature**
ÇAKICI T., GÜZELDİR B., SAĞLAM M.
International Semiconductor Science and Technology Conference, 13 - 15 January 2014, pp.101, (Summary Text)
- LXXIII. **A Study on Cu in Se₂ Thin Films Deposited by Spray Pyrolysis Technique,**
DURAK R., GÜZELDİR B.
Materials Science and Technology (MS&T) 2013, Montreal.Quebec, Canada, 27 - 31 October 2013, pp.1, (Full Text)

- LXXIV. **The Properties of The Zn in se Thin Film Grown by Silar Method**
DURAK R., GÜZELDİR B.
Materials Science and Technology (MS&T) 2013, Montreal.Quebec, Canada, 27 - 31 October 2013, pp.1, (Full Text)
- LXXV. **Au/n-InP/In Schottky Diyodunun Karakteristik Parametrelerinin incelenmesi**
ÇAKICI T., GÜZELDİR B., SAĞLAM M.
Türk Fizik Derneği 30. Uluslararası Fizik Kongresi, 2 - 05 September 2013, pp.487, (Summary Text)
- LXXVI. **A study on CuInSe Thin Films Deposited by Spray Pyrolyysis Technique**
SAĞLAM M., GÜZELDİR B., DURAK R., Ateş A.
Materials Science and Technology (MSST), Montreal, Canada, 27 - 31 January 2013, pp.2964-2969, (Full Text)
- LXXVII. **The Surface Properties of the CdS, CuS, ZnS, CdSe, CuSe and ZnSe Thin Films Grown by SILAR Method.**
SAĞLAM M., Ateş A., GÜZELDİR B., ÖZAKIN O.
International Conference Nanomaterials: Applications and Properties (NAP), Crimea, Ukraine, 17 - 22 September 2012, (Full Text)
- LXXVIII. **Zn/ZnS/p-Si/Al Yapının Elektriksel Karakteristikleri Üzerine Numune Sıcaklığının Etkileri**
GÜZELDİR B., Ateş A., ÖZAKIN O., Taşer A., yıldırım F., SAĞLAM M.
Turkish Physical Society, Muğla, Turkey, 13 - 16 September 2012, pp.584, (Full Text)
- LXXIX. **Sn/SnS/p-Si/Al Yapının Elektrik ve Arayüzey Karakteristikleri**
SAĞLAM M., GÜZELDİR B., Ateş A., ÖZAKIN O., yıldırım F., Taşer A.
Turkish Physical Society, Muğla, Turkey, 13 - 16 September 2012, pp.617, (Full Text)
- LXXX. **Zn/ZnS/n-GaAs/In Yapının Kapasite-Voltaj Karakteristikleri**
ÖZAKIN O., GÜZELDİR B., SAĞLAM M., yıldırım F., Taşer A., Ateş A.
Turkish Physical Society, Muğla, Turkey, 13 September 2012 - 17 September 2011, pp.135, (Summary Text)
- LXXXI. **Zn/ZnSe/n-GaAs/In yapının kapasite voltaj karakteristikleri**
ÖZAKIN O., GÜZELDİR B., SAĞLAM M., YILDIRIM F., TAŞER A., ATEŞ A.
Türk Fizik Derneği 29. Uluslararası Fizik Kongresi, BODRUM, Turkey, 5 - 08 September 2012, (Full Text)
- LXXXII. **Sn/SnS/p-Si/Al yapının elektrik ve arayüzey karakteristikleri**
SAĞLAM M., GÜZELDİR B., ATEŞ A., ÖZAKIN O., YILDIRIM F., TAŞER A.
Türk Fizik Derneği 29. Uluslararası Fizik Kongresi, BODRUM, Turkey, 5 - 08 September 2012, (Full Text)
- LXXXIII. **Synthesis of Indium Selenide Thin Films by Spray Pyrolysis Technique**
GÜZELDİR B., TATAR D., SAĞLAM M., ATEŞ A.
Nanotr Viii, Turkey, 22 - 29 June 2012, (Summary Text)
- LXXXIV. **Structural and optical properties of vanadium oxide thin films prepared by Spray Pyrolysis Technique**
TATAR D., GÜZELDİR B., SAĞLAM M., ateş a.
Nanotr Viii, Turkey, 25 - 29 June 2012, (Summary Text)
- LXXXV. **Chracteristic parameters of CdS thin film and C-V properties of Cd/CdS/GaAs/ln sandwich structure as a function of frequency grown by SILAR Method**
Ateş A., GÜZELDİR B., SAĞLAM M., DURAK R.
World Congress on Engineering and Technology (CET), Shanghai, China, 28 October - 02 November 2011, pp.17-20, (Full Text)
- LXXXVI. **Effects of The Thermal Annealing On Electrical Characteristics Of Zn/ZnSe/n-GaAs/ln Structure**
SAĞLAM M., GÜZELDİR B., Ateş A.
World Congress on Engineering and Technology (CET), Shanghai, China, 28 October - 02 November 2011, pp.20-24, (Full Text)
- LXXXVII. **Determination of the laterally homogeneous barrier height of Cd/CdS/n-GaAs/ln structures**
GÜZELDİR B., SAĞLAM M., Ateş A.
World Congress on Engineering and Technology (CET), Shanghai, China, 28 October - 02 November 2011, pp.24-28, (Full Text)
- LXXXVIII. **SILAR Tekniği ile Büyüttülen ZnS ince Filmlerin Optik ve Yapısal Özellikleri**
ÖZAKIN O., GÜZELDİR B., YILDIRIM F., TAŞER A., SAĞLAM M.

