

Prof. İLKNUR KARS DURUKAN

Personal Information

Email: ilknurdurukan@gazi.edu.tr

Web: <https://avesis.gazi.edu.tr/ilknurkars>

International Researcher IDs

ScholarID: mtKX72MAAAAJ

ORCID: 0000-0001-5697-0530

Publons / Web Of Science ResearcherID: AHE-4510-2022

ScopusID: 55442998300

Yoksis Researcher ID: 131893

Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Fizik (Dr), Turkey 2007 - 2013

Postgraduate, Gazi University, Fen Bilimleri Enstitüsü, Fizik (YI) (Tezli), Turkey 2004 - 2007

Undergraduate, Gazi University, Fen Fakültesi, Fizik Bölümü, Turkey 2000 - 2004

Dissertations

Doctorate, Al:ZnO ince filmlerin büyütülmesi ve biyo-sensör özelliklerinin incelenmesi, Gazi University, Fen Bilimleri Enstitüsü, Fizik (Dr), 2013

Postgraduate, Al_{0.2}Ga_{0.8}As/GaAs çoklu kuantum kuyusunun yapısal ve optik özelliklerinin incelenmesi, Gazi University, Fen Bilimleri Enstitüsü, Fizik (YI) (Tezli), 2007

Research Areas

Natural Sciences

Academic Titles / Tasks

Professor, Gazi University, Fen Fakültesi, Fizik, 2024 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- Investigation of the structural, mechanical, anisotropic, thermal conductivity, electronic, and phonon properties of RhTiZ (Z: As, Sb) half heusler compounds under high pressure: A DFT study**
KARS DURUKAN İ., ÇİFTÇİ Y.
Physica B: Condensed Matter, vol.694, 2024 (SCI-Expanded)
- Analyzing the physical properties of perovskite oxides CeBO₃ (B=Be, Mg) for optoelectronic and thermoelectric applications**
Ali A., Anissa B., Radouane D., Durukan İ.
Modern Physics Letters B, vol.38, no.28, 2024 (SCI-Expanded)

