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Personal Information

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International Researcher IDs

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Foreign Languages

English, B2 Upper Intermediate

Certificates, Courses and Trainings

Vocational Course, Uluslararası Yayın Yapma Teknikleri Kursu, Gazi Üniversitesi Akademik Yazma Uygulama Ve Araştırma Merkezi, 2019

Dissertations

Doctorate, Bazı Hafif Elementler İle Dekore Edilmiş İki Boyutlu Karbon Allotroplarının Üzerine Hidrojen Depolama Özelliklerinin Ab-initio Yöntemlerle İncelenmesi, Gazi University, Fen Bilimleri Enstitüsü, 2019

Postgraduate, İndiyum çalkojenlerin yapısal, mekanik ve elektronik özelliklerinin Ab- initio yöntemlerle incelenmesi, Gazi University, Fen Bilimleri Enstitüsü, Fizik (YI) (Tezli), 2012

Research Areas

Physics, Interdisciplinary Physics and Related Science and Technology Areas, Condensed Matter 1: Structural, Mechanical and Thermal Properties, Intensive Article 2: Electronic Structure, Electric, Magnetic and Optical Properties

Academic Titles / Tasks

Assistant Professor, Gazi University, Fen Fakültesi, Fizik, 2023 - Continues

Research Assistant PhD, Gazi University, Fen Fakültesi, Fizik, 2009 - 2023

Academic and Administrative Experience

Bölüm Akreditasyon Komisyonu Üyesi, Gazi University, Fen Fakültesi, Fizik, 2020 - Continues

Kalite Güvencesi ve Derecelendirme Kalite Komisyonu Bölüm Üyesi, Gazi University, Fen Fakültesi, Fizik, 2017 - 2020

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **A first-principles prediction on the structural, electronic, elastic, phonon, and transport properties of BaSiN₂**
ÇİFTÇİ Y., ALP İ.
INDIAN JOURNAL OF PHYSICS, vol.96, no.14, pp.4131-4141, 2022 (SCI-Expanded)
- II. **Pressure effects on electronic, elastic, and vibration properties of metallic antiperovskite PbNca₃ by ab initio calculations**
Ciftci Y., Evecen M., Alp İ.
Journal of Molecular Modeling, vol.27, no.1, 2021 (SCI-Expanded)
- III. **Hydrazine decomposition on nickel-embedded graphene**
GENÇ A. E., KÜÇÜK H., ALP İ., Akca A.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.45, no.58, pp.33407-33418, 2020 (SCI-Expanded)
- IV. **The pressure effect on optoelectronic and mechanical properties of chalcopyrite BeSiN₂**
Ciftci Y., Alp İ.
MATERIALS TODAY COMMUNICATIONS, vol.24, 2020 (SCI-Expanded)
- V. **First-principles hydrogen adsorption properties of Li-decorated ThMoB₄-type graphene**
Alp İ., AYDIN S., ÇİFTÇİ Y.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.43, no.33, pp.16117-16127, 2018 (SCI-Expanded)
- VI. **Physical Properties of Superhard Diamond-Like BC₅ from a First-Principles Study**
Alp İ., ÇİFTÇİ Y.
JOURNAL OF ELECTRONIC MATERIALS, vol.47, no.1, pp.272-284, 2018 (SCI-Expanded)

Articles Published in Other Journals

- I. **285 nm AlGa_N-BASED DEEP-ULTRAVIOLET LED WITH HIGH INTERNAL QUANTUM EFFICIENCY: COMPUTATIONAL DESIGN**
ALP İ., ÖNER B. B., EROĞLU E.
Journal of scientific reports-A (Online), no.052, pp.51-64, 2023 (Peer-Reviewed Journal)
- II. **Quantum Efficiency Improvement of InGa_N Near Ultraviolet LED Design by Genetic Algorithm**
ALP İ., ÖNER B. B., EROĞLU E., ÇİFTÇİ Y.
SAKARYA UNIVERSITY JOURNAL OF SCIENCE, vol.27, no.1, pp.94-112, 2023 (Peer-Reviewed Journal)

