

Prof. Harun Akkuş

Personal Information

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International Researcher IDs

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Yoksis Researcher ID: 20211

Education Information

Doctorate, Cukurova University, Fen Bilimleri Enstitüsü, Fizik, Turkey 2001 - 2007

Postgraduate, Van Yüzüncü Yıl University, Fen Bilimleri Enstitüsü, Fizik, Turkey 1997 - 2000

Undergraduate, Van Yüzüncü Yıl University, Fen Edebiyat Fakültesi, Fizik Bölümü, Turkey 1993 - 1997

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, SbSI Kristalinin Elektronik Ve Optik Özellikleri: Yoğunluk Fonksiyoneli Teorisinin Uygulaması, Cukurova University, Fen Bilimleri Enstitüsü, Fizik, 2007

Postgraduate, Bileşik Manyetik Yapılarda Faz Geçişleri ve Rezonans Frekansları, Van Yüzüncü Yıl University, Fen Bilimleri Enstitüsü, Fizik, 2000

Research Areas

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

Academic Titles / Tasks

Professor, Van Yüzüncü Yıl University, Fen Fakültesi, Fizik Bölümü, 2015 - Continues

Associate Professor, Van Yüzüncü Yıl University, Fen Fakültesi, Fizik Bölümü, 2010 - 2015

Assistant Professor, Van Yüzüncü Yıl University, Fen Fakültesi, Fizik Bölümü, 2009 - 2010

Research Assistant PhD, Van Yüzüncü Yıl University, Fen Fakültesi, Fizik Bölümü, 2007 - 2009

Research Assistant, Cukurova University, Fen Edebiyat Fakültesi, Fizik, 2001 - 2007

Research Assistant, Van Yüzüncü Yıl University, Fen Fakültesi, Fizik Bölümü, 1997 - 2001

Academic and Administrative Experience

Director of The Institution, Van Yüzüncü Yil University, 2021 - Continues
Van Yüzüncü Yil University, Fen Fakültesi, 2017 - Continues
Van Yüzüncü Yil University, Fen Fakültesi, 2017 - Continues
Van Yüzüncü Yil University, Fen Fakültesi, Fizik Bölümü, 2017 - Continues
Van Yüzüncü Yil University, Kalite Komisyonu, 2016 - Continues
Van Yüzüncü Yil University, Fen Fakültesi, Fizik, 2016 - Continues
Van Yüzüncü Yil University, Fen Fakültesi, Fizik Bölümü, 2015 - Continues
Van Yüzüncü Yil University, Fen Fakültesi, 2015 - Continues
Van Yüzüncü Yil University, Temel Bilimler, Fizik, 2015 - 2016
Van Yüzüncü Yil University, Fen Fakültesi, Fizik, 2014 - 2016

Courses

Klasik Elektromanyetik Alan Teorisi, Postgraduate, 2017 - 2018
Kuantum Mekaniği II, Undergraduate, 2015 - 2016, 2014 - 2015
Elektromanyetik Teori II, Undergraduate, 2015 - 2016, 2014 - 2015, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010
Kuantum Mekaniği II, Undergraduate, 2015 - 2016, 2014 - 2015
Elektromanyetik Teori II, Undergraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010
Kalasik Elektromanyetik Alan Teorisi II, Doctorate, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013
Elektromanyetik Teori I, Undergraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010
Varyasyonel İlkeler ve Uygulamaları, Undergraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011
Kuantum Mekaniği I, Undergraduate, 2015 - 2016, 2014 - 2015
Grup Teorisine Giriş, Undergraduate, 2015 - 2016
Mezuniyet Çalışması II, Undergraduate, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011
Kathal Fiziğinde Grup Teorisi, Postgraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2009 - 2010
Grup Teorisine Giriş, Undergraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010
Elektromanyetik Teori I, Undergraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010
Mezuniyet Çalışması II, Undergraduate, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011
Varyasyonel İlkeler ve Uygulamaları, Undergraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011
Kuantum Mekaniği I, Undergraduate, 2015 - 2016, 2014 - 2015
Grup Teorisine Giriş, Undergraduate, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010
Mezuniyet Çalışması I, Undergraduate, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011
Mezuniyet Çalışması I, Undergraduate, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011
Fizikte Varyasyonlar Hesabı, Postgraduate, 2014 - 2015
Kalasik Elektromanyetik Alan Teorisi I, Postgraduate, 2012 - 2013, 2011 - 2012, 2010 - 2011
Fizikte Matematik Metotlar I, Postgraduate, 2012 - 2013
Fizik II, Undergraduate, 2011 - 2012
Fizik I, Undergraduate, 2011 - 2012
Fizik, Undergraduate, 2010 - 2011
Fizik II, Undergraduate, 2009 - 2010
Fizik II, Undergraduate, 2009 - 2010

