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Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: Q-3079-2019

ScopusID: 55600491300

Yoksis Researcher ID: 174052

Education Information

Doctorate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Fizik (Dr), Turkey 2005 - 2012

Postgraduate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Fizik (YI) (Tezli), Turkey 2002 - 2005

Postgraduate, Ege University, Fen Bilimleri Enstitüsü, Turkey 2002 - 2004

Undergraduate, Celâl Bayar Üniversitesi, Fen-Edebiyat Fakültesi, Fizik Bölümü, Turkey 1998 - 2002

Dissertations

Doctorate, The electrical and thermal breakdown of the integer quantized hall effect: a microscopic self-consistent investigation., Dokuz Eylul University, Fen Bilimleri Enstitüsü, Fizik (Dr), 2012

Postgraduate, InAlN üçlü nitrat alaşımının elektronik band yapısının pseudopotansiyel yöntemi ile hesaplanması, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Fizik (YI) (Tezli), 2005

Research Areas

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

Associate Professor, Dokuz Eylul University, Fen Fakültesi, Fizik Bölümü, 2003 - Continues

Academic and Administrative Experience

Bölüm Kalite Komisyonu Üyesi, Dokuz Eylul University, Fen Fakültesi, Fizik Bölümü, 2021 - Continues

Farabi Program Department Coordinator, Dokuz Eylul University, Fen Fakültesi, Fizik Bölümü, 2021 - Continues

Birim Kalite Komisyonu Üyesi, Dokuz Eylul University, Fen Fakültesi, Fizik Bölümü, 2021 - Continues

Adaptation/Exemption Committee Member, Dokuz Eylul University, Fen Fakültesi, Fizik Bölümü, 2020 - Continues

Dokuz Eylul University, 2018 - 2020

Courses

FİZİK I, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021
FİZİK II, Undergraduate, 2022 - 2023, 2021 - 2022, 2019 - 2020, 2018 - 2019, 2017 - 2018
Kariyer Planlama, Undergraduate, 2023 - 2024
Temel Fizik, Undergraduate, 2022 - 2023
Temel Fizik Laboratuvarı, Undergraduate, 2022 - 2023
PHYSICS II, Undergraduate, 2021 - 2022
FİZİK I, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019
FİZİK I (İ.Ö.), Undergraduate, 2019 - 2020
Fizik Laboratuvarı II, Undergraduate, 2017 - 2018

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **A Comparative First Principles Study of Two-Dimensional Transition Metal Dichalcogenides**
Tunali A. Y., BOZ YURDAŞAN N., Akyuz G. B.
Journal of Superconductivity and Novel Magnetism, 2024 (SCI-Expanded)
- II. **Ab Initio Calculations of Structural, Electronic, Elastic, Optical, and Dynamical Properties of Half-Heusler LiSiB Compound**
AKYÜZ G. B., Doğan E., BOZ YURDAŞAN N., YILDIZ TUNALI A., Erden Gülebağlan S.
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.35, no.6, pp.1517-1525, 2022 (SCI-Expanded)
- III. **The effect of disorder on local electron temperature in quantum Hall systems**
BOZ YURDAŞAN N., Erden Gülebağlan S., Siddiki A.
EUROPEAN PHYSICAL JOURNAL B, vol.94, no.1, 2021 (SCI-Expanded)
- IV. **First-principles calculations of structural and electronic properties of $Tl_xGa_{1-x}As$ alloys**
AKYÜZ G. B., YILDIZ TUNALI A., Gulebaglan S. E., Yurdasan N.
CHINESE PHYSICS B, vol.25, no.2, 2016 (SCI-Expanded)
- V. **Structural and electronic properties of $GaxTl_{1-x}P$ ternary alloys**
YILDIZ TUNALI A., Erden Gülebağlan S., BOZ YURDAŞAN N., Bilgeç Akyuz G.
Materials Science in Semiconductor Processing, vol.33, pp.58-66, 2015 (SCI-Expanded)
- VI. **First-principles investigation of bowing parameter in zinc-blende $Sc_xGa_{1-x}N$**
Yurdasan N., Gulebaglan S. E., YILDIZ TUNALI A., Akyuz G. B.
PHILOSOPHICAL MAGAZINE LETTERS, vol.94, no.11, pp.724-731, 2014 (SCI-Expanded)
- VII. **The Effect of the Electron Temperature on Incompressible Strips in Quantum Hall Regime**
Yurdasan N., Siddiki A., Sokmen I.
ACTA PHYSICA POLONICA A, vol.123, no.2, pp.314-316, 2013 (SCI-Expanded)
- VIII. **First Principles Study of Phonon Dispersion Curved for Yttrium Nitride**
Yurdasan N., Gulebaglan S. E., Akyuz G. B.
ACTA PHYSICA POLONICA A, vol.123, no.2, pp.317-319, 2013 (SCI-Expanded)
- IX. **Theoretical investigation of local electron temperature in quantum Hall systems**
Yurdasan N., AKGÜNGÖR K., Siddiki A., Sokmen I.
PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES, vol.44, no.7-8, pp.1367-1371, 2012 (SCI-Expanded)
- X. **Evanescence of incompressible strips as origin of the observed Hall resistance overshoot**
Siddiki A., Gulebaglan S. E., Yurdasan N., Bilgeç G., Yildiz A., Sokmen I.
EPL, vol.92, no.6, 2010 (SCI-Expanded)