Books

- I. **STRUCTURAL, ELECTRONIC, ELASTIC, AND VIBRATIONAL PROPERTIES OF THE CHALCOPYRITE SEMICONDUCTOR ZNSIP₂**
ALP İ., ÇİFTÇİ Y.
in: INTERNATIONAL THEORY, RESEARCH AND REVIEWS IN SCIENCE AND MATHEMATICS, Prof. Dr. Hasan AKGÜL, Editor, Serüven Yayinevi, Ankara, pp.1-17, 2023
- II. **THE DISSOCIATION REACTION OF METHANE ON TI-AND CO-EMBEDDED GRAPHENE: A DFT STUDY**
Akça A., Alp İ.
in: Theory and Research in Science and Mathematics, Prof. Dr. E. Nihal ERCAN, Prof. Dr. Hasan AKGÜL, Editor, Gece Publishing, Ankara, pp.45-64, 2020

Papers Published in Refereed Scientific Meetings

- I. **SIGNIFICANT PHYSICAL PROPERTIES OF RuSi COMPOUND UNDER PRESSURE**
Alp İ., Gemici İ. A., Çiftci Y.
3rd International Congress on Contemporary Scientific Research, Adana, Turkey, 7 - 08 August 2023, pp.148-153

- II. **THE OPTICAL AND THERMODYNAMIC CHARACTER OF THE INTERMETALLIC COMPOUND BaCd**
ALP İ., GEMİCİ İ. A., ÇİFTCİ Y.
6. INTERNATIONAL AEGEAN CONFERENCES on Natural & Medical Sciences, İzmir, Turkey, 20 December 2022
- III. **AlPd Bileşiğinin Termodinamik Özellikleri**
Çorbacı G., Akkuş C., ALP İ., ÇİFTCİ Y.
YMF Ankara - 27, Ankara, Turkey, 16 December 2022
- IV. **Light Extraction Efficiency Enhancement of InGaN Near UV LEDs by Genetic Algorithm**
Öner B., Alp İ., Eroğlu E., Aydın S. Ş., Çiftci Y.
International Conference on Advanced Materials Science and Engineering and High Tech Device Applications (ICMATSE 20), Ankara, Turkey, 02 October 2020
- V. **Hydrogen Storage on Sc-decorated Single-vacancy Phosphorene**
Alp İ., Akça A.
Turkish Physical Society-36th International Physics Congress (TPS-36), Muğla, Turkey, 1 - 05 September 2020, pp.88
- VI. **Optimization of ZnO-based Near UV Solar Cell and Light Emitting Devices**
Öner B. B., Alp İ., Eroğlu E., Aydın S. Ş., Çiftci Y.
8th EUROPEAN CONFERENCE on RENEWABLE ENERGY SYSTEMS, İstanbul, Turkey, 24 - 25 August 2020, pp.39
- VII. **H₂S dissociation and adsorption on Cu-embedded graphene surface: A DFT study**
AKÇA A., ALP İ.
2. INTERNATIONAL EUROPEAN CONFERENCE ON INTERDISCIPLINARY SCIENTIFIC RESEARCHES, Turkey, 04 July 2020
- VIII. **BOR INCORPORATION INTO YRh in B₂ STRUCTURE: An AB-INITIO STUDY**
Çiftci Y., Alp İ.
1. Uluslararası 23 Nisan Multidisipliner Çalışmalar Kongresi, Ankara, Turkey, 20 - 23 April 2019, pp.170-174
- IX. **Elastic and Electronic Properties of Zr Doped TiB (ZrxTi1-xB)Alloys By: First-Principles Study**
Çiftci Y., Alp İ.
5th International conference on materials science and nanotechnology for next generation (MSNG2018), Nevşehir, Turkey, 4 - 06 October 2018, pp.266-269
- X. **Hydrogen Storage on Ca-decorated Rectangular Carbon Pentaheptite**
Alp İ., Çiftci Y.
II. International Congress on New Trends in Science, Engineering and Technology, Italy, 4 - 06 September 2018, pp.171
- XI. **Structural, Electronic And Elastic Properties of NaYC Compound Under Pressure**
ÇİFTCİ Y., ALP İ.
II. International Congress on New Trends in Science, Engineering and Technology, Roma, Italy, 4 - 06 September 2018
- XII. **A Potential Half-Heusler Thermoelectric Material NaYGe: A First-Principles Study**
ÇİFTCİ Y., ALP İ.
5th International conference on materials science and nanotechnology for next generation (MSNG2018), Turkey, 04 October 2018
- XIII. **Hydrogen Adsorption Ability of Mg-decorated Graphene Allotrope**
Alp İ., Çiftci Y.
5th International conference on materials science and nanotechnology for next generation (MSNG2018), Nevşehir, Turkey, 4 - 06 October 2018
- XIV. **Some Physical Properties of Optoelectronic Functional Material NaYSi : First-Principles Study**
ÇİFTCİ Y., ALP İ.
5th International conference on materials science and nanotechnology for next generation (MSNG2018), Turkey, 04 October 2018
- XV. **The Physical Properties of Ternary NaYSn Compound: A First-Principles Study**
ALP İ., ÇİFTCİ Y.
5th International conference on materials science and nanotechnology for next generation (MSNG2018), Turkey,