- III. **A new candidate for optoelectronic device applications: CoTiX (X: P, As, Sb) half-heusler compounds**
Durukan İ. K., Ciftci Y. O., Tekin H.
PHYSICA B: CONDENSED MATTER, vol.678, pp.1-16, 2024 (SCI-Expanded)
- IV. **Computational analysis of the physical properties of AlNi intermetallic compound: pressure effect**
KARS DURUKAN İ., Oztekin Ciftci Y.
Indian Journal of Physics, vol.98, no.3, pp.889-901, 2024 (SCI-Expanded)
- V. **Emergent properties resulting from type-II band alignment in a new lateral (α -PbO/ α -SnO) heterostructure**
Bakhtatou A., Hamidani A., Zanat K., ÇİFTÇİ Y., Durukan İ., Ersan F.
Journal of Physics and Chemistry of Solids, vol.183, 2023 (SCI-Expanded)
- VI. **Mechanical, vibration, and optical properties of IrAl intermetallic compound via DFT calculations: high-pressure effect**
Durukan İ. K.
PHYSICA SCRIPTA, vol.98, no.7, pp.1-16, 2023 (SCI-Expanded)
- VII. **The mechanical, dynamical, thermodynamical properties and elastic anisotropies of cubic YbAu compound under pressure**
KARS DURUKAN İ., EVECEN M., ÇİFTÇİ Y.
MATERIALS TODAY COMMUNICATIONS, vol.33, 2022 (SCI-Expanded)
- VIII. **Pressure effects on structural, electronic and anisotropic elastic properties of Si doped RuGe compound with different concentrations by first-principles calculations**
ÇİFTÇİ Y., ÇOBAN C., EVECEN M., Durukan İ. K.
MATERIALS CHEMISTRY AND PHYSICS, vol.291, 2022 (SCI-Expanded)
- IX. **Study of structural, electronic, elastic, optical and thermoelectric properties of half-Heusler compound RbScSn: A TB-mBJ DFT study**
Anissa B., Radouan D., KARS DURUKAN İ.
OPTICAL AND QUANTUM ELECTRONICS, vol.54, no.6, 2022 (SCI-Expanded)
- X. **First-principles study on B2 based XAl(X = Rh, Ru)compounds**
KARS DURUKAN İ., ÇİFTÇİ Y.
PHYSICA SCRIPTA, vol.96, no.12, 2021 (SCI-Expanded)
- XI. **First-principles calculations of vibrational and optical properties of half-Heusler NaScSi**
Kars Durukan İ., Oztekin Ciftci Y.
INDIAN JOURNAL OF PHYSICS, vol.95, no.11, pp.2303-2312, 2021 (SCI-Expanded)
- XII. **Ab-initio study on physical properties of intermetallic LiPb compound**
Durukan İ., ÇİFTÇİ Y.
Journal of Computational Science, vol.54, 2021 (SCI-Expanded)
- XIII. **Anisotropic Elastic, Electronic and Vibrational Properties of the Semiconductor AgScX (X = Ge, C) Compounds**
Kars Durukan İ., Çiftci Y.
JOURNAL OF ELECTRONIC MATERIALS, vol.49, no.3, pp.1849-1856, 2020 (SCI-Expanded)
- XIV. **The Effect of Pressure on Elastic Anisotropy, Vibration and Optical Properties of a AgScSi Compound**
Durukan İ., Ciftci Y.
JOURNAL OF ELECTRONIC MATERIALS, vol.48, no.6, pp.4050-4056, 2019 (SCI-Expanded)
- XV. **Analyzing the AlGaN/AlN/GaN Heterostructures for HEMT Applications**
Durukan İ., Akpinar O., Avar C., Gultekin A., Ozturk M. K., Ozcelik S., Ozbay E.
JOURNAL OF NANOELECTRONICS AND OPTOELECTRONICS, vol.13, no.3, pp.331-334, 2018 (SCI-Expanded)
- XVI. **Microstructural Analysis with Graded and Non-Graded Indium in InGaN Solar Cell**
KARS DURUKAN İ., Ozturk M. K., ÇÖREKÇİ S., Tamer M., Bas Y., ÖZÇELİK S., ÖZBAY E.
JOURNAL OF NANOELECTRONICS AND OPTOELECTRONICS, vol.12, no.2, pp.109-117, 2017 (SCI-Expanded)
- XVII. **Examination of the temperature related structural defects of InGaN/GaN solar cells**
KARS DURUKAN İ., Bayal O., Kurtulus G., Bas Y., Gultekin A., Ozturk M. K., ÇÖREKÇİ S., Tamer M., ÖZÇELİK S., ÖZBAY E.

- SUPERLATTICES AND MICROSTRUCTURES, vol.86, pp.379-389, 2015 (SCI-Expanded)
- XVIII. **The study on characterizations of SrTiO₃ thin films with different growth temperatures**
Kinacı B., Akın Sönmez N., Durukan İ., Memmedli T., Ozcelik S.
SUPERLATTICES AND MICROSTRUCTURES, vol.76, pp.234-243, 2014 (SCI-Expanded)
- XIX. **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., Kinacı 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)
- XX. **Effects of annealing and deposition temperature on the structural and optical properties of AZO thin films**
Durukan İ., Özen Y., Kizilkaya K., Ozturk M. K., Memmedli T., Ozcelik S.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.24, pp.142-147, 2013 (SCI-Expanded)
- XXI. **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)
- XXII. **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)
- XXIII. **Electrical characterization of current conduction in Au/TiO₂/n-Si at wide temperature range**
Altuntas H., Bengi A., Aydemir U., Asar T., Cetin S. Ş., Kars İ., Altindal Ş., Ozcelik S.
MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING, vol.12, no.6, pp.224-232, 2009 (SCI-Expanded)

