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Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAD-3089-2020

ScopusID: 36181271500

Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Turkey 2009 - 2013

Postgraduate, Gazi University, Fen Bilimleri Enstitüsü, Turkey 2006 - 2009

Undergraduate, Gazi University, Fen Fakültesi, Fizik, Turkey 2002 - 2006

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, III-V grubu güneş hücre yapılarının epitaksiyel büyütülmesi ve karakterizasyonu, Gazi University, Fen Bilimleri Enstitüsü, 2013

Postgraduate, InxGa1-xAs / GaAs çoklu kuantum kuyu yapısının mbe tekniği ile büyütülmesi: Yapısal, optik ve elektriksel özelliklerinin incelenmesi, Gazi University, Fen Bilimleri Enstitüsü, 2009

Research Areas

General Physics, Condensed Matter 1: Structural, Mechanical and Thermal Properties, Intensive Article 2: Electronic Structure, Electric, Magnetic and Optical Properties

Academic Titles / Tasks

Associate Professor, Gazi University, Uygulamalı Bilimler Fakültesi, Fotonik, 2022 - Continues

Associate Professor, Istanbul University, Faculty Of Science, Department Of Physics, 2019 - 2022

Assistant Professor, Istanbul University, Faculty Of Science, Department Of Physics, 2014 - 2019

Academic and Administrative Experience

Dean, Gazi University, Uygulamalı Bilimler Fakültesi, Fotonik, 2024 - Continues

Deputy Head of Department, Gazi University, Fen Bilimleri Enstitüsü, Fotonik Bilim ve Mühendisliği, 2022 - Continues
Vice Dean, Gazi University, Uygulamalı Bilimler Fakültesi, Fotonik, 2024 - 2024
Deputy Head of Department, Gazi University, Uygulamalı Bilimler Fakültesi, Fotonik, 2022 - 2024
Vice Dean, Istanbul University, Faculty Of Science, 2018 - 2020
Deputy Head of Department, Istanbul University, Faculty Of Science, Department Of Physics, 2017 - 2018

Courses

FOTOVOLTAİK AYGITLAR, Postgraduate, 2022 - 2023
FOTONİK VE ELEKTROMANYETİK, Doctorate, 2022 - 2023
FOTONİKTE ELEKTROMANYETİK DALGALAR , Undergraduate, 2022 - 2023