04 October 2018

- XVI. **Electronic and Optical Properties of NaYPb Compound**
ALP İ., ÇİFTÇİ Y.
5th International conference on materials science and nanotechnology for next generation (MSNG2018), Turkey,
04 October 2018
- XVII. **Exploration of Thermoelectricity in NaScGe Half Heusler Compound: A First Principle Study**
Çiftci Y., Alp İ.
6. European Conference on Renewable Energy Systems (ECRES 2018), İstanbul, Turkey, 25 June 2018
- XVIII. **A Theoretical Study of Pressure-Induced Effects on Phase Transition and Elastic Properties of AsTh Compound**
ÇİFTÇİ Y., ALP İ.
6. European Conference on Renewable Energy Systems (ECRES 2018), İstanbul, Turkey, 25 June 2018
- XIX. **The Pressure Effects on Physical Properties of AlNi Compound in B2 Structure**
ÇİFTÇİ Y., ALP İ.
6. European Conference on Renewable Energy Systems (ECRES 2018), İstanbul, Turkey, 25 June 2018
- XX. **High Pressure Physical Properties of AsPu Compound**
ALP İ., ÇİFTÇİ Y.
6. European Conference on Renewable Energy Systems (ECRES 2018), İstanbul, Turkey, 25 June 2018
- XXI. **The Thermodynamical Properties of AsPr via First Principles**
ALP İ., ÇİFTÇİ Y.
6. European Conference on Renewable Energy Systems (ECRES 2018), İstanbul, Turkey, 25 June 2018
- XXII. **Hydrogen Storage on Li-decorated YCrB4-type Graphene Allotrope**
ALP İ., ÇİFTÇİ Y.
6. European Conference on Renewable Energy Systems (ECRES 2018), İstanbul, Turkey, 25 June 2018
- XXIII. **An Ab-initio study on UAl for nuclear applications**
ÇİFTÇİ Y., ÖZCAN A., Alp İ.
3rd International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology,
TESNAT 2017, Adana, Turkey, 10 - 12 May 2017, vol.154
- XXIV. **RhAl: Structural, elastic, electronic, thermodynamic and vibrational properties by first principles calculations**
ÖZCAN A., ÇİFTÇİ Y., ALP İ.
Turkish Physical Society 33rd International Physical Congress, 6 - 10 September 2017, pp.636
- XXV. **The pressure effect on physical properties of CuTiS₂**
ALP İ., ÇİFTÇİ Y.
Turkish Physical Society 33rd International Physics Congress, 6 - 10 September 2017
- XXVI. **Pressure effects on electronic, elastic and vibration properties of metallic antiperovskite PbNCa₃ by ab initio calculations**
ÇİFTÇİ Y., EVECEN M., ALP İ.
Turkish Physical Society 33rd International Physics Congress, 6 - 10 September 2017
- XXVII. **The structural, elastic, electronic, optical and phonon properties of CuTiSe₂**
ALP İ., ÇİFTÇİ Y.
Turkish Physical Society 33rd International Physics Congress, 6 - 10 September 2017, pp.655
- XXVIII. **GeNCa₃: Structure, electronic, elastic, and vibrational properties from first-principles**
ÇİFTÇİ Y., EVECEN M., ALP İ.
Turkish Physical Society 33rd International Physics Congress, Bodrum, Turkey, 6 - 10 September 2017, pp.614
- XXIX. **An ab-initio study of structural, elastic, electronic and optical properties for chalcopyrite semiconductor CaSiN₂ compound**
ÇİFTÇİ Y., ALP İ., MOĞULKOÇ Y.
5. European Conference on Renewable Energy Systems, Bosnia And Herzegovina, 27 - 30 August 2017
- XXX. **DFT DESCRIPTION ON OPTICAL AND ELECTRONIC BEHAVIOR OF MgSiN₂**
ALP İ., ÇİFTÇİ Y.