Fizik I, Undergraduate, 2009 - 2010

Fizik I, Undergraduate, 2009 - 2010

Advising Theses

Akkuş H., A complex plane analysis of dielectric response: Decomposition of $\epsilon_2(\omega)$ spectra into single lorentzian oscillators, Postgraduate, F.AL(Student), 2020

Akkuş H., Bazı RasO4 (R: Dy, Gd, Nd, Tb) kristallerinin fiziksel özelliklerinin yoğunluk fonksiyoneli teorisi ile hesaplanması, Doctorate, R.EDA(Student), 2019

Kavak G., Akkuş H., Yoğunluk fonksiyoneli teorisi (YFT) kullanılarak LiX2Y (X:Rh, Cu, Pd, Ni, Y: Ge, Si) Heusler yapıların yapısal elektronik ve manyetik özelliklerinin incelenmesi, Doctorate, S.AYHAN(Student), 2018

Akkuş H., FARKLI FAZLARDA PEROVSKİT RbNbO3 KRİSTALİNİN FİZİKSEL ÖZELLİKLERİNİN YOĞUNLUK FONKSİYONELİ TEORİSİ İLE İNCELENMESİ, Postgraduate, M.ERZEN(Student), 2017

Akkuş H., YOĞUNLUK FONKSİYONELİ TEORİSİ İLE LuRhO3 BİLEŞİĞİNİN ELEKTRONİK, OPTİK VE DİNAMİK ÖZELLİKLERİNİN İNCELENMESİ, Postgraduate, M.KAVAL(Student), 2017

Akkuş H., ORTOROMBİK CsIO3 KRİSTALİNİN YAPISAL, ELASTİK, ELEKTRONİK, OPTİK, DİNAMİK VE TERMODİNAMİK ÖZELLİKLERİNİN AB İNİTİO YÖNTEMLERLE İNCELENMESİ, Postgraduate, R.KAN(Student), 2016

Akkuş H., Simorfik Olmayan Kübik Uzay Gruplarının Permütasyon Gruplarının Yardımıyla Elde Edilmesi, Postgraduate, V.AYKAN(Student), 2014

Akkuş H., Kübik Simorfik Uzay Gruplarının Permütasyon Gruplarının Yardımıyla Elde Edilişi, Postgraduate, D.TÜRKKAN(Student), 2014

Akkuş H., Kristal Fiziğinde Oh Nokta Grubu, Postgraduate, A.DELİBAŞ(Student), 2014

Akkuş H., BAZI A5B6C7 TİP KRİSTALLERİN ELEKTRO-MEKANİK ÖZELLİKLERİ, Postgraduate, İ.AKŞİT(Student), 2012

Mehmetov E., Akkuş H., Sb2S3 ve SbI3 kristallerin enerji band yapısı ve optik özellikleri: Ab-initio (temel prensip) hesaplamaları, Doctorate, H.KOÇ(Student), 2010

Jury Memberships

Post Graduate, Tez Savunması, Van Yüzüncü Yıl Üniversitesi, December, 2017

Associate Professor Exam, Sözlü Sınavı, ÜAK, October, 2017

Appointment to Academic Staff-Assistant Professorship, Yrd. Doç. Ataması, Mersin Üniversitesi, September, 2017

Post Graduate, Tez Savunması, Van Yüzüncü Yıl Üniversitesi, September, 2017

Associate Professor Exam, Dosya İnceleme, ÜAK, May, 2017

Associate Professor Exam, Dosya İnceleme, ÜAK, May, 2017

Associate Professor Exam, Dosya İnceleme, ÜAK, May, 2017

Post Graduate, Tez Savunması, Van Yüzüncü Yıl Üniversitesi, March, 2017

Competition, LİSE ÖĞRENCİLERİ ARAŞTIRMA PROJELERİ YARIŞMASI, TÜBİTAK, March, 2017

Post Graduate, Tez Savunması, Van Yüzüncü Yıl Üniversitesi, January, 2017

Appointment to Academic Staff-Assistant Professorship, Prof. Ataması, Mersin Üniversitesi, August, 2016

Competition, LİSE ÖĞRENCİLERİ ARAŞTIRMA PROJELERİ YARIŞMASI, TÜBİTAK, March, 2016