Articles Published in Other Journals

- I. **DFT STUDIES ON ELECTRONIC, ELASTIC, THERMOELECTRIC AND OPTICAL PROPERTIES OF NEW HALF-HEUSLER XRhZ (X =V, Nb AND Z = Si, Ge) SEMICONDUCTORS**
Ahmed B. S., Anissa B., Radouan D., Al Bouzieh N., Durukan İ., Amrane N.
East European Journal of Physics, vol.2024, no.1, pp.294-307, 2024 (ESCI)
- II. **ANALYSIS OF TiFe INTERMETALLIC COMPOUND BY DFT**
Taş E., kars durukan i., Çiftci Y.
Journal of scientific reports-A (Online), no.053, pp.118-130, 2023 (Peer-Reviewed Journal)
- III. **DFT Analysis of Mechanical and Dynamic Properties of CuBe**
KARS DURUKAN İ., Oztekin Ciftci Y.
Gazi University Journal of Science, vol.35, no.4, pp.1652-1663, 2022 (Scopus)
- IV. **Synthesis and Characterization of Silver Nanoparticles and Coating with Chitosan**
ATEŞ M., YILMAZ E., KAR B., KARS DURUKAN İ.
JOURNAL OF POLYTECHNIC-POLITEKNIK DERGISI, vol.24, pp.1401-1408, 2021 (ESCI)
- V. **Ecotoxicity Study of Iron Oxide Nanoparticles on Chlorella Sp. and Daphnia Magna**
Ertit Taştan B., Kars Durukan İ., Ateş M.
JOURNAL OF POLYTECHNIC-POLITEKNIK DERGISI, vol.23, no.4, pp.1073-1079, 2020 (ESCI)
- VI. **Crystal Size and Stress Account in Reciprocal Space Map**
Kars Durukan İ., Ozturk M. K., Ozcelik S., Ozbay E.
JOURNAL OF POLYTECHNIC-POLITEKNIK DERGISI, vol.22, no.1, pp.1-9, 2019 (ESCI)
- VII. **InGaN/GaN Yapıların Mozaik Yapı Analizi**
KARS DURUKAN İ., ÖZTÜRK M., ÖZÇELİK S., ÖZBAY E.
Avrupa Bilim Ve teknoloji Dergisi, 2018 (Peer-Reviewed Journal)
- VIII. **Analyzing The InGaN LED Structures for White LED Applications**
Kars Durukan İ., Ozturk M. K., Özçelik S., Özbay E.
JOURNAL OF POLYTECHNIC-POLITEKNIK DERGISI, vol.20, no.3, pp.531-536, 2017 (ESCI)

- IX. **Analysis of the Mosaic Defects in Graded and Non Graded Insub_x/subGasub1-x/subN Solar Cell Structures**
KARS DURUKAN İ., ÖZTÜRK M., ÖZÇELİK S., ÖZBAY E.
Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.21, no.1, pp.235, 2017 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **ANALYSIS OF STRUCTURAL, ELECTRONIC, MECHANICAL AND THERMODYNAMIC PROPERTIES OF Ir₃TiC COMPOUND USING DFT**
KARS DURUKAN İ., ÇİFTÇİ Y.
2nd International Karatekin Science and Technology Conference (IKSTC2nd), Çankırı, Turkey, 21 - 22 December 2023