5. European Conference on Renewable Energy Systems, Saraybosna, Bosnia And Herzegovina, 27 - 30 August 2017, pp.77
- XXXI. **FIRST-PRINCIPLES STUDY OF OF STRUCTURAL, ELASTIC,ELECTRONIC AND THERMOELECTRIC PROPERTIES FOR BaSi₂**
ÇİFTÇİ Y., ALP İ.
5. European Conference on Renewable Energy Systems, Saraybosna, Bosnia And Herzegovina, 27 - 30 August 2017, pp.72
- XXXII. **HIGH-PRESSURE EFFECT ON ZnSi₂: A FIRST-PRINCIPLES STUDY**
ALP İ., ÇİFTÇİ Y.
5. European Conference on Renewable Energy Systems, Saraybosna, Bosnia And Herzegovina, 27 - 30 August 2017, pp.75
- XXXIII. **AB-INITIO CALCULATIONS ON THE THERMOELECTRIC PROPERTIESOF SrSi₂**
ALP İ., ÇİFTÇİ Y.
5. European Conference on Renewable Energy Systems, Saraybosna, Bosnia And Herzegovina, 27 - 30 August 2017, pp.76
- XXXIV. **FIRST -PRINCIPLES STUDY ON SEMICONDUCTOR BeSi₂ WITH CHALCOPYRITE STRUCTURE UNDER PRESSURE**
ÇİFTÇİ Y., ALP İ.
5. European Conference on Renewable Energy Systems, Saraybosna, Bosnia And Herzegovina, 27 - 30 August 2017, pp.73
- XXXV. **FIRST-PRINCIPLES STUDY OF SEMICONDUCTOR LICAN COMPOUND**
Çiftci Y., Alp İ., Aytaç A.
1th INTERNATIONAL CONFERENCE ON ENERGY ANDTHERMAL ENGINEERING, İstanbul, Turkey, 25 - 28 April 2017, pp.275
- XXXVI. **THEORETICAL INVESTIGATIONS OF HALF HEUSLER SEMICONDUCTOR LICASB COMPOUND WITH MGAGAS STRUCTURE UNDER PRESSURE**
Çiftci Y., Alp İ.
1th INTERNATIONAL CONFERENCE ON ENERGY ANDTHERMAL ENGINEERING, İstanbul, Turkey, 25 - 28 April 2017, pp.274
- XXXVII. **AN AB-INITIO STUDY RELATED TO THE OPTICALCHARACTER OF LIBEN**
ALP İ., ÇİFTÇİ Y.
1th INTERNATIONAL CONFERENCE ON ENERGY ANDTHERMAL ENGINEERING, İstanbul, Turkey, 25 - 28 April 2017, pp.276
- XXXVIII. **FIRST-PRINCIPLES CALCULATIONS OF SEMICONDUCTOR LiBeP COMPOUND**
ALP İ., ÇİFTÇİ Y.
1. INTERNATIONAL CONFERENCE ON ENERGY AND THERMAL ENGINEERING: ISTANBUL 2017, İstanbul, Turkey, 25 - 28 April 2017
- XXXIX. **A THEORETICAL STUDY OF STRUCTURAL, ELASTIC, VIBRATION, AND THERMODYNAMIC PROPERTIES FOR HALF-HEUSLER SEMICONDUCTOR LiCaAs COMPOUND USING AB-INITIO METHOD**
Çiftci Y., Alp İ.
1th INTERNATIONAL CONFERENCE ON ENERGY ANDTHERMAL ENGINEERING, İstanbul, Turkey, 25 - 28 April 2017, pp.273
- XL. **THE GROUND STATE PHONON PROPERTIES OF LIBEAS WITHIN DENSITY FUNCTIONAL THEORY**
Alp İ., Çiftci Y.
1th INTERNATIONAL CONFERENCE ON ENERGY ANDTHERMAL ENGINEERING, İstanbul, Turkey, 25 - 28 April 2017, pp.277
- XLI. **Ag Dekore Edilmiş ThMoB₄ Tipi Grafen Allotropunun Hidrojen Depolama Özelliklerinin İlk İlkeler Yöntemi İle İncelenmesi**
ALP İ., ÇİFTÇİ Y., AYDIN S.
22. Yoğun Madde Fiziği Ankara Toplantısı, Ankara, Turkey, 16 December 2016
- XLII. **A FIRST PRINCIPLES STUDIES ON STRUCTURAL AND ELASTIC PROPERTIES OF Sr₂Ge COMPOUND**

