Prof. Dr. YASEMİN ÇİFTCİ

İş Telefonu: +90 312 202 1266

E-posta: yasemin@gazi.edu.tr

Web: https://avesis.gazi.edu.tr/yasemin

Posta Adresi: yasemin@gazi.edu.tr

Uluslararası Araştırmacı ID'leri

ORCID: 0000-0003-1796-0270

Yoksis Araştırmacı ID: 15298

Eğitim Bilgileri

I. Doktora, Gazi Üniversitesi, Fen Bilimleri Enstitüsü, Fizik (Dr), Türkiye 1996 - 2000
II. Yüksek Lisans, Gazi Üniversitesi, Fen Bilimleri Enstitüsü, Fizik (Yl) (Tezli), Türkiye 1993 - 1996
III. Lisans, Gazi Üniversitesi, Fen-Edebiyat Fakültesi, Fizik Pr., Türkiye 1989 - 1993

Yabancı Diller

I. İngilizce, B2 Orta Üstü

Araştırma Alanları

Fizik, Temel Bilimler, Mühendislik ve Teknoloji

Akademik Unvanlar / Görevler

I. Prof. Dr., Gazi Üniversitesi, Fen Fakültesi, Fizik, 2014 - Devam Ediyor
II. Yrd. Doç. Dr., Gazi Üniversitesi, Fen Fakültesi, Fizik, 2003 - 2008
III. Araştırma Görevlisi, Gazi Üniversitesi, Fen Fakültesi, Fizik, 1994 - 2003

Yönetilen Tezler

I. ÇİFTCİ Y., Bazı hafif elementlerle dekore edilmiş iki boyutlu karbon allotroplarının üzerine hidrojen depolama özelliklerinin ab-initio yöntemlerle incelenmesi, Doktora, İ.ALP(Öğrenci), 2019
II. ÇİFTCİ Y., LuXO3 (X=Al, Ga, In) perovskit bileşiklerinin temel fiziksel özeliklerinin ab initio yöntemlerle incelenmesi, Yüksek Lisans, G.SÜRÜCÜ(Öğrenci), 2018
III. ÇİFTCİ Y., Bazı AIIBIVC2V tipinde yarıiletken kalkopiritlerin temel fiziksel özelliklerinin ab-initio metot ile incelenmesi, Doktora, B.KOÇAK(Öğrenci), 2016
IV. ÇİFTCİ Y., Bazı ikili ve/veya üçlü alaşımların temel fiziksel özelliklerinin yoğunluk fonksiyoneli teorisi ile incelenmesi, Doktora, Y.MOĞULKOÇ(Öğrenci), 2013
V. ÇİFTCİ Y., ThX (X= N, P, As, Sb) BİLESİKLERİNİN YAPISAL, ELEKTRONİK VE ELASTİK ÖZELİKLERİNİN ABİNİTİO YÖNTEMLE İNCELENMESİ, Yüksek Lisans, S.ARSLAN(Öğrenci), 2008
VI. ÇİFTCİ Y., EMBEDDED-ATOM MODELİ İLE YAPISAL FAZ DÖNÜŞÜMLERİ VE ELASTİK KARARLILIK, Yüksek Lisans, R.YİĞİTER(Öğrenci), 2007

VII. ÇİFTCİ Y., Embedded-atom modeli ile yapısal faz dönüşümleri ve elastik kararlılık, Yüksek Lisans, R.YİĞİTER(Öğrenci), 2007

Jüri Üyelikleri

I. Akademik Kadroya Atama-Yardımcı Doçentlik, Akademik Kadroya Atama-Yardımcı Doçentlik, University of Engineering and Technology, Eylül, 2022

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

I. **Understanding the pressure effect on the physical properties of half-Heusler semiconductor LiCaX (X = As, Sb, N) compounds from Ab-initio calculations**
ÇİFTCİ Y., Kocak B., Ateser E.
MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING, cilt.186, 2025 (SCI-Expanded)

II. **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., ÇİFTCİ Y.
Physica B: Condensed Matter, cilt.694, 2024 (SCI-Expanded)

III. **Pressure effects on the structural, electronic, elastic, optical, and vibrational properties of YMg intermetallic compounds: a first-principles study**
ÇİFTCİ Y., Çatıkkaş B.
Physica Scripta, cilt.99, sa.6, 2024 (SCI-Expanded)

IV. **Computational analysis of the physical properties of AlNi ıntermetallic compound: pressure effect**
KARS DURUKAN İ., Oztekin Ciftci Y.
Indian Journal of Physics, cilt.98, sa.3, ss.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., ÇİFTCİ Y., Durukan İ., Ersan F.
Journal of Physics and Chemistry of Solids, cilt.183, 2023 (SCI-Expanded)

VI. **Computational study of effects of doping Ni and Pd on CoAl for hydrogen storage capacity, elastic and electronic properties**
ÇİFTCİ Y., Corbaci G.
Materials Today Communications, cilt.37, 2023 (SCI-Expanded)

VII. **Investigation of Tungsten-Based Seleno-Chevrel Compounds with Different Compositions for Efficient Water Splitting**
Dag T. S., Sürücü G., Gencer A., Surucu O., Ozel F., Ciftci Y.
Advanced Theory and Simulations, cilt.6, sa.11, 2023 (SCI-Expanded)