- II. **Some physical properties of B2 type AgY intermetallic compound from Ab-initio Calculations**
ÇİFTÇİ Y., KARS DURUKAN İ.
2nd International Karatekin Science and Technology Conference (IKSTC2nd), Çankırı, Turkey, 21 - 22 December 2023
- III. **THE INFLUENCE OF PRESSURE ON THE STRUCTURAL AND ELASTIC PROPERTIES OF THE CuY INTERMETALLIC COMPOUND**
KARS DURUKAN İ., ÇİFTÇİ Y.
2nd International Karatekin Science and Technology Conference (IKSTC2nd), Çankırı, Turkey, 21 - 22 December 2023
- IV. **Effect of Pressure on Optoelectronic Properties of Ir₃ZrC Compound**
ÇİFTÇİ Y., KARS DURUKAN İ.
2nd International Karatekin Science and Technology Conference (IKSTC2nd), Çankırı, Turkey, 21 - 22 December 2023
- V. **ANALYSIS OF STRUCTURAL AND OPTIC PROPERTIES OF TiZn INTERMETALLIC COMPOUND**
KARS DURUKAN İ., ÇİFTÇİ Y.
3. INTERNATIONAL CONGRESS ON CONTEMPORARY SCIENTIFIC RESEARCH, Adana, Turkey, 7 - 08 August 2023
- VI. **ANALYSIS OF STRUCTURAL AND MECHANICAL PROPERTIES OF YHg INTERMETALLIC COMPOUND**
KARS DURUKAN İ., demir f., ÇİFTÇİ Y.
3. INTERNATIONAL CONGRESS ON CONTEMPORARY SCIENTIFIC RESEARCH, Adana, Turkey, 7 - 08 August 2023
- VII. **CONCENTRATION DEPENDENCE OF STRUCTURAL AND MECHANICAL AND ELECTRONIC PROPERTIES OF IrTi_{1-x}Zn_x INTERMETALIC COMPOUND**
ÇİFTÇİ Y., KARS DURUKAN İ.
3. INTERNATIONAL CONGRESS ON CONTEMPORARY SCIENTIFIC RESEARCH, Adana, Turkey, 7 - 08 August 2023
- VIII. **TRANSITION METAL ADDING ON B2-TYPE TiC₁ COMPOUND FOR PHYSICAL PROPERTIES : AB-INITIO CALCULATIONS**
ÇİFTÇİ Y., KARS DURUKAN İ.
3. INTERNATIONAL CONGRESS ON CONTEMPORARY SCIENTIFIC RESEARCH, Adana, Turkey, 7 - 08 August 2023
- IX. **Computational Study of Structural, Electronic Mechanical and Optical Properties of Antiperovskite PNSr₃ Compound**
Gemici İ. A., ÇİFTÇİ Y., KARS DURUKAN İ.
3. INTERNATIONAL CONGRESS ON CONTEMPORARY SCIENCE RESEARCH, Ankara, Turkey, 07 August 2023
- X. **Thermodynamic Properties of Half -Heusler Semiconductor RhTiSb Compound**
KARS DURUKAN İ., ÇİFTÇİ Y.
ICMATSE, Turkey, 27 - 29 October 2022
- XI. **Defect effects on hardness of B2-type YIn Compound**
KARS DURUKAN İ., ÇİFTÇİ Y.
ECRES 2022, İstanbul, Turkey, 07 May 2022
- XII. **Theoretical Analysis of Thermodynamic Properties of RhTiAs Half Heusler Compound**