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Achieving bifacial photovoltaic performance in PTB7-based organic solar cell by integrating transparent contact for emerging semi-transparent applications**
ÇOKDUYGULULAR E., ÇETİNKAYA Ç., EMİK S., KINACI B.
Scientific Reports, vol.14, no.1, 2024 (SCI-Expanded)
- II. **Aerosol Jet Printing of Flexible Transparent Conductive Silver Nanowire Electrodes: Effects of Printing Cycles**
SERBEST B., Kara S. G., Alpay R., ATAŞER T., KINACI B., AKIN SÖNMEZ N., ÖZÇELİK S.
JOURNAL OF ELECTRONIC MATERIALS, 2024 (SCI-Expanded)
- III. **Tunable optical and photovoltaic performance in PTB7-based colored semi-transparent organic solar cells integrated MgF₂/WO₃ 1D-photonic crystals via advanced light management**
Cokduygulular E., Cetinkaya C., Emik S., Kinaci B.
SCIENTIFIC REPORTS, vol.14, no.1, pp.23430, 2024 (SCI-Expanded)
- IV. **Electrical and dielectric properties of RF sputtered nano Al₂O₃ film annealed at 400 °C**
Yalçın Y., Arslan Ö., İldeş C., Çokduygulular E., Çetinkaya Ç., Kinacı B.
JOURNAL OF MATERIALS SCIENCE: MATERIALS IN ELECTRONICS, vol.34, no.25, pp.1786, 2023 (SCI-Expanded)
- V. **Structural and morphological analysis of rf sputtered nano ZnSe coatings as a function of thickness: investigation of the effect of metal contact on MIS structure with ZnSe interfacial layer**
Balcı E., Kinacı B., Çetinkaya Ç., Çokduygulular E., Ataşer T., Akın Sönmez N., Sağlam S., Özçelik S.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.34, no.16, 2023 (SCI-Expanded)
- VI. **In-depth analysis on PTB7 based semi-transparent solar cell employing MoO₃/Ag/WO₃ contact for advanced optical performance and light utilization**
Çokduygulular E., Çetinkaya Ç., Emik S., Kinacı B.
SCIENTIFIC REPORTS, vol.13, no.1, pp.7548, 2023 (SCI-Expanded)
- VII. **Tailoring optimal translocation conditions towards proximity of borotellurite glasses to the red spectrum through CeO₂ for practical applications**
Çetinkaya Ç., Çokduygulular E., Kinacı B., Ilik E., Kilic G., Almisned G., Zakaly H. M., Ene A., Tekin H.
HELIYON, vol.9, no.4, pp.1-2, 2023 (SCI-Expanded)
- VIII. **Enhancement of significant colour properties through Ta₂O₅ incorporation into ZnO–TeO₂ binary glasses: An effective method for purposeful utilizations in industry and technology**
Çokduygulular E., Çetinkaya Ç., Kinacı B., Kilic G., Tekin H.
OPTICAL MATERIALS, vol.135, pp.113301, 2023 (SCI-Expanded)
- IX. **Enhancement of color and photovoltaic performance of semi-transparent organic solar cell via fine-tuned 1D photonic crystal**
Çetinkaya Ç., Çokduygulular E., Kinacı B., Emik S., Sönmez N., Özçelik S.
SCIENTIFIC REPORTS, vol.12, no.1, 2022 (SCI-Expanded)

- X. **Highly improved light harvesting and photovoltaic performance in CdTe solar cell with functional designed 1D-photonic crystal via light management engineering**
Çetinkaya Ç., Çokduygulular E., Kinaci B., Guzelcimen F., Özen Y., Akın Sönmez N., Özçelik S.
SCIENTIFIC REPORTS, vol.12, no.1, 2022 (SCI-Expanded)