VIII. **Thermodynamics evaluation of half-metallic ferromagnetism in N-doped XTiO3 (X = Ca, Sr, and Ba) systems: DFT calculations**
Elahi I., ÇİFTCİ Y., Akbar W.
Materials Today Communications, cilt.34, 2023 (SCI-Expanded)

IX. **A first-principles prediction on the structural, electronic, elastic, phonon, and transport properties of BaSiN2**
ÇİFTCİ Y., ALP İ.
INDIAN JOURNAL OF PHYSICS, cilt.96, sa.14, ss.4131-4141, 2022 (SCI-Expanded)

X. **The mechanical, dynamical, thermodynamical properties and elastic anisotropies of cubic YbAu compound under pressure**
KARS DURUKAN İ., EVECEN M., ÇİFTCİ Y.

MATERIALS TODAY COMMUNICATIONS, cilt.33, 2022 (SCI-Expanded)

XI. **Pressure effects on structural, electronic and anisotopic elastic properties of Si doped RuGe compound with different concentrations by first-principles calculations**
ÇİFTCİ Y., ÇOBAN C., EVECEN M., Durukan İ. K.
MATERIALS CHEMISTRY AND PHYSICS, cilt.291, 2022 (SCI-Expanded)

XII. **Systematic study of optoelectronic and thermoelectric properties of new lead-free halide double perovskites A(2)KGaI(6)(A = Cs, Rb) for solar cell applications via ab-initio calculations**
Mukhtar M. W., Ramzan M., Rashid M., Hussain A., Naz G., ÇİFTCİ Y., Dahshan A., Znaidia S.
MATERIALS SCIENCE AND ENGINEERING B-ADVANCED FUNCTIONAL SOLID-STATE MATERIALS, cilt.285, 2022 (SCI-Expanded)

XIII. **Equiatomic Quaternary CoXCrAl (X = V, Nb, and Ta) Heusler Compounds: Insights from DFT Calculations**
Dag T. S., Gencer A., Ciftci Y., Sürücü G.
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, cilt.560, ss.169620-169631, 2022 (SCI-Expanded)

XIV. **First-principles study on B2 based XAl(X = Rh, Ru)compounds**
KARS DURUKAN İ., ÇİFTCİ Y.
PHYSICA SCRIPTA, cilt.96, sa.12, 2021 (SCI-Expanded)

XV. **First-principles calculations of vibrational and optical properties of half-Heusler NaScSi**
Kars Durukan İ., Oztekin Ciftci Y.
INDIAN JOURNAL OF PHYSICS, cilt.95, sa.11, ss.2303-2312, 2021 (SCI-Expanded)

XVI. **Ab-initio study on physical properties of intermetallic LiPb compound**
Durukan İ., ÇİFTCİ Y.
Journal of Computational Science, cilt.54, 2021 (SCI-Expanded)

XVII. **Band Alignment in Monolayer Boron Phosphide with Janus MoSSe Heterobilayers under Stran and Electric Field**
Mogulkoc Y., Caglayan R., Çiftci Y.
PHYSICAL REVIEW APPLIED, cilt.16, sa.2, 2021 (SCI-Expanded)

XVIII. **Mechanical and dynamic properties of stable two-dimensional boron-substituted ThMoB4-type graphene: First-Principles Study**
Aydın S., Çiftci Y.
MATERIALS TODAY COMMUNICATIONS, cilt.27, 2021 (SCI-Expanded)

XIX. **Ligand-free fabrication of Au/TiO2 nanostructures for plasmonic hot-electron-driven photocatalysis: Photoelectrochemical water splitting and organic-dye degredation**
Celebi N., Aydin M. Y., Soysal F., Çiftci Y., Salimi K.
JOURNAL OF ALLOYS AND COMPOUNDS, cilt.860, 2021 (SCI-Expanded)

XX. **Theoretical investigation of the electronic structure, elastic, dynamic properties of intermetallic compound NiBe under pressure**
Evecen M., ÇİFTCİ Y.
EUROPEAN PHYSICAL JOURNAL B, cilt.94, sa.1, 2021 (SCI-Expanded)

XXI. **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, cilt.27, sa.1, 2021 (SCI-Expanded)

XXII. **The pressure effect on optoelectronic and mechanical properties of chalcopyrite BeSiN2**
Ciftci Y., Alp İ.
MATERIALS TODAY COMMUNICATIONS, cilt.24, 2020 (SCI-Expanded)

XXIII. **A Theoretical Study of Pressure-Induced Effects on Phase Transition and Elastic Properties of AsTh Compound**
ÇİFTCİ Y., ATEŞER E.
JOURNAL OF ELECTRONIC MATERIALS, cilt.49, sa.3, ss.2086-2094, 2020 (SCI-Expanded)

XXIV. **Anisotropic Elastic, Electronic and Vibrational Properties of the Semiconductor AgScX (X = Ge, C)**

Compounds
Kars Durukan İ., Çiftci Y.
JOURNAL OF ELECTRONIC MATERIALS, cilt.49, sa.3, ss.1849-1856, 2020 (SCI-Expanded)