Appointment to Academic Staff-Assistant Professorship, Doç. Ataması, Siirt Üniversitesi, August, 2015

Competition, LİSE ÖĞRENCİLERİ ARAŞTIRMA PROJELERİ YARIŞMASI, TÜBİTAK, March, 2015

Appointment to Academic Staff-Assistant Professorship, Yrd. Doç. Ataması, Van Yüzüncü Yıl Üniversitesi, July, 2014

Competition, LİSE ÖĞRENCİLERİ ARAŞTIRMA PROJELERİ YARIŞMASI, TÜBİTAK, March, 2014

Competition, LİSE ÖĞRENCİLERİ ARAŞTIRMA PROJELERİ YARIŞMASI, TÜBİTAK, March, 2013

Competition, LİSE ÖĞRENCİLERİ ARAŞTIRMA PROJELERİ YARIŞMASI, TÜBİTAK, March, 2012

Appointment to Academic Staff-Assistant Professorship, Yrd. Doç. Ataması, Siirt Üniversitesi, September, 2011

Appointment to Academic Staff-Assistant Professorship, Yrd. Doç. Ataması, Van Yüzüncü Yıl Üniversitesi, September, 2011

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Exploring electronic, structural, optical, and elastic properties of MgX₂O₆ (x = Ta, Nb) compounds for photovoltaic and optoelectronic applications: first study effort**
Aycibin M., Çelebi M., Erzen M., Akkuş H.
Indian Journal of Physics, vol.98, no.10, pp.3571-3582, 2024 (SCI-Expanded)
- II. **Thermally switchable terahertz absorber based on a VO₂-included one-dimensional photonic crystal**
Roumi B., Erzen M., Abdi-Ghaleh R., Akkuş H., Zhou Y., Prajapati Y. K., Cai Y., Maurya J. B.
Applied Physics A: Materials Science and Processing, vol.129, no.6, 2023 (SCI-Expanded)
- III. **Single-frequency into dual-frequency absorption switch based on a one-dimensional photonic crystal containing graphene and vanadium dioxide layers**
Roumi B., Abdi-Ghaleh R., Akkuş H.
Photonics and Nanostructures - Fundamentals and Applications, vol.53, 2023 (SCI-Expanded)
- IV. **Theoretical prediction by DFT on properties of β'-SrTa₂O₆ crystal**
Aycibin M., Erzen M., Akkuş H.
Processing and Application of Ceramics, vol.17, no.1, pp.1-8, 2023 (SCI-Expanded)
- V. **Comprehensive theoretical investigation of electronic, structural, optical, elastic, and thermodynamic properties of orthorhombic SrTa₂O₆ compound**
Erzen M., Aycibin M., Akkuş H.
CANADIAN JOURNAL OF PHYSICS, 2022 (SCI-Expanded)
- VI. **Effect of pressure on physical properties of LuAsO₄ crystal**
Erzen M., Akkuş H.
MATERIALS RESEARCH EXPRESS, vol.5, no.11, 2018 (SCI-Expanded)
- VII. **Computation of physical properties of ferroelectric RbNbO₃ under pressure**
Erzen M., Akkuş H.
FERROELECTRICS, vol.526, no.1, pp.120-139, 2018 (SCI-Expanded)
- VIII. **Ab-initio study of CsGeCl₃ compound in paraelectric and ferroelectric phases**
Erdinc B., Secuk M. N., Aycibin M., GÜLEBAGAN S. E., Dogan E., Akkuş H.
FERROELECTRICS, vol.494, no.1, pp.138-149, 2016 (SCI-Expanded)
- IX. **Linear Optical Properties of Ferroelectric Semiconductor Bi₂NbO₅F Crystal**
DURAN D., Erdinc B., Aycibin M., Akkuş H.
Ferroelectrics, vol.486, no.1, pp.25-32, 2015 (SCI-Expanded)
- X. **Electronic Structure and Lattice Dynamics of BaCeO₃ Compound in Cubic Phase**
Aycibin M., Erdinc B., Akkuş H.
JOURNAL OF ELECTRONIC MATERIALS, vol.43, no.11, pp.4301-4307, 2014 (SCI-Expanded)
- XI. **Physical properties of RbAu compound**
Aycibin M., Dogan E., Gulebaglan S. E., Nurullah Secuk M., Erdinc B., Akkuş H.
Computational Condensed Matter, vol.1, no.1, pp.32-37, 2014 (SCI-Expanded)
- XII. **Structural and electronic properties of zincblende phase of Tl (x) Ga_{1-x} As (y) P_{1-y} quaternary alloys: First-principles study**
Gulebaglan S., Doğan E., Aycibin M., Secuk M. N., Erdinc B., Akkuş H.
CENTRAL EUROPEAN JOURNAL OF PHYSICS, vol.11, no.12, pp.1680-1685, 2013 (SCI-Expanded)
- XIII. **A different method for calculation of the deflection angle of light passing close to a massive object by Fermat's principle**
Akkus H.
ANNALS OF PHYSICS, vol.339, pp.293-297, 2013 (SCI-Expanded)
- XIV. **Structural, thermodynamic and phonon properties of SbSi and SbSBr single crystals**
Doğan E., Aycibin M., Gulebaglan S., SECUK M. N., ERDINC B., Akkuş H.
JOURNAL OF THE KOREAN PHYSICAL SOCIETY, vol.63, no.11, pp.2133-2137, 2013 (SCI-Expanded)
- XV. **First-principles investigation of structural, electronic, optical and dynamical properties in CsAu**
Erdinc B., Soyalp F., Akkuş H.