- TÜRK FİZİK DERNEĞİ 28.FİZİK KONGRESİ, 6 - 09 September 2011
- LXXXIX. SILAR Tekniği ile Büyütülen ZnS İnce Filmlerin Optik ve Yapısal Özellikleri
ÖZAKIN O., GÜZELDİR B., yıldırım F., Taşer A., Ateş A.
Turkish Physical Society, Muğla, Turkey, 8 - 11 September 2011, pp.783, (Full Text)
- XC. SILAR Yöntemiyle Elde Edilen Cd/CdSe/n-GaAs/In Sandviç Yapısının Sıcaklığa Bağlı Elektriksel Karakteristiklerinin İncelenmesi
GÜZELDİR B., Taşer A., ÖZAKIN O., Yıldırım F., ATEŞ A., SAĞLAM M.
Turkish Physical Society, Muğla, Turkey, 8 - 11 September 2011, pp.800, (Full Text)
- XCI. SILAR Yöntemiyle Elde Edilen Cd/CdSe/n-GaAs/In Sandviç Yapısının Sıcaklığa Bağlı Elektriksel Karakteristiklerinin İncelenmesi
GÜZELDİR B., Taşer A., ÖZAKIN O., Yıldırım F., ATEŞ A., SAĞLAM M.
Turkish Physical Society, Muğla, Turkey, 8 - 11 September 2011, pp.800, (Full Text)
- XCII. SILAR Tekniği ile Büyütülen ZnS İnce Filmlerin Optik ve Yapısal Özellikleri
ÖZAKIN O., GÜZELDİR B., yıldırım F., Taşer A., Ateş A.
Turkish Physical Society, Muğla, Turkey, 8 - 11 September 2011, pp.783, (Full Text)
- XCIII. SILAR metoduyla elde edilen Cd/CdS/n-GaAs/In ve Cd/CdSe/n-GaAs/In sandviç yapılarının seri direnç değerleri üzerine termal tavlamadan etkileri
YILDIRIM F., GÜZELDİR B., TAŞER A., ÖZAKIN O., ATEŞ A., SAĞLAM M.
Türk Fizik Derneği 28. Uluslararası Fizik Kongresi, BODRUM, Turkey, 6 - 09 September 2011, (Full Text)
- XCIV. SILAR teknigi ile büyütülen ZnS ince filmlerin optik ve yapısal özellikleri
ÖZAKIN O., GÜZELDİR B., YILDIRIM F., TAŞER A., ateş a., SAĞLAM M.
Türk Fizik Derneği 28. Uluslararası Fizik Kongresi, BODRUM, Turkey, 6 - 09 September 2011, (Full Text)
- XCV. SILAR yöntemiyle elde edilen Cd/CdSe/n-GaAs/In sandviç yapısının sıcaklığı bağlı elektriksel karakteristiklerinin incelenmesi
TAŞER A., GÜZELDİR B., ÖZAKIN O., YILDIRIM F., ATEŞ A., SAĞLAM M.
Türk Fizik Derneği 28. Uluslararası Fizik Kongresi, BODRUM, Turkey, 6 - 09 September 2011, (Full Text)
- XCVI. Deposition and Characterization of CdS CuS and ZnSThin Films Deposited by SILAR Method
GÜZELDİR B., SAĞLAM M., ATEŞ A.
International Congress on Advances in Applied Physics and Materials Science, 12 - 15 May 2011, (Full Text)
- XCVII. Cd CdS n GaAs In Sandviç Yapının Kapasite Voltaj C V Karakteristikleri
ŞENARSLAN E., GÜZELDİR B., SAĞLAM M., ATEŞ A.
TFD27, İstanbul, Turkey, 14 September - 17 January 2010, (Summary Text)