XXV. **Green-Emitting Lead-Free Cs4SnBr6 Zero-Dimensional Perovskite Nanocrystals with Improved Air Stability**
Chiara R., ÇİFTCİ Y., Queloz V. I. E., Nazeeruddin M. K., Grancini G., Malavasi L.
JOURNAL OF PHYSICAL CHEMISTRY LETTERS, cilt.11, sa.3, ss.618-623, 2020 (SCI-Expanded)

XXVI. **Exploring the role of halide mixing in lead-free BZA(2)SnX(4) two dimensional hybrid perovskites**
Pisanu A., Coduri M., Morana M., ÇİFTCİ Y., Rizzo A., Listorti A., Gaboardi M., Bindi L., Queloz V. I. E., Milanese C., et al.
JOURNAL OF MATERIALS CHEMISTRY A, cilt.8, sa.4, ss.1875-1886, 2020 (SCI-Expanded)

XXVII. **Physical properties of ternary thallium chalcogenes T1(2)MQ(3) (M = Zr, Hf; Q = S, Se, Te) via ab-initio calculations**
ATEŞER E., Okvuran O., ÇİFTCİ Y., ÖZIŞIK H., DELİGÖZ E.
CHINESE PHYSICS B, cilt.28, sa.10, 2019 (SCI-Expanded)

XXVIII. **The Effect of Pressure on Elastic Anisotropy, Vibration and Optical Properties of a AgScSi Compound**
Durukan İ., Ciftci Y.
JOURNAL OF ELECTRONIC MATERIALS, cilt.48, sa.6, ss.4050-4056, 2019 (SCI-Expanded)

XXIX. **Analysis of the structural, electronic, elastic and thermodynamic properties of CuAl2X4 (X = O, S) spinel structure**
Obeid M. M., Mogulkoc Y., Edrees S. J., Ciftci Y., Shukur M. M., Al-Marzooqee M. M. H.
MATERIALS RESEARCH BULLETIN, cilt.108, ss.255-265, 2018 (SCI-Expanded)

XXX. **First principle study of structural, electronic, mechanical, dynamic and optical properties of half-Heusler compound LiScSi under pressure**
ÇİFTCİ Y., EVECEN M.
PHASE TRANSITIONS, cilt.91, sa.12, ss.1206-1222, 2018 (SCI-Expanded)

XXXI. **First-principles hydrogen adsorption properties of Li-decorated ThMoB4-type graphene**
Alp İ., AYDIN S., ÇİFTCİ Y.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.43, sa.33, ss.16117-16127, 2018 (SCI-Expanded)

XXXII. **DFT-based ab-initio study of half-Heusler KCaP compound**
Mogulkoc Y., Ciftci Y., Surucu G.
JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, cilt.20, sa.1-2, ss.61-68, 2018 (SCI-Expanded)

XXXIII. **Physical Properties of Superhard Diamond-Like BC5 from a First-Principles Study**
Alp İ., ÇİFTCİ Y.
JOURNAL OF ELECTRONIC MATERIALS, cilt.47, sa.1, ss.272-284, 2018 (SCI-Expanded)

XXXIV. **A density functional study of chalcopyrite MgGeSb2**
Kocak B., ÇİFTCİ Y.
INDIAN JOURNAL OF PHYSICS, cilt.91, sa.12, ss.1487-1492, 2017 (SCI-Expanded)

XXXV. **First principle and tight-binding study of strained SnC**
Mogulkoc Y., Modarresi M., Mogulkoc A., Ciftci Y., Alkan B.
JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS, cilt.111, ss.458-463, 2017 (SCI-Expanded)

XXXVI. **Structural phase transition, electronic, elastic, and vibrational properties of LiAl intermetallic compound: insights from first-principles calculations**
Mogulkoc Y., Ciftci Y., Surucu G.
CANADIAN JOURNAL OF PHYSICS, cilt.95, sa.8, ss.691-698, 2017 (SCI-Expanded)

XXXVII. **First-principles calculations of Mg1-xCuxSiP2 alloys with x=0.0, 0.25, 0.5, 0.75 and 1.0**
Kocak B., Ciftci Y.
JOURNAL OF ALLOYS AND COMPOUNDS, cilt.705, ss.211-217, 2017 (SCI-Expanded)

XXXVIII. **First-Principles Study on the Structural, Elastic, Electronic and Vibrational Properties of Scandium Based Intermetalic Compounds (ScX, X = Co, Rh and Ir) Under Pressure**
EVECEN M., ÇİFTCİ Y.
JOURNAL OF NANOELECTRONICS AND OPTOELECTRONICS, cilt.12, sa.2, ss.100-108, 2017 (SCI-Expanded)

XXXIX. **The structural, elastic, electronic and dynamical properties of chalcopyrite semiconductor BeGeAs2 from first-principles calculations**
ÇİFTCİ Y., EVECEN M., ALDIRMAZ E.
APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, cilt.123, sa.1, 2017 (SCI-Expanded)

XL. **Structural and Thermoelectronic Properties of Chalcopyrite MgSiX2 (X = P, As, Sb)**
Kocak B., Ciftci Y., Surucu G.
JOURNAL OF ELECTRONIC MATERIALS, cilt.46, sa.1, ss.247-264, 2017 (SCI-Expanded)