- XI. **Evaluation of dielectric properties of Au/TZO/n-Si structure depending on frequency and voltage**
Kinaci B., Bairam C., Yalcin Y., Cokduygulular E., Çetinkaya Ç., Efkere H. İ., Özçelik S.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.33, no.13, pp.10516-10523, 2022 (SCI-Expanded)
- XII. **Functional optical design of thickness-optimized transparent conductive dielectric-metal-dielectric plasmonic structure**
ÇETİNKAYA Ç., ÇOKDUYGULULAR E., GÜZELÇİMEN F., KINACI B.
SCIENTIFIC REPORTS, vol.12, no.1, 2022 (SCI-Expanded)
- XIII. **Dielectric Properties of Au/SrTiO₃/p-Si Structure Obtained by RF Magnetron Sputtering in a Wide Frequency Range**
Kinaci B.
SILICON, vol.14, no.6, pp.2717-2722, 2022 (SCI-Expanded)
- XIV. **Influence of V₂O₅ and B₂O₃ addition on the sintering behaviour and physical properties of ZnO ceramics**
Yüksel Price B., Hardal G., Kinaci B.
Processing and Application of Ceramics, vol.16, no.1, pp.48-54, 2022 (SCI-Expanded)
- XV. **Design and fabrication of a semi-transparent solar cell considering the effect of the layer thickness of MoO₃/Ag/MoO₃ transparent top contact on optical and electrical properties**
Çetinkaya Ç., Çokduygulular E., Kinaci B., Güzelçimen F., Özen Y., Efkere H. İ., Candan İ., Emik S., Özçelik S.
Scientific Reports, vol.11, no.1, 2021 (SCI-Expanded)
- XVI. **Investigation of the effect of annealing on the structural, morphological and optical properties of RF sputtered WO₃ nanostructure**
Efkere H. İ., Gumrukcu A. E., Özen Y., Kinaci B., Aydın S. Ş., Ates H., Özçelik S.
PHYSICA B-CONDENSED MATTER, vol.622, 2021 (SCI-Expanded)
- XVII. **Evaluation on output parameters of the inverted organic solar cells depending on transition-metal-oxide based hole-transporting materials**
Çetinkaya Ç., Çokduygulular E., Kinaci B., Güzelçimen F., Candan İ., Efkere H. İ., Özen Y., Özçelik S.
Optical Materials, vol.120, 2021 (SCI-Expanded)
- XVIII. **Structural, morphological, optical and electrical properties of the Ti doped-ZnO (TZO) thin film prepared by RF sputter technique**
Bairam C., Yalcin Y., EFKERE H. İ., ÇOKDUYGULULAR E., ÇETİNKAYA Ç., KINACI B., ÖZÇELİK S.
PHYSICA B-CONDENSED MATTER, vol.616, 2021 (SCI-Expanded)
- XIX. **Modeling and Experimental Analysis of Photovoltaic Parameters of GaInP/GaAs Dual Junction p-i-n Solar Cell**
KINACI B.
BRAZILIAN JOURNAL OF PHYSICS, vol.51, no.3, pp.553-558, 2021 (SCI-Expanded)
- XX. **Determination of surface morphology and electrical properties of MoO₃ layer deposited on GaAs substrate with RF magnetron sputtering**
Çetinkaya Ç., Çokduygulular E., Özen Y., Candan İ., Kinaci B., Özçelik S.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.32, no.9, pp.12330-12339, 2021 (SCI-Expanded)
- XXI. **The temperature dependent negative dielectric constant phenomena of Au/n-GaAs structure with CZO interfacial layer**
Kinaci B.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.32, no.5, pp.5928-5935, 2021 (SCI-Expanded)
- XXII. **Investigation of V-groove fabricated GaInNAs nipi solar cell structure**