- KARS DURUKAN İ., ÇİFTÇİ Y.
ECRES 2022, İstanbul, Turkey, 07 May 2022
- XIII. **Pressure effect on the elastic and electronic properties of RhTiSb Half Heusler compound**
ÇİFTÇİ Y., KARS DURUKAN İ.
ECRES 2022, İstanbul, Turkey, 07 May 2022
- XIV. **Ab-initio study on hydrogen storage of Ni substituted CuZn in B2 structure**
ÇİFTÇİ Y., KARS DURUKAN İ.
ECRES 2022, İstanbul, Turkey, 07 May 2022
- XV. **First-Principles study on thermoelectric and electronic properties of Half-Heusler BeCaGa compound under strain**
ÇİFTÇİ Y., KARS DURUKAN İ.
ECRES 2022, İstanbul, Turkey, 07 May 2022
- XVI. **Optoelectronic Properties of Semiconductor NiHfSi Compound via Ab-initio Methods**
KARS DURUKAN İ., ÇİFTÇİ Y.
ECRES 2022, İstanbul, Turkey, 07 May 2022
- XVII. **THEORETICAL INVESTGATON OF THE MECHANICAL AND ELECTRONIC PROPERTIES OF YbS COMPOUND**
KARS DURUKAN İ., ÇİFTÇİ Y.
3. ULUSLARARASI MÜHENDİSLİK BİLİMLERİ VE MULTİDİSİPLİNER YAKLAŞIMLAR KONGRESİ, Ankara, Turkey, 10 February 2022
- XVIII. **ANALYSIS OF CoTiSb COMPOUND BY FIRST PRINCIPLES METHOD**
KARS DURUKAN İ., ÇİFTÇİ Y.
3. ULUSLARARASI MÜHENDİSLİK BİLİMLERİ VE MULTİDİSİPLİNER YAKLAŞIMLAR KONGRESİ, Ankara, Turkey, 10 February 2022
- XIX. **Effects of Compositions on the Properties of Cu doped ScAu : First-Principles Study**
KARS DURUKAN İ., ÇİFTÇİ Y.
ICMECE, Turkey, 27 - 28 November 2021
- XX. **Effects Effect of Pressure on Physical and Vibrational Properties of YbS Compound**
KARS DURUKAN İ., ÇİFTÇİ Y.
ICMECE, Turkey, 27 - 28 November 2021
- XXI. **Pressure-induced Effects on Phase Transition Elastic Properties, Electronic, Vibrational and Thermodynamic Properties of CeAs Compound :Ab-initio Study**
ÇİFTÇİ Y., KARS DURUKAN İ.
ECRES 2021, Turkey, 21 - 23 April 2021
- XXII. **Analysis of optical properties of the CeTl intermetallic structure**
Kars Durukan İ., Çiftci Y.
ECRES-2021, İstanbul, Turkey, 21 - 23 April 2021, pp.553-555
- XXIII. **The Physical Properties of newly synthesized superconductor compound LaNiGe via Ab-initio calculatios**
Çiftci Y., Kars Durukan İ.
ECRES-2021, İstanbul, Turkey, 21 - 23 April 2021, pp.556-558
- XXIV. **Evaluation of Mechanical and Thermodynamic Properties of BaZn compound by DFT**
Kars Durukan İ., Çiftci Y.
ECRES-2021, İstanbul, Turkey, 21 - 23 April 2021, pp.544-548
- XXV. **A theoretical study of pressure-induced effects on CeAs compound**
Kars Durukan İ., Çiftci Y.
EcRES-2021, İstanbul, Turkey, 21 - 23 April 2021, pp.559-561
- XXVI. **Ab initio Calculations of the Mechanical Vibration and bond Nature of the CdSr Compound**
Kars Durukan İ., Çiftci Y.
ECRES-2021, İstanbul, Turkey, 21 - 23 April 2021, pp.549-552
- XXVII. **The effect of Rh, Ir doping on the structural and elastic properties of CoAl: An ab-initio study**