XLI. **Structural, electronic, elastic, optical, and vibrational properties of HfXSb (X = Co, Rh, Ru) half-Heusler compounds: an ab initio study**
Coban C., Ciftci Y., Colakoglu K.
INDIAN JOURNAL OF PHYSICS, cilt.90, sa.11, ss.1233-1241, 2016 (SCI-Expanded)

XLII. **Electronic and optical properties of bilayer blue phosphorus**
Mogulkoc Y., Modarresi M., Mogulkoc A., Ciftci Y.
COMPUTATIONAL MATERIALS SCIENCE, cilt.124, ss.23-29, 2016 (SCI-Expanded)

XLIII. **The Structural, Elastic, Electronic, Thermodynamic and Vibrational Properties of Protactinium Monocarbide (PaC) from First-Principles Calculations**
Ciftci Y., Coban C., AYDIN S., Tatar A., Evecen M.
JOURNAL OF NANOELECTRONICS AND OPTOELECTRONICS, cilt.11, sa.4, ss.506-513, 2016 (SCI-Expanded)

XLIV. **Unraveling Thermal and Dynamical Properties of the Cubic BaVO3 Perovskite from First-Principles Calculation**
Mebrouki M., Ouahrani T., Ciftci Y.
INTERNATIONAL JOURNAL OF THERMOPHYSICS, cilt.37, sa.7, 2016 (SCI-Expanded)

XLV. **Effect of pressure on structural, electronic, mechanical and optical properties of ruthenium diboride with oP(12)-type structure**
AYDIN S., Ciftci Y., Mogulkoc Y., Tatar A.
INDIAN JOURNAL OF PHYSICS, cilt.90, sa.7, ss.767-779, 2016 (SCI-Expanded)

XLVI. **Ab-initio calculations of semiconductor MgGeP2 and MgGeAs2**
Kocak B., Ciftci Y.
Materials Research Bulletin, cilt.77, ss.300-306, 2016 (SCI-Expanded)

XLVII. **Determination of the basic physical properties of semiconductor chalcopyrite type MgSnT2 (T = P, As, Sb) from first-principles calculations**
Kocak B., ÇİFTCİ Y.
JOURNAL OF MATERIALS RESEARCH, cilt.31, sa.10, ss.1518-1531, 2016 (SCI-Expanded)

XLVIII. **Electronic structure and thermoelectric properties of half-Heusler compounds with eight electron valence count-KScX (X = C and Ge)**
ÇİFTCİ Y., Mahanti S. D.
JOURNAL OF APPLIED PHYSICS, cilt.119, sa.14, 2016 (SCI-Expanded)

XLIX. **Some new members of MAX family including light-elements: Nanolayered Hf2XY (X= Al, Si, P and Y=B, C, N)**
AYDIN S., Tatar A., ÇİFTCİ Y.
SOLID STATE SCIENCES, cilt.53, ss.44-55, 2016 (SCI-Expanded)

L. **Electronic structure and elastic properties of AgZn under pressure from first-principles calculations**
ÇİFTCİ Y.
CANADIAN JOURNAL OF PHYSICS, cilt.94, sa.3, ss.328-333, 2016 (SCI-Expanded)

LI. **Ab Initio Calculations on the Structural, Mechanical, Electronic, Dynamic, and Optical Properties of Semiconductor Half-Heusler Compound ZrPdSn**
ÇİFTCİ Y., ÇOBAN C.
ZEITSCHRIFT FUR NATURFORSCHUNG SECTION A-A JOURNAL OF PHYSICAL SCIENCES, cilt.71, sa.2, ss.135-143, 2016 (SCI-Expanded)

LII. **Thermo-Elastic and Lattice Dynamical Properties of Pd3X (X = Ti, Zr, Hf) Alloys: An Ab Initio Study**
Surucu G., Colakoglu K., Ciftci Y., Ozisik H. B., Deligoz E.

BRAZILIAN JOURNAL OF PHYSICS, cilt.45, sa.6, ss.604-614, 2015 (SCI-Expanded)

LIII. **First principles study of the structural, mechanical, phonon, optical, and thermodynamic properties of half-Heusler (HH) compound NbFeSb**
Coban C., Colakoglu K., Ciftci Y.
PHYSICA SCRIPTA, cilt.90, sa.9, 2015 (SCI-Expanded)

LIV. **First-principles calculations of the mechanic and vibration properties of AgRE (RE = Ho, Er, Tm) intermetallic compounds under pressure**
Mogulkoc Y., Ciftci Y., Colakoglu K., Deligoz E.
PHYSICA SCRIPTA, cilt.90, sa.2, 2015 (SCI-Expanded)

LV. **First principles investigations on the mechanical and vibrational properties for the selected B2-AgRE (RE=Sc, Y, La, Ce) intermetallics**
Coban C., Ciftci Y., Colakoglu K.
PHYSICA B-CONDENSED MATTER, cilt.457, ss.22-29, 2015 (SCI-Expanded)