- Muhammetgulyev A., Yalcin Y., Kuruoglu F., ÇOKDUYGULULAR E., Kinaci B., Erol A.
OPTICAL AND QUANTUM ELECTRONICS, vol.53, no.1, 2021 (SCI-Expanded)
- XXIII. **Effect of Annealing on the Surface Morphology and Current-Voltage Characterization of a CZO Structure Prepared by RF Magnetron Sputtering**
KINACI B., ÇELİK E. G., ÇOKDUYGULULAR E., ÇETİNKAYA Ç., YALÇIN Y., EFKERE H. İ., ÖZEN Y., Sönmez N., ÖZÇELİK S.
SEMICONDUCTORS, vol.55, no.1, pp.28-36, 2021 (SCI-Expanded)
- XXIV. **The effect of thickness on surface structure of rf sputtered TiO₂ thin films by XPS, SEM/EDS, AFM and SAM**
Guzelcimen F., Tanoren B., Cetinkaya C., Kaya M., Efkere H. İ., Özen Y., Bingol D., Sirkeci M., Kinaci B., Ünlü M. B., et al.
VACUUM, vol.182, 2020 (SCI-Expanded)
- XXV. **A comprehensive study on Cu-doped ZnO (CZO) interlayered MOS structure**
ÇOKDUYGULULAR E., ÇETİNKAYA Ç., Yalcin Y., KINACI B.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.31, no.16, pp.13646-13656, 2020 (SCI-Expanded)
- XXVI. **Negative capacitance phenomena in Au/SrTiO₃/p-Si heterojunction structure**
Kinaci B., Çetinkaya Ç., Çokduygulular E., Efkere H. İ., Akin Sönmez N., Özçelik S.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.31, pp.8718-8726, 2020 (SCI-Expanded)
- XXVII. **Characterization of a GaAs/GaAsBi pin solar cell**
Muhammetgulyev A., ERBAŞ Ö. G., KINACI B., DÖNMEZ Ö., ÇELEBİ Y. G., EROL A.
SEMICONDUCTOR SCIENCE AND TECHNOLOGY, vol.34, no.8, 2019 (SCI-Expanded)
- XXVIII. **The effects of annealing temperature on RF-coated GZO thin films on n-Si and PET substrates N-Si ve PET alttaşlar üzerine RF-kaplanan GZO ince filmlere tavlama sıcaklığının etkileri**
AKIN SÖNMEZ N., Donmez M., Comert B., ASAR T., KINACI B., ÖZÇELİK S.
Journal of the Faculty of Engineering and Architecture of Gazi University, vol.34, no.4, pp.1757-1763, 2019 (SCI-Expanded)
- XXIX. **V-groove etched 1-eV-GaInNAs nipi solar cell**
Muhammetgulyev A., KINACI B., Aho A., Yalcin Y., ÇETİNKAYA Ç., KURUOĞLU F., Guina M., EROL A.
APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, vol.125, no.1, 2019 (SCI-Expanded)
- XXX. **Influence of RF power on the opto-electrical and structural properties of gallium-doped zinc oxide thin films**
Akin Sönmez N., Kinaci B., Özen Y., Ozcelik S.
Journal of Materials Science: Materials in Electronics, vol.28, pp.7376-7384, 2017 (SCI-Expanded)
- XXXI. **Performance evaluation of a GaInP/GaAs solar cell structure with the integration of AlGaAs tunnel junction**
Özen Y., Akin Sönmez N., Kinaci B., Özçelik S.
SOLAR ENERGY MATERIALS AND SOLAR CELLS, vol.137, pp.1-5, 2015 (SCI-Expanded)
- XXXII. **AZO thin film-based UV sensors: effects of RF power on the films**
AKIN SÖNMEZ N., Baskose U. C., KINACI B., ÇAKMAK M., ÖZÇELİK S.
APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, vol.119, no.3, pp.965-970, 2015 (SCI-Expanded)
- XXXIII. **The study on characterizations of SrTiO₃ thin films with different growth temperatures**
Kinaci B., Akin Sönmez N., Durukan İ., Memmedli T., Ozcelik S.
SUPERLATTICES AND MICROSTRUCTURES, vol.76, pp.234-243, 2014 (SCI-Expanded)
- XXXIV. **Preparation of RF sputtered AZO/Au thin film hydrogen peroxide sensitive electrode for utilization as a biosensor**
Durukan İ., Caliskan S., Cete S., Cevrimli B. S., Kinaci B., Özen Y., Corekci S., Ozturk M. K., Memmedli T., Ozcelik S.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.25, pp.3154-3159, 2014 (SCI-Expanded)
- XXXV. **Microstructural defect properties of InGaN/GaN blue light emitting diode structures**
Bas Y., Demirel P., Akin Sönmez N., Baskose C., Özen Y., Kinaci B., Ozturk M. K., Ozcelik S., Ozbay E.
Journal of Materials Science: Materials in Electronics, vol.25, pp.3924-3932, 2014 (SCI-Expanded)
- XXXVI. **Study on growth and characterizations of GaIn_{1-x}P/GaAs solar cell structure**