ALP İ., ÇİFTÇİ Y.

1st International Mediterranean Science and Engineering Congress (IMSEC 2016), Adana, Turkey, 26 - 28 October 2016

XLIII. A THEORETICAL STUDY ON THE STRUCTURAL ELASTIC AND VIBRATIONAL PROPERTIES OF Sr₂Si COMPOUND

ÇİFTÇİ Y., ALP İ.

1st International Mediterranean Science and Engineering Congress (IMSEC 2016), Adana, Turkey, 26 - 28 October 2016

XLIV. AB INITIO CALCULATIONS FOR THE OPTICAL AND PHONON PROPERTIES OF ANTI FLUORITE SEMICONDUCTOR Sr₂Sn

ÇİFTÇİ Y., ALP İ.

1st International Mediterranean Science and Engineering Congress (IMSEC 2016), Adana, Turkey, 26 - 28 October 2016

XLV. THE PRESSURE DEPENDENCE OF THE SIGNIFICANT PHYSICAL PROPERTIES OF SEMICONDUCTOR Ba₂Si

ALP İ., ÇİFTÇİ Y.

1st International Mediterranean Science and Engineering Congress (IMSEC 2016), Adana, Turkey, 26 - 28 October 2016

XLVI. Structural Elastic Electronic Vibrational of NaMgN Compound with MgAgAs Structure Under Pressure

ALP İ., ÇİFTÇİ Y.

2nd International Congress on The World of Technology and Advanced Materials, Kırşehir, Turkey, 28 September - 02 October 2016

XLVII. First Principles Study on Half Heusler NaMgAs Compound

ALP İ., ÇİFTÇİ Y.

2nd International Congress on The World of Technology and Advanced Materials, Kırşehir, Turkey, 28 September - 02 October 2016

XLVIII. An ab initio Study of Structural Elastic Vibration and Optic Properties for Semiconductor NaAlGe Compound

ÇİFTÇİ Y., ALP İ.

2nd International Congress on The World of Technology and Advanced Materials, Kırşehir, Turkey, 28 September - 02 October 2016

XLIX. Theoretical Investigations of Half Heusler Semiconductor NaMgP Compound with MgAgAs Structure

Alp İ., Çiftci Y.

2nd International Congress on The World of Technology and Advanced Materials, Kırşehir, Turkey, 28 September - 02 October 2016

L. Ab initio Calculations of YbCd Intermetallic Compounds in B2 Structure

ÇİFTÇİ Y., Alp İ., ÖZCAN A.

Turkish Physical Society 32 nd International Physical Congress, Turkey, 6 - 09 September 2016

LI. Study of Structural Elastic Electronic Bonding Behaviour and Vibrational Properties in ScCd Compound By First Principles

Çiftci Y., Alp İ.

Turkish Physical Society 32nd International Physics Congress, Muğla, Turkey, 6 - 09 September 2016

LII. First Principles Investigations of Structural Elastic Electronic Thermodynamic and Vibrational Properties of LaCd Compound

Çiftci Y., Alp İ., Moğulkoç Y., Özcan A.

Turkish Physical Society 32nd International Physics Congress, Muğla, Turkey, 6 - 09 September 2016

LIII. THE FIRST PRINCIPLES CALCULATIONS FOR THE STRUCTURAL ELASTIC ELECTRONIC AND VIBRATIONAL PROPERTIES OF ScHg

ALP İ., ÇİFTÇİ Y.