LVI. **Dynamical and anisotropic behavior of the MSiP2 (M = Be, Mg, Cd, Zn and Hg) compounds**
Ouahrani T., ÇİFTCİ Y., Mebrouki M.
JOURNAL OF ALLOYS AND COMPOUNDS, cilt.610, ss.372-381, 2014 (SCI-Expanded)

LVII. **First principles prediction of structural stability, elastic, lattice dynamical and thermal properties of osmium carbides**
Deligoz E., Ozisik H. B., Colakoglu K., Ciftci Y.
MATERIALS SCIENCE AND TECHNOLOGY, cilt.30, sa.7, ss.842-849, 2014 (SCI-Expanded)

LVIII. **First principles LDA+U and GGA+U study of HfO2: Dependence on the effective U parameter**
ÇİFTCİ Y., Ergün A., Çolakoğlu K., DeligÖz E.
Gazi University Journal of Science, cilt.27, sa.1, ss.627-636, 2014 (SCI-Expanded)

LIX. **Ab initio study of the structural, elastic, thermodynamic, electronic and vibration properties of TbMg intermetallic compound**
Mogulkoc Y., Ciftci Y., Kabak M., Colakoglu K.
Superlattices and Microstructures, cilt.71, ss.46-61, 2014 (SCI-Expanded)

LX. **Structural, electronic and mechanical properties of W1-xTcxB2 alloys**
Surucu G., Colakoglu K., Deligoz E., Ciftci Y.
SOLID STATE COMMUNICATIONS, cilt.171, ss.1-4, 2013 (SCI-Expanded)

LXI. **Pressure depended elastic, vibration and optical properties of NbIrSn from first principles calculations**
Kocak B., Ciftci Y., Colakoglu K., Deligoz E., Tatar A.
MATERIALS SCIENCE AND TECHNOLOGY, cilt.29, sa.8, ss.925-930, 2013 (SCI-Expanded)

LXII. **The structural, electronic, elastic, vibration and thermodynamic properties of GdMg**
Mogulkoc Y., Ciftci Y., Colakoglu K., Deligoz E.
SOLID STATE SCIENCES, cilt.16, ss.168-174, 2013 (SCI-Expanded)

LXIII. **Structural, elastic, thermodynamic and lattice dynamic properties of PrX (X = Sb, Bi)**
Kocak B., ÇİFTCİ Y., Colakoglu K., DELİGÖZ E.
INTERNATIONAL JOURNAL OF MATERIALS RESEARCH, cilt.104, sa.1, ss.99-108, 2013 (SCI-Expanded)

LXIV. **A theoretical study for thorium monocarbide (ThC)**
AYDIN S., Tatar A., Ciftci Y.
JOURNAL OF NUCLEAR MATERIALS, cilt.429, ss.55-69, 2012 (SCI-Expanded)

LXV. **Lattice dynamical and thermodynamical properties of ReB2, RuB2, and OsB2 compounds in the ReB2 structure**
Deligoz E., Colakoglu K., Ciftci Y.
CHINESE PHYSICS B, cilt.21, sa.10, 2012 (SCI-Expanded)

LXVI. **Lattice dynamical properties of TcB2 compound**
Deligoz E., Colakoglu K., Ozisik H. B., Ciftci Y.
SOLID STATE SCIENCES, cilt.14, sa.7, ss.794-800, 2012 (SCI-Expanded)

LXVII. **Ab initio calculations on the structural and lattice dynamical properties of TmX (X=As, P)**

compounds
Coban C., Colakoglu K., Ciftci Y.
JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS, cilt.73, sa.7, ss.917-924, 2012 (SCI-Expanded)

LXVIII. **First principles studies of elastic, electronic and optical properties of chalcopyrite semiconductor ZnSnP2**
Sahin S., Ciftci Y., Colakoglu K., Korozlu N.
JOURNAL OF ALLOYS AND COMPOUNDS, cilt.529, ss.1-7, 2012 (SCI-Expanded)

LXIX. **Superhard transition metal tetranitrides: XN4 (X=Re, Os, W)**
AYDIN S., ÇİFTCİ Y., Tatar A.
JOURNAL OF MATERIALS RESEARCH, cilt.27, sa.13, ss.1705-1715, 2012 (SCI-Expanded)

LXX. **Structural, electronic, elastic, thermodynamic and vibration properties of TbN compound from first principles calculations**
Ciftci Y., Ozayman M., Surucu G., Colakoglu K., Deligoz E.
SOLID STATE SCIENCES, cilt.14, sa.3, ss.401-408, 2012 (SCI-Expanded)

LXXI. **The structural, elastic and thermodynamic properties of intermetallic compound CeGa2**
ÇİFTCİ Y., Colakoglu K., ÇOBAN C., DELİGÖZ E.
CENTRAL EUROPEAN JOURNAL OF PHYSICS, cilt.10, sa.1, ss.197-205, 2012 (SCI-Expanded)

LXXII. **First-Principles Calculations on Structure, Elastic and Thermodynamic Properties of Al2X (X=Sc, Y) under Pressure**
ÇİFTCİ Y., Colakoglu K., DELİGÖZ E., Bayhan U.
JOURNAL OF MATERIALS SCIENCE & TECHNOLOGY, cilt.28, sa.2, ss.155-163, 2012 (SCI-Expanded)