- Kınacı B., Özen Y., Asar T., Cetin S. Ş., Memmedli T., Kasap M., Ozcelik S.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.24, no.9, pp.3269-3274, 2013 (SCI-Expanded)
- XXXVII. **Analysis of the Temperature Dependence of the Capacitance-Voltage and Conductance-Voltage Characteristics of Au/TiO₂(rutile)/n-Si Structures**
KINACI B., ÖZÇELİK S.
JOURNAL OF ELECTRONIC MATERIALS, vol.42, no.6, pp.1108-1113, 2013 (SCI-Expanded)
- XXXVIII. **Effect of alloy composition on structural, optical and morphological properties and electrical characteristics of GaIn_{1-x}P/GaAs structure**
Kınacı B., Özen Y., Kizilkaya K., Asar T., Cetin S. Ş., Boyali E., Ozturk M. K., Memmedli T., Ozcelik S.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.24, no.4, pp.1375-1381, 2013 (SCI-Expanded)
- XXXIX. **Electrical characterization of Au/ZnO/TiO₂/n-Si and (Ni/Au)/ZnO/TiO₂/n-Si Schottky diodes by using current-voltage measurements**
Kınacı B., Asar T., Cetin S. Ş., Özen Y., Kizilkaya K.
JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, vol.14, no.11-12, pp.959-963, 2012 (SCI-Expanded)
- XL. **The temperature dependent analysis of Au/TiO₂ (rutile)/n-Si (MIS) SBDs using current-voltage-temperature (I-V-T) characteristics**
KINACI B., Cetin S. Ş., Bengi A., ÖZÇELİK S.
MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING, vol.15, no.5, pp.531-535, 2012 (SCI-Expanded)
- XLI. **Current-voltage (I-V) characteristics of Au/InGaAs/n-GaAs Schottky barrier diodes**
KINACI B., Corekci S., Kizilkaya K., Ozcelika S.
Optoelectronics and Advanced Materials, Rapid Communications, vol.6, pp.327-330, 2012 (SCI-Expanded)
- XLII. **Analysis of the forward and reverse bias I-V characteristics on Au/PVA: Zn/n-Si Schottky barrier diodes in the wide temperature range**
Tascioglu I., AYDEMİR U., ALTINDAL Ş., KINACI B., ÖZÇELİK S.
JOURNAL OF APPLIED PHYSICS, vol.109, no.5, 2011 (SCI-Expanded)
- XLIII. **The analysis of Au/TiO₂/n-Si schottky barrier diode at high temperatures using I-V characteristics**
Kınacı B., Asar T., Özen Y., Ozcelik S.
Optoelectronics and Advanced Materials, Rapid Communications, vol.5, no.4, pp.434-437, 2011 (SCI-Expanded)
- XLIV. **The structural and optical properties of InGaAs/GaAs MQW**
KINACI B., Bengi A., Mammadov T., Ozcelik S.
Journal of Optoelectronics and Advanced Materials, vol.13, no.5, pp.505-508, 2011 (SCI-Expanded)
- XLV. **Effect of different P/As ratio on the optical and structural properties of GaAs_{1-x}P_x/GaAs**
Cetin S. Ş., KINACI B., ASAR T., KARS DURUKAN İ., Ozturk M. K., Mammadov T. S., ÖZÇELİK S.
SURFACE AND INTERFACE ANALYSIS, vol.42, pp.1252-1256, 2010 (SCI-Expanded)
- XLVI. **Influence of thermal annealing on the structure and optical properties of d.c. magnetron sputtered titanium dioxide thin films**
Kars İ., Cetin S. Ş., KINACI B., Sarikavak B., Bengi A., Altuntas H., Ozturk M. K., Ozcelik S.
SURFACE AND INTERFACE ANALYSIS, vol.42, pp.1247-1251, 2010 (SCI-Expanded)