Turkish Physical Society 32nd International Physics Congress, Muğla, Turkey, 6 - 09 September 2016

- LIV. **PRESSURE DEPENDENCE OF THE PHYSICAL PROPERTIES FOR YbHg COMPOUND**
Alp İ., Çiftci Y.
Turkish Physical Society 32nd International Physics Congress, Muğla, Turkey, 6 - 09 September 2016
- LIV. **Hydrogen adsorption on lithium and beryllium decorated planar ThMoB₄ type graphene allotrope**
ALP İ., AYDIN S., ÇİFTCİ Y.
European Advanced Materials Congress 2016, Stockholm, Sweden, 23 - 25 August 2016
- LVI. **Hydrogen adsorption geometries on magnesium decorated planar ThMoB₄ type graphene allotrope: A first principles study**
ALP İ., AYDIN S., ÇİFTCİ Y.
European Advanced Materials Congress 2016, Stockholm, Sweden, 23 - 25 August 2016
- LVII. **Hydrogen storage on nano level optimized pentaheptite graphene allotrope with sodium decoration**
ALP İ., AYDIN S., ÇİFTCİ Y.
12th Nanoscience and Nanotechnology Conference, Kocaeli, Turkey, 3 - 05 June 2016
- LVIII. **Hydrogen adsorption on Ca decorated hexagonal planar carbon pentaheptite**
ALP İ., ÇİFTCİ Y., AYDIN S.
12th Nanoscience and Nanotechnology Conference, Kocaeli, Turkey, 3 - 05 June 2016
- LIX. **The Effect of Pressure on Structural Electronic Elastic Vibration and Optical Properties of LiScC Compound**
Alp İ., Çiftci Y.
2 nd International Conference on Organic Electronic Material Technologies (OEMT2016), Çanakkale, Turkey, 17 - 19 May 2016
- LX. **Ab initio calculations of semiconductor LiScGe compound**
Çiftci Y., Alp İ.
2 nd International Conference on Organic Electronic Material Technologies (OEMT2016), Çanakkale, Turkey, 17 - 19 May 2016
- LXI. **PRESSURE DEPENDENCE of ELECTRONIC ELASTIC and PHONON PROPERTIES of TiSe₂**
Alp İ., Çiftci Y.
1st International Physics Conference at the Anatolian Peak 2016, Erzurum, Turkey, 25 - 27 February 2016
- LXII. **THE ELECTRONIC STRUCTURE ELASTIC and VIBRATIONAL PROPERTIES of InPd UNDER PRESSURE via FIRST PRINCIPLES CALCULATIONS**
ÇİFTCİ Y., ALP İ.
1st International Physics Conference at the Anatolian Peak 2016, Erzurum, Turkey, 25 - 27 February 2016
- LXIII. **Ta₃B₂ Bileşiminin Yapısal, Elastik, Elektronik ve Titreşimsel Özelliklerinin İncelenmesi**
ALP İ., ÇİFTCİ Y.
21. Yoğun Madde Fiziği - Ankara Toplantısı (YMF-21), Ankara, Turkey, 25 December 2015
- LXIV. **B₂ Fazdaki Şekil Hafızalı Alaşım TaRu'nun Basınca Bağlı Fiziksel Özelliklerinin incelenmesi**
ALP İ., ÇİFTCİ Y.
Adım Fizik Günleri IV, Kütahya, Turkey, 28 May 2015
- LXV. **LuMg Bileşiminin Basınca Bağlı Temel Fiziksel Özelliklerinin Ab-initio Yöntemlerle İncelenmesi**
ÇİFTCİ Y., ALP İ.
Yoğun Madde Fiziği - İzmir Toplantısı 2015, İzmir, Turkey, 17 April 2015
- LXVI. **CeC₂ Bileşiminin Elektronik, Elastik ve Titreşimsel Özelliklerinin Basınç Altında İncelenmesi**
ÇİFTCİ Y., ALP İ.
20. Yoğun Madde Fiziği - Ankara Toplantısı, Ankara, Turkey, 26 December 2014
- LXVII. **InS Bileşiminin Ab-initio Yöntemler İle İncelenmesi**
ALP İ., ÇOLAKOĞLU K., ÇİFTCİ Y.
Yoğun Madde Fiziği - İzmir Toplantısı 2013, İzmir, Turkey, 05 April 2013
- LXVIII. **In₂S₃ Bileşiminin Ab-Initio yöntemler ile incelenmesi**
ALP İ., ÇOLAKOĞLU K., ÖZİŞİK H., ÖZİŞİK H.
Turkish Physical Society 29th International Physics Congress, Muğla, Turkey, 05 September 2012
- LXIX. **NdCo₃ bileşiminin elektronik band yapısı: Ab initio incelemesi**