LXXIII. **A first-principle study of the structural, elastic, lattice dynamical and thermodynamic properties of PrX (X=P, As)**
Kocak B., Ciftci Y., Colakoglu K., Deligoz E.
PHYSICA B-CONDENSED MATTER, cilt.407, sa.3, ss.316-323, 2012 (SCI-Expanded)

LXXIV. **A Molecular Dynamics Study on Au**
ÇİFTCİ Y., Colakoglu K., ÖZGEN S.
MOLECULAR DYNAMICS - THEORETICAL DEVELOPMENTS AND APPLICATIONS IN NANOTECHNOLOGY AND ENERGY, ss.201-214, 2012 (SCI-Expanded)

LXXV. **Lattice vibrational properties of Al2X (X = Sc, Y) from density functional theory calculations**
Deligoz E., Colakoglu K., Ozisik H. B., Ciftci Y.
SOLID STATE COMMUNICATIONS, cilt.152, sa.2, ss.76-80, 2012 (SCI-Expanded)

LXXVI. **Vibrational properties of Re2N and Re3N compounds**
Deligoz E., Colakoglu K., Ozisik H. B., Ciftci Y.
SOLID STATE COMMUNICATIONS, cilt.151, sa.17, ss.1122-1127, 2011 (SCI-Expanded)

LXXVII. **Structural, elastic, electronic and thermodynamic properties of Nd2Te via first principle calculations**
Mogulkoc Y., Ciftci Y., Colakoglu K.
JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, cilt.13, ss.946-951, 2011 (SCI-Expanded)

LXXVIII. **The first principles study on the TmSb compound**
Coban C., Colakoglu K., Ciftci Y.
SOLID STATE SCIENCES, cilt.13, sa.6, ss.1291-1298, 2011 (SCI-Expanded)

LXXIX. **First-principles studies of CaX (X = In, Tl) intermetalic compounds**
Ozayman M., Ciftci Y., Colakoglu K., Deligoz E.
JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, cilt.13, ss.565-574, 2011 (SCI-Expanded)

LXXX. **Ab initio study of structural, elastic and vibrational properties of praseodymium chalcogenides**
Kocak B., Ciftci Y., Colakoglu K., Deligoz E.
COMPUTATIONAL MATERIALS SCIENCE, cilt.50, sa.7, ss.1958-1964, 2011 (SCI-Expanded)

LXXXI. **The structural, electronic and optical properties of CdxZn1-xSe ternary alloys**
Korozlu N., Colakoglu K., Deligoz E., Ciftci Y.
OPTICS COMMUNICATIONS, cilt.284, sa.7, ss.1863-1867, 2011 (SCI-Expanded)

LXXXII. **The structural, elastic and vibrational properties of the DyX (X = P, As) compounds**

Ozisik H., Ciftci Y., Colakoglu K., Deligoz E.
PHYSICA SCRIPTA, cilt.83, sa.3, 2011 (SCI-Expanded)

LXXXIII. **Ab initio study of PrAg intermetallic compound**
Kocak B., Ciftci Y., Colakoglu K., Deligoz E.
PHYSICA B-CONDENSED MATTER, cilt.406, sa.3, ss.388-392, 2011 (SCI-Expanded)

LXXXIV. **Mechanical and phonon properties of the superhard LuB2, LuB4, and LuB12 compounds**
Deligoz E., Ozisik H., Colakoglu K., Surucu G., Ciftci Y.
JOURNAL OF ALLOYS AND COMPOUNDS, cilt.509, sa.5, ss.1711-1715, 2011 (SCI-Expanded)

LXXXV. **First principles predictions on mechanical and physical properties of HoX (X = As, P)**
Coban C., Colakoglu K., Ciftci Y.
MATERIALS CHEMISTRY AND PHYSICS, cilt.125, sa.3, ss.887-894, 2011 (SCI-Expanded)

LXXXVI. **Structural, elastic, and lattice dynamical properties of YB2 compound**
Ozisik H., Deligoz E., Colakoglu K., Ciftci Y.
COMPUTATIONAL MATERIALS SCIENCE, cilt.50, sa.3, ss.1057-1063, 2011 (SCI-Expanded)

LXXXVII. **Structural, elastic, electronic, and thermodynamic properties of PrN from first principles calculations**
Kocak B., Ciftci Y., Colakoglu K., Deligoz E.
PHYSICA B-CONDENSED MATTER, cilt.405, sa.19, ss.4139-4144, 2010 (SCI-Expanded)

LXXXVIII. **The structural, electronic, elastic, vibrational, and thermodynamic properties of HoX (X=Sb, Bi)**
ÇOBAN C., Colakoglu K., ÇİFTCİ Y.
PHYSICA B-CONDENSED MATTER, cilt.405, sa.18, ss.3977-3985, 2010 (SCI-Expanded)

LXXXIX. **Electronic and mechanical properties of the PdN: A first-principles study**
Deligoz E., Colakoglu K., Ciftci Y.
PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS, cilt.247, sa.9, ss.2155-2160, 2010 (SCI-Expanded)