Articles Published in Other Journals

- I. **Boşluk Taşıma Katmanının (HTL) Ters Çevrilmiş Organik Güneş Hücre Parametrelerine Etkisi**
CANDAN İ., ÖZEN Y., KINACI B.
Gazi Üniversitesi Fen Fakültesi Dergisi, vol.3, no.2, pp.123-132, 2022 (Peer-Reviewed Journal)
- II. **Effect on the Electrical Characterizations of Temperature and Frequency Depending on Series Resistance and Interface States in MS Structure**
KINACI B.

JOURNAL OF POLYTECHNIC-POLITEKNIK DERGISI, vol.20, no.2, pp.313-318, 2017 (ESCI)

III. The Effect of Concentrated System on The Energy Conversion Efficiency of GaAsP/GaAs/Ge Triple Junction Solar Cell

Kınacı B., Özen Y., Akın N., Özçelik S.

Balkan Physics Letters, vol.24, no.24, pp.220-224, 2016 (Peer-Reviewed Journal)

IV. Temperature Dependence Electrical Characteristics of n-GaAs Structure Grown by MBE

Kınacı B., Asar T., Özen Y., Altındal Ş., Mammadov T., Özçelik S.

Azerbaijan Journal of Physics, Fizika, vol.16, no.2, pp.335-338, 2010 (Peer-Reviewed Journal)

V. Characterization of MBE Grown InGaAs / GaAs Quantum Well Solar Cells (QWSCs)

ASAR T., KINACI B., AYDEMİR U., MAMMADOV T., ÖZÇELİK S.

Azerbaijan Journal of Physics, Fizika, vol.16, no.2, pp.460-462, 2010 (Peer-Reviewed Journal)

VI. Series resistance effect on I-V characteristics of Au / n-InP Schottky barrier diodes (SBDs) in the temperature range of 80-400 K

KORUCU D., ASAR T., KINACI B., AYDEMİR U., MAMMADOV T., ÖZÇELİK S.

Azerbaijan Journal of Physics, Fizika, vol.15, no.2, pp.195-198, 2009 (Peer-Reviewed Journal)

VII. Epitaxial Growth and Characterization of GaAs_{1-x}P_x / GaAs Structure

KINACI B., ASAR T., ÇETİN S. Ş., MAMMADOV T. S., ÖZÇELİK S.

Balkan Physics Letters, vol.15, no.1, pp.151049, 2009 (Peer-Reviewed Journal)

Books & Book Chapters

I. Observation of Anomalous Dielectric Behavior in the Wide Temperature Range of MIS Structure with STO Interlayer

KINACI B., ÇETİNKAYA Ç., ÇOKDUYGULULAR E.

in: INSAC Natural and Engineering Sciences, , Editor, Duvar Yayınları, pp.109-120, 2021

Refereed Congress / Symposium Publications in Proceedings

I. Perovskite Solar Cell Designs by Based on Machine Learning

Kara S. G., Ataşer T., Kınacı B., Akın Sönmez N., Özçelik S.

TURKISH PHYSICAL SOCIETY 39 TH INTERNATIONAL PHYSICS CONGRESS, Muğla, Turkey, 31 August - 04 September 2023, pp.174

II. Development of Silver Nanowire Electrodes by Inkjet Printing Technique for Flexible Solar Cells

Serbest B., Ataşer T., Kınacı B., Akın Sönmez N., Özçelik S.

10th International Congress on Fundamental and Applied Sciences 2023 , İstanbul, Turkey, 6 - 08 June 2023, pp.81

III. Effect of Metal Contact Selection on the Electrical Characterization of ZnSe Thin Film

Balcı E., Ataşer T., Akın Sönmez N., Çetinkaya Ç., Çokduygulular E., Kınacı B.

9th International Conference on Materials Science and Nanotechnology for Next Generation, Ankara, Turkey, 22 - 24 October 2022, pp.63

IV. Production of V₂O₅ Doped Soda-Silicate Glasses with Classical Melt-Quenching Technique and Physical Characterization of These Oxide Glasses

ÇETİNKAYA ÇOLAK S., KINACI B., Ercan C.

Turkish Physical Society-36th International Physics Congress (TPS-36), Muğla/Bodrum, Turkey, 1 - 05 September 2020

V. Production of V₂O₅ Doped Soda-Silicate Glasses with Classical Melt-Quenching Technique and Optical Characterization of These Oxide Glasses

ÇETİNKAYA ÇOLAK S., KINACI B.

Türk Fizik Derneği 35. Uluslar arası Fizik Kongresi-TFD35, 4 - 09 September 2019

VI. A Comparison of Characteristics of Heterojunction Pin Solar Cells Based on Dilute Bismide and

Dilute Nitride Alloys

Muhammetgulyyev A., Erbaş Ö. G., SARCAN F., KINACI B., DÖNMEZ Ö., ÇELEBİ Y. G., EROL A.