- Central European Journal of Physics, vol.9, no.5, pp.1315-1320, 2011 (SCI-Expanded)
- XVI. Electronic and Optical Properties of gamma-Ag₃SI by Using First Principles**
Erdinc B., Akkuş H.
JOURNAL OF THE KOREAN PHYSICAL SOCIETY, vol.56, no.3, pp.796-800, 2010 (SCI-Expanded)
- XVII. First-principles study of NaCdF₃**
Akkuş H., Erdinc B.
PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS, vol.246, no.6, pp.1334-1339, 2009 (SCI-Expanded)
- XVIII. First principle calculation of electronic band structure and optical properties of KIO₃**
Akkuş H., Erdinc B.
International Journal of Modern Physics B, vol.23, no.10, pp.2405-2412, 2009 (SCI-Expanded)
- XIX. Electronic band structure and linear optical properties of paraelectric KIO₃**
Erdinc B., Akkuş H.
JOURNAL OF PHYSICS-CONDENSED MATTER, vol.21, no.12, 2009 (SCI-Expanded)
- XX. Ab-initio study of the electronic structure and optical properties of KNO₃ in the ferroelectric phase**
Erdinc B., Akkuş H.
PHYSICA SCRIPTA, vol.79, no.2, 2009 (SCI-Expanded)
- XXI. Density functional calculation of the electronic structures of some A₅B₆C₇-type crystals**
Akkuş H.
International Journal of Modern Physics B, vol.23, no.1, pp.97-104, 2009 (SCI-Expanded)
- XXII. Band structure and optical properties of antimony-sulfobromide: Density functional calculation**
Akkuş H., Mamedov A. M., KAZEMPOUR A., AKBARZADEH H.
Central European Journal of Physics, vol.6, no.1, pp.64-75, 2008 (SCI-Expanded)
- XXIII. Band structure and optical properties of SbSeI: Density-functional calculation**
Akkuş H., KAZEMPOUR A., AKBARZADEH H., Mamedov A. M.
Physica Status Solidi (B) Basic Research, vol.244, no.10, pp.3673-3683, 2007 (SCI-Expanded)
- XXIV. Electronic and optical properties of KTaO₃: Ab initio calculation**
ÇABUK S., Akkuş H., Mamedov A.
Physica B: Condensed Matter, vol.394, no.1, pp.81-85, 2007 (SCI-Expanded)
- XXV. Ab initio calculations of the electronic structure and linear optical properties, including self-energy effects, for paraelectric SbSI**
Akkuş H., MAMEDOV A. M.
JOURNAL OF PHYSICS-CONDENSED MATTER, vol.19, no.11, 2007 (SCI-Expanded)
- XXVI. Ab-initio calculation of band structure and linear optical properties of SbSI in para- and ferroelectric phases**
Akkuş H., Mamedov A. M.
Central European Journal of Physics, vol.5, no.1, pp.25-34, 2007 (SCI-Expanded)

Articles Published in Other Journals

- I. POINT GROUPS *D*_{2d} and *C*_{3i} 38T UNDER CLASS SUM APPROACH**
Dede M., Akkuş H.
Euroasia Journal of Mathematics, Engineering, Natural & Medical Sciences, vol.8, no.17, pp.141-149, 2021 (Peer-Reviewed Journal)
- II. An Analysis of Dielectric Response**
Al-Basree F., Akkuş H.
Yuzuncu Yil University Journal of the Institute of Natural and Applied Sciences, vol.25, no.3, pp.107-116, 2020 (Scopus)
- III. Investigation of Structural, Electronic, Optic and Elastic Properties of Perovskite RbGeCl₃ Crystal: A First Principles Study**
Erdinc F., Kilit Dogan E., Akkuş H.

GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.32, no.3, pp.1008-1019, 2019 (ESCI)

- IV. **NADİR TOPRAK ARSENATLARI DyAsO₄ VE TbAsO₄ KRİSTALLERİNİN BAZI FİZİKSEL ÖZELLİKLERİNİN YOĞUNLUK FONKSİYONELİ TEORİSİYLE İNCELENMESİ**
Biçer R. E., AKKUŞ H.
International Journal on Mathematic, Engineering and Natural Sciences, 2018 (Peer-Reviewed Journal)
- V. **Electronic band structure, optical, dynamical and thermodynamic properties of cesium chloride (CsCl) from first-principles**
Akkuş H., Erdinç B., Bingöl S.
Int. J. Simul. Multisci. Des. Optim., vol.6, pp.7-13, 2015 (Peer-Reviewed Journal)
- VI. **First-principles study on electronic, optic, elastic, dynamic and thermodynamic properties of RbH compound**
Akkuş H., Erdinç B., Doğan E., Seçuk M. N., Aycibin M., Erden Gülebağlan S.
Int. J. Simul. Multisci. Des. Optim., vol.6, pp.1-6, 2015 (Peer-Reviewed Journal)
- VII. **Ab-initio calculations of physical properties of alkali chloride XCl (X=K, Rb and Li) under pressure**
Erdinc B., Secuk M. N., Aycibin M., GÜLEBAGAN S. E., Dogan E., Akkuş H.
Computational Condensed Matter, vol.4, pp.6-12, 2015 (ESCI)
- VIII. **A Short Review of Crystallographic Point Group T: Orbits and Stabilizers for a Regular Tetrahedron**
Akkuş H.
Physical Science International Journal, vol.8, no.3, pp.1-7, 2015 (Peer-Reviewed Journal)
- IX. **Ab-initio Calculations of Structural, Electronic, Optical, Dynamic and Thermodynamic Properties of HgTe and HgSe**
Erdinç B., Doğan E., Seçuk M. N., Aycibin M., Erden Gülebağlan S., Akkuş H.
American Journal of Condensed Matter Physics, vol.4, no.1, pp.13-19, 2014 (Peer-Reviewed Journal)
- X. **The Bowing Parameters of Ca?Mg1-?O Ternary Alloys**
Erdinç B., Doğan E., Seçuk M. N., Aycibin M., Erden Gülebağlan S., Akkuş H.
Journal of Modern Physics, vol.5, no.15, pp.1546-1551, 2014 (Peer-Reviewed Journal)
- XI. **Calculation of electronic band structure of ferroelectric semiconductor bismuth niobium oxyfluoride (Bi₂NbO₅F) crystal**
Erdinc B., MCCABE E., DURAN D., Secuk M. N., Gulebaglan S., Dogan E., Aycibin M., Akkuş H.
Gazi University Journal of Science, vol.27, no.4, pp.1099-1103, 2014 (Scopus)
- XII. **Theoretical study of rhombohedral NaCaF₃ crystal in the predicted ferroelectric phase**
Erdinc B., Aycibin M., Secuk M., Gulebaglan S., Doğan E., Akkuş H.
Gazi University Journal of Science, vol.27, no.4, pp.1093-1097, 2014 (Scopus)
- XIII. **An Interpretation of Planck Constant**
Akkuş H.
International Journal of Theoretical and Mathematical Physics, vol.3, no.5, pp.168-169, 2013 (Peer-Reviewed Journal)
- XIV. **Ab Initio Calculation of Physical Properties of Sodium Chloride**
Doğan E., Seçuk M. N., Erdinç B., Soyalp F., Akkuş H.
MATERIALS FOCUS, vol.2, no.5, pp.346-353, 2013 (Peer-Reviewed Journal)
- XV. **Point groups in solid state physics I: Point group Oh**
Akkuş H.
American Journal of Modern Physics, vol.2, no.2, pp.81-87, 2013 (Peer-Reviewed Journal)
- XVI. **Investigation of structural, electronic and optical properties of KCdF₃**
Seçuk M. N., Doğan E., Aycibin M., Erdinç B., Akkuş H.
American Journal of Modern Physics, vol.2, no.2, pp.77-80, 2013 (Peer-Reviewed Journal)
- XVII. **Band structure and optical properties of BiOCl: Density functional Calculation**
Koc H., Akkuş H., Mamedov A. M.
Gazi University Journal of Science, vol.25, no.1, pp.9-17, 2012 (Scopus)
- XVIII. **Electronic and optical properties of GaS: A first-principles study**
Erdinc B., Akkuş H., GOKSEN K.