Funded Projects

Güzeldir B., Yurtcan M. T., Sağlam M., TUBITAK Project, PLD Tekniği İle Seryum Oksit Tek Kristal İnce Filmlerin Büyütülmesi, İnce Film Transistor Fabrikasyonu Ve Testleri, 2025 - 2027

Güzeldir B., Baltakesmez A., Sağlam M., Biber M., TUBITAK Project, Growth and Characterization of Quasi 2D Hybrid Perovskite Single Crystal Thin Films and Fabrication of High Mobility Thin Film Transistor, 2019 - 2022

YILMAZ D., KURUCU Y., GÜZELDİR B., Project Supported by Higher Education Institutions, Fizik Bölümü lisansüstü laboratuvarlarının temel ihtiyaçlarının karşılanması için çalışmalar Farklı bor bileşikleri ile katkılardırılmış Bi2O3TeO2 ve Bi2O3SeO2 cam kompozitlerin üretilmesi ve radyasyon zırhlama özelliklerinin incelenmesi Çeşitli enerjilerde gama raddrasyonuna maruz bırakılmış CdTe ve ZnTe ince filmlerin karakterizasyonu, 2020 - 2021

Güzeldir B., Baltakesmez A., Sağlam M., Biber M., Project Supported by Higher Education Institutions, Sözde 2B Perovskit Tek Kristal İnce film tabakalı Transistorların kapasite voltaj ölçümleri ve optimizasyonu, 2019 - 2021

KURUCU Y., GÜZELDİR B., AYDOĞAN Ş., BİBER M., ÇALDIRAN Z., BALTAKESMEZ A., Project Supported by Higher Education Institutions, Fizik Bölümü Nanoaygit laboratuvarının ARGE potansiyelinin iyileştirilmesi için çalışmalar Beyaz polimer ışık yayan diyon WPLED ve Yüzey Plazmon Etkisi Gösteren Metal Nanoparçacıkların P3HTPCBM Aktif Tabakaya Katkılanmasıyla Elde Edilen Hibrit Organik Güneş Pilleriinin Fabrikasyonu, 2019 - 2021

Güzeldir B., Baltakesmez A., Kurucu Y., Aydoğan Ş., Çaldıran Z., Biber M., Project Supported by Higher Education