INTERNATIONAL CONFERENCE ON CONDENSED MATTER AND MATERIALS SCIENCE, 11 - 15 October 2017

- VII. **Analysis of the Temperature Dependence of the Capacitance–Voltage Characteristic of Au/SrTiO₃/p-Si Structures**
ÖZEN Y., KINACI B., Halil İbrahim E., Akın Sönmez N., ÖZÇELİK S.
INTERNATIONAL CONFERENCE ON CONDENSED MATTER AND MATERIALS SCIENCE, 11 - 15 October 2017
- VIII. **Study on the Design and Optic Characterization of n-i-p-i GaInNAs Solar Cell**
KINACI B., Muhammetgulyyev A., EROL A.
INTERNATIONAL CONFERENCE ON CONDENSED MATTER AND MATERIALS SCIENCE, 11 - 15 October 2017
- IX. **DESIGN OF HIGH EFFICIENCY GAINP/GAAS SOLAR CELL USING DRIFT-DIFFUSION THEORY**
KINACI B., Muhammetgulyyev A., ÖZEN Y., Akın Sönmez N., ÖZÇELİK S.
THE PRODUCTION OF MULTI JUNCTION III-V PHOTOVOLTAIC DEVICES, 5 - 10 September 2017
- X. **CDTE/CDS SOLAR CELL STRUCTURE WITH MOO₃/AU BACK CONTACT**
KINACI B., ÖZEN Y., SÜRÜCÜ G.
TURKISH PHYSICAL SOCIETY 33RD INTERNATIONAL PHYSICS CONGRESS, 5 - 10 September 2017
- XI. **Characterization of Heterojunction pinSolar Cells Based on Dilute Bismide and Dilute Nitride**
Muhammetgulyyev A., SARCAN F., KINACI B., DÖNMEZ Ö., EROL A.
8thInternational Workshop on Bismuth-Containing Semiconductors, 23 - 26 July 2017
- XII. **The Effects of Concentrated System on the Electrical Parameters of GaInP/GaAs Solar Cell**
KINACI B.
32nd International Physics Congress of Turkish-Physical-Society (TPS), Bodrum, Turkey, 6 - 09 September 2016, vol.1815
- XIII. **CHARACTERİZATİON OF HETERO STRUCTURE SİNGLE PİN JUNCTİON SOLAR CELLS BASED ON III N V AND III Bİ V ALLOYS**
MUHAMMETGULYYEV A., KINACI B., DÖNMEZ Ö., EROL A.
SOLARTR2016, 6 - 08 November 2016
- XIV. **Deposition of Boron Doped Graphene for CdTe Solar Cell Applications**
SÜRÜCÜ G., BAYRAKLI Ö., Özen Y., KINACI B.
2nd International Congress on the World of Technology and Advanced Materials, Kırşehir, Turkey, 28 September - 02 October 2016
- XV. **The Influence of Concentrated System on the Efficiency of GaInP GaAs Ge Concentrated Solar Cell**
KINACI B.
2nd International Congress on the World of Technology and Advanced Materials, Kırşehir, Turkey, 28 September - 02 October 2016
- XVI. **The Efficiency Analysis of GaInP GaAs Ge Concentrated Solar Cell**
KINACI B., Özen Y., Akın N., ÖZÇELİK S.
Turkish Physical Society 32nd International Physics Congress, Muğla, Turkey, 6 - 09 September 2016
- XVII. **Yoğunlaştırılmış Üç Eklemlı Güneş Hücre Yapısının Elektiriksel Analizi**
Özen Y., Akın N., KINACI B., ÖZÇELİK S.
21. Yoğun Madde Fiziği Toplantısı, Turkey, 25 December 2015, pp.98
- XVIII. **Reaktif Büyütülen MgO 40ZnO 600 İnce Filmlerin Karakterizasyonları**
Akın N., Akçay N., Özen Y., KINACI B., SÜRÜCÜ G., ÖZÇELİK S.
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- XIX. **Performance Evaluation of CdTe CdS Solar Cell Structure With Concentrated Photovoltaic System**
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