- XIX. **Linear and nonlinear optical susceptibilities in some ferroelectrics: Ab-initio calculation**
Akkuş H., Çabuk S., MAMEDOV A. M.
Int. J. Nanoelectronics and Materials, vol.3, no.2, pp.53-67, 2010 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **First principle calculation of electronic band structure of LuRhO₃ compound**
Erden Gülebağlan S., Kaval M., Erdiñ B., Dođan E., Akkuş H., Seçuk M. N., Aycibin M.
2. International Conference on Pure and Applied Mathematics, Van, Turkey, pp.157
- II. **Structural, elastic and thermodynamic properties of hexagonal BiTeBr crystal , International Conference on Pure and Applied Mathematics**
Erden Gülebağlan S., Biçer R. E., Erdiñ B., Dođan E., Akkuş H., Seçuk M. N., Aycibin M.
2. International Conference on Pure and Applied Mathematics, Van, Turkey, pp.160
- III. **Structural, elastic properties of BiTeI crystal**
Seçuk M. N., Biçer R. E., Erden Gülebağlan S., Erdiñ B., Dođan E., Akkuş H., Aycibin M.
2. International Conference on Pure and Applied Mathematics, Van, Turkey, 25 - 28 August 2015, pp.161
- IV. **Structural, dynamic and thermodynamic properties of CsPbBr₃ compound in cubic perovskites via first principles**
Erden Gülebağlan S., Akkuş H., Erdiñ B., Dođan E., Seçuk M. N., Aycibin M.
2. International Conference on Pure and Applied Mathematics, Van, Turkey, 25 - 28 August 2015, pp.156
- V. **Structural and electronic properties of AxD_{1-x}ByC_{1-y} quaternary alloys via first principles**
Erden Gülebağlan S., Erdiñ B., Dođan E., Akkuş H., Seçuk M. N., Aycibin M.
2. International Conference on Pure and Applied Mathematics, Van, Turkey, pp.155
- VI. **Structural, dynamic and optical properties of double-layer hexagonal BiTeCl crystal**
Erden Gülebağlan S., Erdiñ B., Dođan E., Akkuş H., Seçuk M. N., Aycibin M.
2. International Conference on Pure and Applied Mathematics, Van, Turkey, pp.159
- VII. **AB-INITIO CALCULATION OF SOME PHYSICAL PROPERTIES OF TERBIUM 341 ARSENATE TbAsO₄**
Biçer R. E., Akkuş H.
AHTAMARA I. ULUSLARARASI MULTİDİSİPLİNER ÇALIŞMALAR KONGRESİ, Van, Turkey, 25 - 26 August 2018, pp.341
- VIII. **THEORETICAL ESTIMATION OF SOME PHYSICAL PROPERTIES OF 344 DYSPROSIUM ARSENATE DyAsO₄**
Biçer R. E., Akkuş H.
AHTAMARA I. ULUSLARARASI MULTİDİSİPLİNER ÇALIŞMALAR KONGRESİ, Van, Turkey, 25 - 26 August 2018, pp.344
- IX. **On the second variation of the action in classical mechanics**
Gürman F., Baydaş Ş., Akkuş H., Karakaş B.
Caucasian Mathematics Conference, CMC II, Van, Turkey, 22 - 24 August 2017, pp.71
- X. **Electronic, Optic and Dynamic Properties of Rhombohedral BiTeBr**
SEÇUK M., Akkuş H.
1st International Physics Conference at the Anatolian Peak, IPCAP 2016, Erzurum, Turkey, 25 - 27 February 2016, vol.707
- XI. **Structural, Electronic and Dynamic Properties CsIO₃ in Orthorhombic and Cubic Phases**
ERBİL R., Seçuk M. N., Akkuş H.
1st International Physics Conference at the Anatolian Peak IPCAP2016, Erzurum, Turkey, 25 - 27 February 2016, vol.-, no.1, pp.230
- XII. **Physical Properties of Honeycomb BiTeCl**
Seçuk M. N., Akkuş H.
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