Institutions, Beyaz polimer ışık yayan diyot (WPLED) ve Yüzey Plazmon Etkisi Gösteren Metal Nanoparçacıkların P3HT:PCBM Aktif Tabakaya Katkılanmasıyla Elde Edilen Hibrit Organik Güneş Pillерinin Fabrikasyonу, 2019 - 2021
GÜZELDİR B., BALTAKESMEZ A., SAĞLAM M., ALKAN Y., BİBER M., Project Supported by Higher Education Institutions, CH₃NH₃Sn(IxBryClz)₃ Perovskit Aktif Tabakalı Güneş Hücrelerinin Üretimi ve Karakterizasyonу, 2019 - 2021
DURAK R., GÜZELDİR B., GÜROL A., Project Supported by Higher Education Institutions, Fizik Bölümü Bilimsel Etkinliği ve Ar-Ge Potansiyelini Artırma Projesi, 2017 - 2019
GÜZELDİR B., CANIMKURBEY B., ÖZAKIN O., AYKAÇ C., TAŞER A., SAĞLAM M., Project Supported by Higher Education Institutions, Grafen tabanlı p tipi Organik Alan Etkili Transistörlerin Üretimi ve Karakterizasyonу, 2017 - 2018
SAĞLAM M., GÜZELDİR B., ÖZAKIN O., Project Supported by Higher Education Institutions, PLAZMA DESTEKLİ KİMYASAL BUHAR BİRİKTİRME (PECVD) YÖNTEMİYLE KARBON TABANLI NANOMALZEMELERİN SENZEZİ VE KARAKTERİZASYONU, 2016 - 2018
SAĞLAM M., GÜZELDİR B., Project Supported by Higher Education Institutions, FARKLI ORANLarda HAZIRLANAN AL-FE, AU-CU VE CU-Nİ ALAŞIMLARINDAN YAPILAN METAL/YARIİLETKEN DİYOTLARIN KARAKTERİSTİKLERİNİN ZAMANA BAĞLI OLARAK İNCELENMESİ, 2015 - 2017
GÜZELDİR B., ŞENARSLAN E., Project Supported by Higher Education Institutions, "KİMYASAL BUHAR ÇÖKELTME (CVD) YÖNTEMİYLE ELDE EDİLEN BAZI İNCE FİMLERİN KARAKTERİSTİKLERİNİN İNCELENMESİ, 2014 - 2016
GÜZELDİR B., TAŞER A., Project Supported by Higher Education Institutions, SILAR YÖNTEMİYLE ELDE EDİLEN ZNS VE ZNSE İNCE FİMLERİNİN OPTİKSEL VE YAPISAL ÖZELLİKLERİNİN İNCELENMESİ, 2013 - 2015
GÜZELDİR B., Project Supported by Higher Education Institutions, KİMYASAL PÜSKÜRTME YÖNTEMİYLE ELDE EDİLEN IN VE CU KATKILI VO İNCE FİMLERİNİN OPTİKSEL VE YAPISAL ÖZELLİKLERİNİN İNCELENMESİ, 2013 - 2015
GÜZELDİR B., TAŞER A., Project Supported by Higher Education Institutions, KİMYASAL PÜSKÜRTME YÖNTEMİ İLE ELDE EDİLEN INSE, CUINSE, ZNINSE İNCE FİMLERİNİN OPTİKSEL VE YAPISAL ÖZELLİKLERİNİN İNCELENMESİ, 2012 - 2014
GÜZELDİR B., Project Supported by Higher Education Institutions, ATOMİC LAYER DEPOLAMA TEKNİĞİ İLE SENZEZLENEN II-OKSİT VE III-NİTRAT YARIİLETKEN MALZEME TEMELLİ SCHOTTKY DİYOTLARIN ELEKTRİKSEL KARAKTERİZASYONU, 2011 - 2013

Activities in Scientific Journals

NANOSCIENCE AND TECHNOLOGY-AN INTERNATIONAL JOURNAL, Editor, 2023 - Continues
ENERGY MATERIALS: MATERIALS SCIENCE AND ENGINEERING FOR ENERGY SYSTEMS, Evaluation Committee Member, 2023 - 2023
The Journal of Applied and Advanced Physics (JAAP), Committee Member, 2015 - 2017

Peer Reviews in Scientific Publications

PHYSICA SCRIPTA, SCI Journal, December 2023
MODERN PHYSICS LETTERS B, SCI Journal, April 2023
JOURNAL OF MATERIALS SCIENCE, SCI Journal, March 2023
Results in Physics, SCI Journal, February 2023
MODERN PHYSICS LETTERS B, SCI Journal, January 2023
ACS APPLIED ELECTRONIC MATERIALS, SCI Journal, December 2022
Results in Physics, SCI Journal, December 2022
MATERIALS CHEMISTRY AND PHYSICS, SCI Journal, December 2022
Results in Physics, SCI Journal, September 2022
Results in Physics, SCI Journal, August 2022
Results in Physics, SCI Journal, August 2022
JOURNAL OF MATERIALS SCIENCE: MATERIALS IN ELECTRONICS, SCI Journal, August 2022
Results in Physics, SCI Journal, July 2022
SEMICONDUCTOR SCIENCE AND TECHNOLOGY, SCI Journal, March 2022

ARABIAN JOURNAL OF CHEMISTRY, SCI Journal, January 2022
Journal Of Materials Science-Materials In Electronics, SCI Journal, September 2021
Results in Physics, SCI Journal, May 2021
Materials Chemistry And Physics, SCI Journal, April 2021
RESULTS IN PHYSICS, SCI Journal, August 2020
Journal Of Materials Science-Materials In Electronics, SCI Journal, July 2020
Journal Of Alloys And Compounds, SCI Journal, January 2020
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, SCI Journal, January 2020
Journal Alloy and Compound, SCI Journal, December 2016
Arabian Journal of Chemistry, SCI Journal, September 2016
Journal Alloy and Compound, SCI Journal, June 2016
Surface and Coatings Technology, SCI Journal, May 2015
Romanian Journal Of Physics, SCI Journal, November 2011
Journal of Crystal Growth, SCI Journal, March 2010
Journal of Alloys and Compounds, SCI Journal, February 2010

