

Prof. BARIŞ KINACI

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. **Aerosol Jet Printing of Flexible Transparent Conductive Silver Nanowire Electrodes: Effects of Printing Cycles**
SERBEST B., Kara S. G., Alpaya R., ATAŞER T., KINACI B., AKIN SÖNMEZ N., ÖZÇELİK S.
JOURNAL OF ELECTRONIC MATERIALS, vol.54, no.2, pp.1245-1253, 2025 (SCI-Expanded)
- II. **Analysis of Nb-doped and undoped TiO₂ nanocoatings with varying dopant concentrations**
Arslan Ö., Efkere H. İ., Çokduygulular E., Çetinkaya Ç., İldeş C., Kınacı B.
Journal of Materials Science: Materials in Electronics, vol.36, no.1, 2025 (SCI-Expanded)
- III. **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)
- IV. **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., Kınacı B.
SCIENTIFIC REPORTS, vol.14, no.1, 2024 (SCI-Expanded)
- V. **Electrical and dielectric properties of RF sputtered nano Al₂O₃ film annealed at 400 °C**
Yalçın Y., Arslan Ö., İldeş C., Çokduygulular E., Çetinkaya Ç., Kınacı B.
JOURNAL OF MATERIALS SCIENCE: MATERIALS IN ELECTRONICS, vol.34, no.25, pp.1786, 2023 (SCI-Expanded)
- VI. **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**
Balci E., Kınacı 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)
- VII. **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., Kınacı B.
SCIENTIFIC REPORTS, vol.13, no.1, pp.7548, 2023 (SCI-Expanded)
- VIII. **Tailoring optimal translocation conditions towards proximity of borotellurite glasses to the red spectrum through CeO₂ for practical applications**
Çetinkaya Ç., Çokduygulular E., Kınacı B., İlik E., Kilic G., Almisned G., Zakaly H. M., Ene A., Tekin H.
HELIYON, vol.9, no.4, pp.1-2, 2023 (SCI-Expanded)
- IX. **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., Kınacı B., Kilic G., Tekin H.
OPTICAL MATERIALS, vol.135, pp.113301, 2023 (SCI-Expanded)
- X. **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)

- XI. **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., Kinacı B., Guzelcimen F., Özen Y., Akın Sönmez N., Özçelik S.
SCIENTIFIC REPORTS, vol.12, no.1, 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. **Evaluation of dielectric properties of Au/TZO/n-Si structure depending on frequency and voltage**
Kinacı 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)
- XIV. **Dielectric Properties of Au/SrTiO₃/p-Si Structure Obtained by RF Magnetron Sputtering in a Wide Frequency Range**
Kinacı B.
SILICON, vol.14, no.6, pp.2717-2722, 2022 (SCI-Expanded)
- XV. **Influence of V₂O₅ and B₂O₃ addition on the sintering behaviour and physical properties of ZnO ceramics**
Yüksel Price B., Hardal G., Kinacı B.
Processing and Application of Ceramics, vol.16, no.1, pp.48-54, 2022 (SCI-Expanded)
- XVI. **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., Kinacı B., Güzelçimen F., Özen Y., Efkere H. İ., Candan İ., Emik S., Özçelik S.
Scientific Reports, vol.11, no.1, 2021 (SCI-Expanded)
- XVII. **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., Kinacı B., Aydın S. Ş., Ates H., Özçelik S.
PHYSICA B-CONDENSED MATTER, vol.622, 2021 (SCI-Expanded)
- XVIII. **Evaluation on output parameters of the inverted organic solar cells depending on transition-metal-oxide based hole-transporting materials**
Çetinkaya Ç., Çokduygulular E., Kinacı B., Güzelçimen F., Candan İ., Efkere H. İ., Özen Y., Özçelik S.
Optical Materials, vol.120, 2021 (SCI-Expanded)
- XIX. **Structural, morphological, optical and electrical properties of the Ti doped-ZnO (TZO) thin film prepared by RF sputter technique**
Bairam C., Yalçın Y., EFKERE H. İ., ÇOKDUYGULULAR E., ÇETİNKAYA Ç., KINACI B., ÖZÇELİK S.
PHYSICA B-CONDENSED MATTER, vol.616, 2021 (SCI-Expanded)
- XX. **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)
- XXI. **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., Kinacı B., Özçelik S.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.32, no.9, pp.12330-12339, 2021 (SCI-Expanded)
- XXII. **The temperature dependent negative dielectric constant phenomena of Au/n-GaAs structure with CZO interfacial layer**
Kinacı B.

JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.32, no.5, pp.5928-5935, 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. **Investigation of V-groove fabricated GaInNAs nipi solar cell structure**
Muhammetgulyyev A., Yalcin Y., Kuruoglu F., ÇOKDUYGULULAR E., Kinaci B., Erol A.
OPTICAL AND QUANTUM ELECTRONICS, vol.53, no.1, 2021 (SCI-Expanded)
- XXV. **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)
- XXVI. **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)
- XXVII. **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)
- XXVIII. **Characterization of a GaAs/GaAsBi pin solar cell**
Muhammetgulyyev A., ERBAŞ Ö. G., KINACI B., DÖNMEZ Ö., ÇELEBİ Y. G., EROL A.
SEMICONDUCTOR SCIENCE AND TECHNOLOGY, vol.34, no.8, 2019 (SCI-Expanded)
- XXIX. **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)
- XXX. **V-groove etched 1-eV-GaInNAs nipi solar cell**
Muhammetgulyyev 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)
- XXXI. **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)
- 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. **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)
- XXXIV. **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)
- XXXV. **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)
- XXXVI. **Microstructural defect properties of InGaN/GaN blue light emitting diode structures**

- Bas Y., Demirel P., Akın Sönmez N., Baskose C., Özen Y., Kınacı B., Ozturk M. K., Ozcelik S., Ozbay E.
Journal of Materials Science: Materials in Electronics, vol.25, pp.3924-3932, 2014 (SCI-Expanded)
- XXXVII. **Study on growth and characterizations of $GaxIn_{1-x}P/GaAs$ 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)
- XXXVIII. **Analysis of the Temperature Dependence of the Capacitance-Voltage and Conductance-Voltage Characteristics of $Au/TiO_2(\text{rutile})/n\text{-Si}$ Structures**
KINACI B., ÖZÇELİK S.
JOURNAL OF ELECTRONIC MATERIALS, vol.42, no.6, pp.1108-1113, 2013 (SCI-Expanded)
- XXXIX. **Effect of alloy composition on structural, optical and morphological properties and electrical characteristics of $GaxIn_{1-x}P/GaAs$ 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)
- XL. **Electrical characterization of $Au/ZnO/TiO_2/n\text{-Si}$ and $(Ni/Au)/ZnO/TiO_2/n\text{-Si}$ 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)
- XLI. **The temperature dependent analysis of $Au/TiO_2(\text{rutile})/n\text{-Si}$ (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)
- XLII. **Current-voltage (I-V) characteristics of $Au/InGaAs/n\text{-GaAs}$ Schottky barrier diodes**
KINACI B., Corekci S., Kizilkaya K., Ozcelik S.
Optoelectronics and Advanced Materials, Rapid Communications, vol.6, pp.327-330, 2012 (SCI-Expanded)
- XLIII. **Analysis of the forward and reverse bias I-V characteristics on $Au/PVA: Zn/n\text{-Si}$ 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)
- XLIV. **The analysis of $Au/TiO_2/n\text{-Si}$ 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)
- XLV. **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)
- 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)
- XLVII. **Effect of different P/As ratio on the optical and structural properties of $GaAs_{1-x}Px/GaAs$**
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)

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., Akn 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., Akn 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. **CHARACTERİZATIÖN OF HETERO STRUCTURE SİNGLE PİN JUNCTİÖN 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**
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Publication: 79

Citation (WoS): 656

Citation (Scopus): 683

H-Index (WoS): 16

H-Index (Scopus): 16