- KARS DURUKAN İ., ÇİFTÇİ Y.
6th International Conference on Materials Science and Nanotechnology For Next Generation (MSNG2019), 16 - 18 October 2019
- XXVIII. **A first-principles study of B2 TcSi alloyed with Mn,Re**
KARS DURUKAN İ., ÇİFTÇİ Y.
6th International Conference on Materials Science and Nanotechnology For Next Generation (MSNG2019), 16 - 18 October 2019
- XXIX. **Pressure Effect on Phase Transition for CaTe Compound**
ÇİFTÇİ Y., KARS DURUKAN İ.
6th International Conference on Materials Science and Nanotechnology For Next Generation (MSNG2019), 16 - 18 October 2019
- XXX. **Ab-INITIO STUDY OF INTERMETALLIC BaZnIN B2 STRUCTURE FOR ELASTIC AND THERMODYNAMIC PROPERTIES UNDER PRESSURE**
KARS DURUKAN İ., ÇİFTÇİ Y.
2nd International Eurasian Conference on Biological and Chemical Sciences, 28 - 29 June 2019
- XXXI. **Structural, elastic, electronic and vibrational properties of CdSr compound : First-principles study pressure**
KARS DURUKAN İ., ÇİFTÇİ Y.
2nd International Eurasian Conference on Biological and Chemical Sciences, 28 - 29 June 2019
- XXXII. **THEORETICAL STUDY OF STRUCTURAL, ELASTIC ANISOTROPY, ELECTRONIC, AND VIBRATIONAL PROPERTIES OF CuBe COMPOUND**
KARS DURUKAN İ., ÇİFTÇİ Y.
I.LULUSLARARASI 23 NİSAN MULTİDİSİPLİNER ÇALIŞMALAR KONGRESİ, 20 - 23 April 2019
- XXXIII. **FIRST-PRINCIPLES STUDY OF STRUCTURAL, ELASTIC, ELECTRONIC, THERMODYNAMIC PROPERTIES OF RuTi COMPOUND in B2 STRUCTURE**
KARS DURUKAN İ., ÇİFTÇİ Y.
1. ULUSLARARASI 23 NİSAN MULTİDİSİPLİNER ÇALIŞMALAR KONGRESİ, 20 - 23 April 2019
- XXXIV. **A First-Principles Study of Pressure-induced Effects on Phase Transition, Elastic and Electronic Properties of CeTe Compound**
KARS DURUKAN İ., ÇİFTÇİ Y.
EurosianSciTech-2018, 22 - 23 November 2018
- XXXV. **The Pressure Effects on Physical Properties of CeZn Compound in B2 Structure**
KARS DURUKAN İ., ÇİFTÇİ Y.
EurosianSciTech-2018, 22 - 23 November 2018
- XXXVI. **Pressure Effects on Electronic and Elastic Properties of Half-Heusler Semiconductor AgScSi for Optoelectronic Applications**
KARS DURUKAN İ., ÇİFTÇİ Y.
5th International Conference on Materials Science and Nanotechnology For Next Generation, 4 - 06 October 2018
- XXXVII. **CeP : Structural, Electronic, Thermodynamic And Vibrational Properties By First Principles Calculations**
KARS DURUKAN İ., ÇİFTÇİ Y.
Computational Sciences Congress, 26 - 28 October 2018
- XXXVIII. **A First-Principles Study of Pressure-induced Effects on Phase Transition, Elastic, Electronic and Vibrational Properties of CeSb Compound**
KARS DURUKAN İ., ÇİFTÇİ Y.
Computational Sciences Congress, 26 - 28 October 2018
- XXXIX. **Structural, Optic and Vibrational Properties of CeTl Using First-Principles Study**
KARS DURUKAN İ., ÇİFTÇİ Y.
Computational Sciences Congress, 26 - 28 October 2018
- XL. **Toxicity of α -Fe2O3 nanoparticles in aquatic environments**
ERTİT TAŞTAN B., KARS DURUKAN İ., ATEŞ M.