Articles Published in Other Journals

- I. **DFT Investigations on Structural, Electronic and Vibrational Properties of LuN under High Pressure**
Boz Yurdaşan N., Erden Gülebağlan S., Yıldız Tunali A., Bilgeç Akyüz G.
Yüzüncü Yıl Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.26, no.1, pp.45-52, 2021 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Density Functional Theory and Applications**
BOZ YURDAŞAN N.
Enerji Aygıtları ve Malzemelerinin Modellenmesi-Üretimi, Turkey, 1 - 07 July 2019
- II. **The Effect of Zeeman Energy on Quantum Hall Systems**
ERDEN GÜLEBAĞLAN S., YILDIZ TUNALI A., BOZ YURDAŞAN N., BİLGEÇ AKYÜZ G.
3.International Conference on Material Science and Technology in Cappadocia-IMSTEC 2018, 17 - 19 September 2018
- III. **First-Principles Study of Structural, Elastic and Electronic Properties of Samarium Selenide**
BOZ YURDAŞAN N., BİLGEÇ AKYÜZ G., YILDIZ TUNALI A., ERDEN GÜLEBAĞLAN S.
Turkish Physical Society 34th International Physics Congress, Herodot Cultural Center Bodrum, Muğla, Turkey, 5 - 09 September 2018
- IV. **Stable, Single-Layer XSe₂ and XTe₂ (X=Cr, Mo, W) Compounds in Honeycomb-like Structure**
BOZ YURDAŞAN N., YILDIZ TUNALI A., BİLGEÇ AKYÜZ G., ERDEN GÜLEBAĞLAN S.
Turkish Physical Society 34 th International Physics Congress, Herodot Cultural Center, Bodrum, Muğla, Turkey, 5 - 09 September 2018
- V. **Spatial distribution of the current density depending on lattice temperature in quantum Hall regime**
BOZ YURDAŞAN N., SÖKMEN İ., SİDDİKİ A.
11th International Conference on Nanosciences & Nanotechnologies, 8 - 11 July 2014
- VI. **The Effect of Disorder on Local Electron Temperature in Quantum Hall System**
BOZ YURDAŞAN N., ERDEN GÜLEBAĞLAN S., SİDDİKİ A.
Turkish Physical Society 29th International Physics Congress, 5 - 08 September 2012
- VII. **FIRST PRINCIPLES INVESTIGATION OF THE COMPOSITION EFFECT ON THE ELECTRONIC PROPERTIES AND GAP BOWING PARAMETERS OF CUBIC Ga_{1-x}In_x AND TlGaP ALLOYS**
YILDIZ TUNALI A., ERDEN GÜLEBAĞLAN S., BOZ YURDAŞAN N., BİLGEÇ AKYÜZ G.
Turkish Physical Society 29th International Physics Congress, 5 - 08 September 2012
- VIII. **"Electron Temperature Distribution with Energy Loss in Quantum Hall Regime**
BOZ YURDAŞAN N., SİDDİKİ A., AKGÜNGÖR K., SÖKMEN İ.
8th Nanoscience and Nanotechnology Congress, Ankara, Turkey, 25 June 2012
- IX. **First principles study of phonon dispersion curve for yttrium nitride**
BOZ YURDAŞAN N., BİLGEÇ AKYÜZ G., ERDEN GÜLEBAĞLAN S.
2nd International Advances in Applied Physics and Materials Science Congress, Antalya, Turkey, 26 April 2012
- X. **"The Effect of Electron Temperature on Incompressible Strips in Quantum Hall Regime**
BOZ YURDAŞAN N., SİDDİKİ A., SÖKMEN İ.
2nd International Advances in Applied Physics and Materials Science Congress, Antalya, Turkey, 26 April 2012
- XI. **Theoretical investigation of local electron temperature in quantum Hall regime**
BOZ YURDAŞAN N., AKGÜNGÖR K., SİDDİKİ A., SÖKMEN İ.
19th International Conference on Electronic Properties of Two-Dimensional Systems, 25 July - 29 September 2011
- XII. **The effect of local electron temperature on the quantum Hall plateaus**
BOZ YURDAŞAN N., AKGÜNGÖR K., SİDDİKİ A., SÖKMEN İ.
Turkish Physical Society 28th International Physics Congress, 6 - 09 September 2011
- XIII. **Spatial Variations of Electron Temperature in Quantum Hall Systems**
BOZ YURDAŞAN N., AKGÜNGÖR K., SİDDİKİ A., SÖKMEN İ.
Turkish Physical Society 27th International Physics Congress, 14 - 17 September 2010
- XIV. **Electron Temperature Distribution in Quantum Hall Systems**

BOZ YURDAŞAN N., AKGÜNGÖR K., SİDDİKİ A., SÖKMEN İ.

Nanoscience and Nanotechnology Conference NanoTR-VI, 15 - 18 June 2010

XV. **"Kuantum Hall etkisi ve Termohidrodinamik Teor**

BOZ YURDAŞAN N.

V. Nano-elektronik Taşınım Sempozyumu, Muğla, Turkey, 07 February 2010

XVI. **Kuantum Hall Sistemlerinde Termodinamik Eşitlikler**

BOZ YURDAŞAN N.

",Muğla Üniveristesi IV. Akyaka Nanoelektronik Taşınım Sempozyumu, Muğla, Turkey, 04 November 2009

Supported Projects

Sökmen İ., Boz Yurdaşan N., Project Supported by Higher Education Institutions, KUANTİZE HALL BÖLGESİNDE LINEER OLMAYAN PERDELEME TEORİSİ : TAM SAYILI KUANTİZE HALL ETKİSİNİN ELEKTRİKSEL VE TERMAL KIRILMASININ MİKROSKOPİK ÖZUYUMLU OLARAK İNCELENMESİ, 2010 - 2012

Scientific Refereeing

Yüzüncü Yıl Üniversitesi Fen Bilimleri Enstitüsü Dergisi, Other Journals, March 2021

Yüzüncü Yıl Üniversitesi Fen Bilimleri Enstitüsü Dergisi, Other Journals, March 2018

Metrics

Publication: 27

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