Scientific Project Refereeing

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, May 2023
TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, May 2023
TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, May 2023
TUBITAK Project, 3501 - National Young Researcher Career Development Program, February 2023
TUBITAK Project, 2218 - Yurt İçi Doktora Sonrası Araştırma Burs Programı, January 2023
Project Supported by Higher Education Institutions, BAP Other, January 2023
TUBITAK Project, 3501 - National Young Researcher Career Development Program, January 2023
TUBITAK Project, 2219 - Yurt Dışı Doktora Sonrası Araştırma Burs Programı, December 2022
TUBITAK Project, 2219 - Yurt Dışı Doktora Sonrası Araştırma Burs Programı, December 2022
TUBITAK Project, 2219 - Yurt Dışı Doktora Sonrası Araştırma Burs Programı, December 2022
TUBITAK Project, 2210-c Domestic Priority Areas Graduate Scholarship Program , December 2022
TUBITAK Project, 2210-c Domestic Priority Areas Graduate Scholarship Program , December 2022
TUBITAK Project, 2219 - Yurt Dışı Doktora Sonrası Araştırma Burs Programı, December 2022
TUBITAK Project, 2219 - Yurt Dışı Doktora Sonrası Araştırma Burs Programı, December 2022
Project Supported by Higher Education Institutions, BAP Research Project, June 2022
TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, November 2021
TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, November 2021
TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, November 2021
TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, November 2021
TUBITAK Project, 1002 - Quick Support Program, September 2021
Project Supported by Higher Education Institutions, BAP Research Project, July 2021
TUBITAK Project, 2218 - Yurt İçi Doktora Sonrası Araştırma Burs Programı, June 2021
TUBITAK Project, 2218 - Yurt İçi Doktora Sonrası Araştırma Burs Programı, June 2021
TUBITAK Project, 2218 - Yurt İçi Doktora Sonrası Araştırma Burs Programı, June 2021
TUBITAK Project, 1002 - Quick Support Program, May 2021
TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, March 2021
TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, March 2021
TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, March 2021
Project Supported by Higher Education Institutions, BAP Research Project, January 2021
Project Supported by Higher Education Institutions, BAP Research Project, July 2017

Scientific Consultations

TÜBİTAK, Scientific Consultancy, Ataturk University, Fen Fakültesi, Fizik, Turkey, 2017 - 2017
TÜBİTAK, Scientific Consultancy, Ataturk University, Fen Fakültesi, Fizik, Turkey, 2017 - 2017
TÜBİTAK, Scientific Consultancy, Ataturk University, Fen Fakültesi, Fizik, Turkey, 2015 - 2015
TÜBİTAK, Scientific Consultancy, Ataturk University, Fen Fakültesi, Fizik, Turkey, 2015 - 2015
TÜBİTAK, Scientific Consultancy, Ataturk University, Turkey, 2013 - 2013

Roles in Event Organizations

Çakmakçı S., Koçyiğit R., Güzeldir B., AKKÖSE A., ŞENKUYTU E., KOPUZLU S., KIRBAŞ A., 4.ULUSLARARASI PALANDÖKEN BİLİMSEL ÇALIŞMALAR KONGRESİ , Scientific Congress, Turkey, Nisan 2022
Vangölü S. Y., Kadıoğlu Y., Mavi A., Çetin M., Alanyaloğlu M., Ceyhun S. B., Ekinci D., Erat M., Karacalı T., Öznülüer Özer T., et al., World Congress on Applied Nanotechnology, Scientific Congress, Erzurum, Turkey, Kasım 2021
Güzeldir B., ICANAS 2021, Scientific Congress, Ağrı, Turkey, Eylül 2021
Özpolat Ö. F., Güzeldir B., ISFAS 2021, Scientific Congress, Turkey, Eylül 2021
Güzeldir B., MSNG 2021, Scientific Congress, Elazığ, Turkey, Temmuz 2021
Güzeldir B., IOCENS 2021, Scientific Congress, Gümüşhane, Turkey, Temmuz 2021
Güzeldir B., 2.ULUSLARARASI PALANDÖKEN BİLİMSEL ÇALIŞMALAR KONGRESİ, Scientific Congress, Erzurum, Turkey, Nisan 2021

Metrics

Publication: 154

Citation (WoS): 276

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H-Index (WoS): 10

H-Index (Scopus): 12