2nd International Water Congress, 29 October - 01 November 2018

- XLII. **InGaN LED LERİN YAPISAL ÖZELLİKLERİNİN XRD İLE İNCELENMESİ**
Kars Durukan İ., Gökçe G., Öztürk M., Özçelik S., Özbay E.
International Advanced Researches Engineering Congress-2017, Osmaniye, Turkey, 16 - 18 November 2017
- XLIII. **Analyzing The AlInN/GaN/AlN Structures For HEMT Based Structures**
Kars Durukan İ., Erkan H., Öztürk M., Özbay E., Özçelik S.
International Advanced Researches Engineering Congress-2017, Osmaniye, Turkey, 16 November - 18 December 2017
- XLIV. **Newly designed silver coated-magnetic, monodisperse polymeric microbeads for the reduction of nitrophenol**
KARS DURUKAN İ., USTA D. D., ediz e., KİP F. Ç., TUNCEL S. A.
Ecology 2017, 11 - 13 May 2017
- XLV. **Synthesis and Characterization of Ag Nanoparticle Based Photocatalysts**
KARS DURUKAN İ., USTA D. D., Ediz E., KİP F. Ç., TUNCEL S. A.
Ecology 2017, 11 - 13 May 2017
- XLVI. **Newly Designed Silver Coated-Magnetic, Monodisperse Polymeric Microbeads for the Reduction of Nitrophenol**
KARS DURUKAN İ., USTA D. D., ediz e., KİP F. Ç., TUNCEL S. A.
Ecology 2017, 11 - 13 May 2017
- XLVII. **Wastewater Treatment with Magnetic Microspheres**
KARS DURUKAN İ., USTA D. D., ediz e., KİP F. Ç., TUNCEL S. A.
INTERNATIONAL CONFERENCE ON ENERGY AND THERMAL ENGINEERING, İstanbul, Turkey, 25 - 28 April 2017
- XLVIII. **SYNTHESIS AND CHARACTERIZATION OF NANOPARTICLE BASED PHOTOCATALYSTS**
KARS DURUKAN İ., USTA D. D., Ediz E., KİP F. Ç., TUNCEL S. A.
INTERNATIONAL CONFERENCE ON ENERGY AND THERMAL ENGINEERING: ISTANBUL 2017, 25 - 28 April 2017
- XLIX. **Wastewater Treatment with Magnetic Microspheres**
KARS DURUKAN İ., USTA D. D., Ediz E., KİP F. Ç., TUNCEL S. A.
INTERNATIONAL CONFERENCE ON ENERGY AND THERMAL ENGINEERING: ISTANBUL 2017, 25 - 28 April 2017
- L. **PHENOL REMOVAL BY MAGNETIC CONTROLLED CONTINUOUS REACTOR SYSTEM**
KARS DURUKAN İ., USTA D. D., Ediz E., Salimi K., TUNCEL S. A.
INTERNATIONAL CONFERENCE ON ENERGY AND THERMAL ENGINEERING: ISTANBUL 2017, 25 - 28 April 2017
- L. **On the variation of the AlN Buffer Thickness of AlGaIn/GaN Heterostructures**
Kars Durukan İ., Karaoğlan E., Akpınar Ö., Öztürk M., Özçelik S., Özbay E.
Inotes symposium and workshop, Tokat, Turkey, 27 - 28 March 2017
- LI. **Structural Analysis of Au, Ti, ZnMnO Metals and Alloys on Ge as Buffer Layer for Optoelectronic Devices**
Kars Durukan İ., Akpınar Ö., Dervişoğlu H., Öztürk M., Baş Y., Gültekin A., Özçelik S.
INOTES Symposium and Workshop, Tokat, Turkey, 27 - 28 March 2017
- LII. **Structural analysis of Au, T, ZnMnO Metals Alloys on Ge as Buffer Layer for Optoelectronic Devices**
Kars Durukan İ., Akpınar Ö., Dervişoğlu H., Öztürk M., Özçelik S., Özbay E.
Innovative Thermal Energy Storage Materials (INOTES) Symposium and Workshop, Muğla, Turkey, 27 - 28 March 2017
- LIII. **Altın kaplı, manyetik, monodispers, polimerik mikroküreler ile Atık Su Arıtımı**
KARS DURUKAN İ., USTA SALIMI D. D., Ediz E., KİP F. Ç., TUNCEL S. A., TEKİNAY T.
3. ULUSAL ÇEVRE KONGRESİ, Turkey, 24 - 28 September 2016
- LIV. **ANALYZING THE InGaN LED STRUCTURES FOR WHITE LED APPLICATION**
KARS DURUKAN İ., Sarıarslan O., ÖZTÜRK M., ÖZÇELİK S., ÖZBAY E.
2 nd International Conference on Organic Electronic Material Technologies (OEMT2016), 17 - 19 May 2016
- LV. **Toxicity of Fe₂O₃ and Fe₂O₃ nanoparticles in aquatic environments**
ERTİT TAŞTAN B., KARS DURUKAN İ., ATEŞ M., TEKİNAY T., Arslan Z.
12th International Symposium on Recent Advances in Environmental Health Research Jackson MS, ABD 13-16