XC. **The electronic and optical properties of Zn1-xCaxSe mixed alloys**
Surucu G., Colakoglu K., Deligoz E., Korozlu N., Ciftci Y.
SOLID STATE COMMUNICATIONS, cilt.150, sa.29-30, ss.1413-1418, 2010 (SCI-Expanded)

XCI. **Elastic, electronic, and vibrational properties of RhN compound**
Deligoz E., Colakoglu K., Ciftci Y.
JOURNAL OF MATERIALS SCIENCE, cilt.45, sa.14, ss.3720-3726, 2010 (SCI-Expanded)

XCII. **Phonon dispersion and thermodynamical properties in ZrB2, NbB2, and MoB2**
Deligoz E., Colakoglu K., Ciftci Y.
SOLID STATE COMMUNICATIONS, cilt.150, ss.405-410, 2010 (SCI-Expanded)

XCIII. **Lattice dynamical and thermodynamical properties of HfB2 and TaB2 compounds**
Deligoz E., Colakoglu K., Ciftci Y.
COMPUTATIONAL MATERIALS SCIENCE, cilt.47, sa.4, ss.875-880, 2010 (SCI-Expanded)

XCIV. **The structural, electronic, elastic, phonon, and thermodynamical properties of the SmX (X = P, Sb, Bi) compounds**
Coban C., Colakoglu K., Deligoz E., Ciftci Y.
COMPUTATIONAL MATERIALS SCIENCE, cilt.47, sa.3, ss.758-768, 2010 (SCI-Expanded)

XCV. **Lattice dynamical properties of ScB2, TiB2, and VB2 compounds**
Deligoz E., Colakoglu K., Ciftci Y.
SOLID STATE COMMUNICATIONS, cilt.149, ss.1843-1848, 2009 (SCI-Expanded)

XCVI. **The structural, thermodynamical and elastic properties of TiO**
ÇİFTCİ Y., Unlu Y., Colakoglu K., DELİGÖZ E.
PHYSICA SCRIPTA, cilt.80, sa.2, 2009 (SCI-Expanded)

XCVII. **A first-principles study on the structural, elastic, vibrational, and thermodynamical properties of BaX (X = S, Se, and Te)**
Tuncel E., Colakoglu K., Deligoz E., Ciftci Y.
JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS, cilt.70, sa.2, ss.371-378, 2009 (SCI-Expanded)

XCVIII. **A first-principle study of the structural and lattice dynamical properties of CaX (X=S, Se, and Te)**

Bayrakci M., Colakoglu K., Deligoz E., Ciftci Y.
HIGH PRESSURE RESEARCH, cilt.29, sa.2, ss.187-203, 2009 (SCI-Expanded)

XCIX. **A first-principles studies on TIX (X=P, As)**
ÇİFTCİ Y., Colakoglu K., DELİGÖZ E.
CENTRAL EUROPEAN JOURNAL OF PHYSICS, cilt.6, sa.4, ss.802-807, 2008 (SCI-Expanded)

C. **The first principles study on PtC compound**
Deligoz E., Ciftci Y., Jochym P. T., Colakoglu K.
MATERIALS CHEMISTRY AND PHYSICS, cilt.111, sa.1, ss.29-33, 2008 (SCI-Expanded)

CI. **The structural, thermodynamical, elastic, and vibrational properties of LaBi**
Ciftci Y., Colakoglu K., Deligoz E.
JOURNAL OF PHYSICS-CONDENSED MATTER, cilt.20, sa.34, 2008 (SCI-Expanded)

CII. **Ab initio study on hypothetical silver nitride**
Deligoz Engin D. E., Colakoglu Kemal C. K., Ciftci Yasemin Oztekin C. Y. O.
CHINESE PHYSICS LETTERS, cilt.25, sa.6, ss.2154-2157, 2008 (SCI-Expanded)

CIII. **The structural, elastic, and electronic properties of the pyrite-type phase for SnO2**
Deligoz E., Colakoglu K., Ciftci Y.
JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS, cilt.69, sa.4, ss.859-864, 2008 (SCI-Expanded)

CIV. **The first-principles study on the LaN**
Ciftci Y., Colakoglu K., Deligoz E., Ozisik H.
MATERIALS CHEMISTRY AND PHYSICS, cilt.108, sa.1, ss.120-123, 2008 (SCI-Expanded)

CV. **A first principles study of cubic IrO2 polymorph**
Deligoz E., Colakoglu K., Ciftci Y.
EUROPEAN PHYSICAL JOURNAL B, cilt.60, sa.4, ss.477-481, 2007 (SCI-Expanded)

CVI. **Lattice dynamical calculations for the Ta-W alloys**
Deligoz E., Colakoglu K., Ciftci Y.
MATERIALS LETTERS, cilt.61, sa.27, ss.4867-4871, 2007 (SCI-Expanded)

CVII. **Electronic, elastic, thermodynamical, and dynamical properties of the rock-salt compounds LaAs and LaP**
Deligoz E., Colakoglu K., Ciftci Y., Ozisik H.
JOURNAL OF PHYSICS-CONDENSED MATTER, cilt.19, sa.43, 2007 (SCI-Expanded)