- ÖZİŞİK H., ÇOLAKOĞLU K., ÇİFTÇİ Y., DELİGÖZ E., ATEŞER E., ALP İ.
18. Yoğun Madde Fiziği - Ankara Toplantısı, Ankara, Turkey, 25 November 2011
- LXX. **K3As7 bileşiğinin yapısal ve elastik özellikleri**
ÖZİŞİK H., ÇOLAKOĞLU K., ÇİFTÇİ Y., DELİGÖZ E., SÜRÜCÜ G., ALP İ.
18. Yoğun Madde Fiziği - Ankara Toplantısı, Ankara, Turkey, 25 November 2011
- LXXI. **First-principles studies of the structural, elastic, electronic, and thermodynamic properties of InSe compound**
ALP İ., ÇOLAKOĞLU K., ÖZİŞİK H., ÖZİŞİK H.
Turkish Physical Society 28th International Physics Congress, Muğla, Turkey, 06 September 2011
- LXXII. **Na3As7 ve Na3As11 Bileşiklerinin Yapısal, Elektronik ve Elastik Özellikleri**
ÖZİŞİK H., ÇOLAKOĞLU K., ÇİFTÇİ Y., DELİGÖZ E., SÜRÜCÜ G., ALP İ.
28.Tfd. International Physics Congress, Muğla, Turkey, 6 - 09 September 2011
- LXXIII. **First Principles Study Of Sodium Hexafluoroantimonate**
ÖZİŞİK H., ÇOLAKOĞLU K., ATEŞER E., DELİGÖZ E., ÖZİŞİK H., ALP İ.
Turkish Physical Society 28th International Physics Congress, Muğla, Turkey, 06 September 2011
- LXXIV. **Ab-initio yöntemlerle InTe bileşiğinin incelenmesi**
ALP İ., KEMAL Ç., ÖZİŞİK H., ÖZİŞİK H., SÜRÜCÜ G.
17. Yoğun Madde Fiziği - Ankara Toplantısı, Ankara Üniversitesi, Ankara, Turkey, 05 November 2010
- LXXV. **First-principles studies of In2Se3 compound**
ALP İ., ÇOLAKOĞLU K., ÖZİŞİK H., ÖZİŞİK H.
Turkish Physical Society 27th International Physics Congress, İstanbul, Turkey, 14 September 2010
- LXXVI. **LiAl Bileşiğinin Yapısal, Elektronik, Elastik ve Termoelastik Özelliklerinin İncelenmesi**
ALP İ., ÇOLAKOĞLU K., ÇİFTÇİ Y., DELİGÖZ E.
16. Yoğun Madde Fiziği - Ankara Toplantısı, Ankara, Turkey, 06 November 2009
- LXXVII. **A First Principles Studies of OsN**
ALP İ., ÇOLAKOĞLU K., ÇİFTÇİ Y., DELİGÖZ E.
Turkish Physical Society 26th International Physics Congress, Muğla, Turkey, 24 September 2009

Supported Projects

Çiftci Y., Kars Durukan İ., Şensoy M. G., Alp İ., Çorbacı G., Gemici İ. A., Alkan D., Project Supported by Higher Education Institutions, Ge ve Sn katkılı/katkısız XSIF3 (X= Rb, K, Cs) Perovskit Güneş Hücrelerinin Teorik Olarak İncelenmesi, 2025 - 2027

ALP İ., ÖNER B. B., Project Supported by Higher Education Institutions, Mikrodalga Bandında Yavaşlatma ve Kavite/Rezonans Yöntemleri İle Elektromanyetik Dalga Tuzaklanması, 2024 - 2025

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