Eylül 2015, 13 - 16 September 2015

- LVI. **Sıcaklığa Bağlı Olarak InGaN Güneş Pilinin Yapı Kusurlarının İncelenmesi**
KARS DURUKAN İ., Pişkin E., Kurtuluş G., ÖZTÜRK M., ÖZÇELİK S., ÖZBAY E.
20. Yoğun Madde Fiziği, Turkey, 26 December 2014
- LVII. **Sıcaklığa bağlı olarak InGaN Güneş Pilinin Yapı Kusurlarının İncelenme**
KARS DURUKAN İ., PİŞKİN E., KURTULUŞ G., ÖZTÜRK M., ÖZÇELİK S., ÖZBAY E.
20. Yoğun Madde Fiziği Ankara Toplantısı, Turkey, 26 December 2014
- LVIII. **Electronic Structural and Defect Properties of InGaN Based Blue Led Structures with Reciprocal Lattice Space Mapping**
KARS DURUKAN İ., Baş Y., Gültekin A., ÖZTÜRK M., ÖZÇELİK S.
Molekuler Electronic Structure Workshop, 1 - 05 September 2014
- LIX. **Effects of Annealing on the Structural and optical Properties of Al:ZnO thin films**
KARS DURUKAN İ., ÖZEN Y., Kızılkaya K., ÖZTÜRK M., MEMMEDLİ T., ÖZÇELİK S.
28. Uluslararası Fizik Kongresi, 6 - 09 September 2011
- LX. **Tavlama Sıcaklığının TiO₂ filmleri Üzerindeki Etkisi**
Kars Durukan İ., Asar T., Aydın S. Ş., Öztürk M., Özçelik S.
16. Yoğun Madde Fiziği, Ankara, Turkey, 06 November 2009
- LXI. **Influence of thermal annealing on the structure and optical properties of DC magnetron sputtered titanium dioxide thin films**
Kars Durukan İ., Aydın S. Ş., Kınacı B., Lişesivdin B., Bengi A., Altuntaş H., Öztürk M., Özçelik S.
13th European Conference on Applications of Surface and Interface Analysis (ECASIA 09), Antalya, Turkey, 18 - 23 October 2009
- LXII. **Effect of Different As/P Ratio on the Optical and Structural Properties of GaAs_{1-x}P_x/GaAs**
ÇETİN S. Ş., KINACI B., ASAR T., KARS DURUKAN İ., ÖZTÜRK M., MAMMADOV T., ÖZÇELİK S.
13th European Conference on Applications of Surface and Interface Analysis, Antalya, Turkey, 18 - 23 October 2009
- LXIII. **Effect of different As/P on the optical and structural properties of GaAs_{1-x}P_x/GaAs**
Aydın S. Ş., Kınacı B., Asar T., Kars Durukan İ., Öztürk M., Memmedli T., Özçelik S.
13th European Conference on Applications of Surface and Interface Analysis (ECASIA 09), Antalya, Turkey, 18 - 23 October 2009
- LXIV. **InP InP ve GaAsP Yapılarının MBE ile Büyütülmesi Kırılma İndisi ve Tabaka Kalınlıklarının Belirlenmesi**
ASAR T., KARS DURUKAN İ., KINACI B., MAMMADOV T., ÖZÇELİK S.
15. Yoğun Madde Fiziği Ankara Toplantısı, Ankara, Turkey, 07 November 2008, pp.63
- LXV. **In_xGa_{1-x}As GaAs Çoklu Kuantum Kuyulu Fotodedektör Yapısının MBE ile Büyütülmesi ve Yapısal Analizi**
KINACI B., ASAR T., KARS DURUKAN İ., MAMMADOV T., ÖZÇELİK S.
15. Yoğun Madde Fiziği Ankara Toplantısı, Ankara, Turkey, 07 November 2008, pp.64
- LXVI. **InP/InP ve InGaAs/InP Yapılarının MBE ile Büyütülmesi: Kırılma İndisi ve Tabaka Kalınlıklarının Belirlenmesi**
ASAR T., KARS DURUKAN İ., KINACI B., MEMMEDLİ T., ÖZÇELİK S.
15. Yoğun Madde Fiziği, Turkey, 07 November 2008
- LXVII. **In_xGa_{1-x}As/GaAs Çoklu kuantum Kuyulu Kuantum Fotodedektör Yapısının MBE ile Büyütülmesi Ve Yapısal Analizi**
KINACI B., ASAR T., KARS DURUKAN İ., MEMMEDLİ T., ÖZÇELİK S.
15. Yoğun Madde Fiziği, Turkey, 07 November 2008
- LXVIII. **InGaAs/GaAs Yapılarının MBE ile Büyütülmesi ve Optik Özelliklerinin İncelenmesi**
KARS DURUKAN İ., ASAR T., KINACI B., MEMMEDLİ T., ÖZÇELİK S.
15. Yoğun Madde Fiziği, Turkey, 07 November 2008
- LXIX. **The Structural and Optical Properties Of GaAsP/GaAs**
KARS DURUKAN İ., ÖZTÜRK M., MEMMEDLİ T., ÖZÇELİK S.

25.Uluslararası Fizik Kongresi, 25 - 29 August 2008

LXX. **Investigation of Structural and Optic Properties of AlGaAs/GaAs Multi Quantum Well**

KARS DURUKAN İ., ÖZTÜRK M., AKAOĞLU B., MEMMEDLİ T., ÖZÇELİK S.

24.Uluslararası Fizik Kongresi, 28 - 31 August 2007

Supported Projects

KARS DURUKAN İ., ÇİFTÇİ Y., Project Supported by Higher Education Institutions, Bazı YarıHesler Yarıiletken Bileşiklerinin Bazı Temel Fiziksel Özelliklerinin Abinitio Yöntemlerle İncelenmesi, 2022 - 2023

KARS DURUKAN İ., TUBITAK Project, Yüksek Hızlı Fotokatalitik Dekompozisyon için Manyetik Nanopartikül Bazlı Fotokatalizörlerin Geliştirilmesi, 2015 - 2017

Metrics

Publication: 105

Citation (WoS): 172

Citation (Scopus): 170

H-Index (WoS): 7

H-Index (Scopus): 8