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

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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

- I. **A new candidate for optoelectronic device applications: CoTiX (X: P, As, Sb) half-heusler compounds**
Kars Durukan İ., Çiftci Y., Tekin H.
PHYSICA B: CONDENSED MATTER, vol.678, pp.1-16, 2024 (SCI-Expanded)
- II. **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)
- III. **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)

- IV. **Mechanical, vibration, and optical properties of IrAl intermetallic compound via DFT calculations: high-pressure effect**
Kars Durukan İ.
PHYSICA SCRIPTA, vol.98, no.7, pp.1-16, 2023 (SCI-Expanded)
- V. **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)
- VI. **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)
- VII. **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)
- VIII. **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)
- IX. **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)
- X. **Ab-initio study on physical properties of intermetallic LiPb compound**
Durukan İ., ÇİFTÇİ Y.
Journal of Computational Science, vol.54, 2021 (SCI-Expanded)
- XI. **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)
- XII. **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)
- XIII. **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)
- XIV. **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)
- XV. **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)
- XVI. **The study on characterizations of SrTiO3 thin films with different growth temperatures**
Kınacı B., Akın Sönmez N., Durukan İ., Memmedli T., Ozcelik S.
SUPERLATTICES AND MICROSTRUCTURES, vol.76, pp.234-243, 2014 (SCI-Expanded)
- XVII. **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., Kınacı 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)

- XVIII. **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)
- XIX. **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)
- XX. **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)
- XXI. **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. **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)
- II. **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)
- III. **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)
- IV. **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)
- V. **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)
- VI. **InGaN/GaN Yapıların Mozaik Yapı Analizi**
KARS DURUKAN İ., ÖZTÜRK M., ÖZÇELİK S., ÖZBAY E.
Avrupa Bilim Ve teknoloji Dergisi, 2018 (Peer-Reviewed Journal)
- VII. **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)
- VIII. **Analysis of the Mosaic Defects in Graded and Non Graded Insubx/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 TICl 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 CeTi 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 NextGeneration (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.ULUSLARARASI 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

- XLI. **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

- XLII. **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

- XLIII. **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

- XLIV. **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
- XLV. **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
- XLVI. **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
- XLVII. **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
- XLVIII. **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
- XLIX. **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/AlIn/GaN Heterostructures**
Kars Durukan İ., Karaoğlu 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
- LIIL. **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 InGaIn LED STRUCTURES FOR WHITE LED APPLICATION**
KARS DURUKAN İ., SARIARSLAN 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 InGaIn 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 InGaIn Güneş Pilinin Yapı Kusurlarının İncelenme**
KARS DURUKAN İ., PIŞKIN 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 InGaIn 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.

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- LX. **Tavlama Sıcaklığının TiO₂ filmleri Üzerindeki Etkisi**
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