CVIII. **The calculation of some thermoelastic properties and pressure-temperature (P-T) diagrams of Rh and Sr using molecular dynamics simulation**
Ciftci Y., Colakoglu K., Ozgen S., Kazanc S.
JOURNAL OF PHYSICS-CONDENSED MATTER, cilt.19, sa.32, 2007 (SCI-Expanded)

CIX. **The elastic, electronic, and vibrational properties of pure CdF2: A first-principles study**
Deligoz E., Colakoglu K., Ciftci Y.
JOURNAL OF ALLOYS AND COMPOUNDS, cilt.438, ss.66-71, 2007 (SCI-Expanded)

CX. **A molecular dynamics study on iridium**
Ferah G., Colakoglu K., Ciftci Y., Ozgen S., Kazanc S.
CENTRAL EUROPEAN JOURNAL OF PHYSICS, cilt.5, sa.2, ss.207-220, 2007 (SCI-Expanded)

CXI. **The first principles study on boron bismuth compound**
Deligoz E., Colakoglu K., Oztekin Ciftci Y., Ozisik H.
COMPUTATIONAL MATERIALS SCIENCE, cilt.39, sa.3, ss.533-540, 2007 (SCI-Expanded)

CXII. **The first principles study on the Boron antimony compound**
Deligoz E., Colakoglu K., Ciftci Y.
JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS, cilt.68, sa.4, ss.482-489, 2007 (SCI-Expanded)

CXIII. **The effect of pressure on the elastic constants of Cu, Ag and Au: a molecular dynamics study**
Ciftci Y., Colakoglu K., Kazanc S., Ozgen S.
CENTRAL EUROPEAN JOURNAL OF PHYSICS, cilt.4, sa.4, ss.472-480, 2006 (SCI-Expanded)

CXIV. **Temperature and pressure dependence of the some elastic and lattice dynamical properties of copper: a molecular dynamics study**

Kazanc S., Ciftci Y., Colakoglu K., Ozgen S.
PHYSICA B-CONDENSED MATTER, cilt.381, ss.96-102, 2006 (SCI-Expanded)

CXV. **Elastic, electronic, and lattice dynamical properties of CdS, CdSe, and CdTe**
Deligoz E., Colakoglu K., Ciftci Y.
PHYSICA B-CONDENSED MATTER, cilt.373, sa.1, ss.124-130, 2006 (SCI-Expanded)

CXVI. **Spin-dependent transport of holes in microstructures periodically modulated by diluted magnetic semiconductor sections**
Ciftci Y., Wang X., Vasilopoulos P.
PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES, cilt.30, ss.74-80, 2005 (SCI-Expanded)

CXVII. **Lattice dynamical calculations for the bcc cerium**
Deligoz E., Ciftci Y., Colakoglu K.
MATERIALS LETTERS, cilt.59, sa.17, ss.2166-2169, 2005 (SCI-Expanded)

CXVIII. **A large emitting area UV light source with semiconductor cathode**
Salamov B., Ciftci Y., Colakoglu K.
IEEE TRANSACTIONS ON PLASMA SCIENCE, cilt.32, sa.5, ss.2093-2098, 2004 (SCI-Expanded)

CXIX. **Ab initio study of the adsorption of In on the Si(001)-(2 x 2) surface**
Ciftci Y., Cakmak M., Srivastava G., Colakoglu K.
SURFACE SCIENCE, cilt.507, ss.23-28, 2002 (SCI-Expanded)

CXX. **Temperature dependent thermoelastic properties of some fcc crystals**
Ciftci Y., Colakoglu K.
SOLID STATE SCIENCES, cilt.4, sa.2, ss.255-259, 2002 (SCI-Expanded)

CXXI. **Embedded atom method for theoretical strength and stability of some fcc metals**
Ciftci Y., Colakoglu K.
ACTA PHYSICA POLONICA A, cilt.100, sa.4, ss.539-552, 2001 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

I. **First-principles Calculations of TlCdF3 Compound under Pressure**
kocak b., Çiftci Y.
Sakarya Üniversitesi Fen Bilimleri Enstitüsü Dergisi, cilt.28, sa.3, ss.558-566, 2024 (Hakemli Dergi)

II. **ANALYSIS OF TiFe INTERMETALLIC COMPOUND BY DFT**
Taş E., kars durukan i., Çiftci Y.
Journal of scientific reports-A (Online), sa.053, ss.118-130, 2023 (Hakemli Dergi)

III. **Quantum Efficiency Improvement of InGaN Near Ultraviolet LED Design by Genetic Algorithm**
ALP İ., ÖNER B. B., EROĞLU E., ÇİFTCİ Y.
SAKARYA UNIVERSITY JOURNAL OF SCIENCE, cilt.27, sa.1, ss.94-112, 2023 (Hakemli Dergi)

IV. **DFT Analysis of Mechanical and Dynamic Properties of CuBe**
KARS DURUKAN İ., Oztekin Ciftci Y.
Gazi University Journal of Science, cilt.35, sa.4, ss.1652-1663, 2022 (Scopus)

V. **scholarena.com alanından [PDF] Exploring of Elastic, Vibrational and Thermoelectric Properties of NaScGe Compound: Ab-initio Study**
Çiftci Y.
J Nanosci Nanotechnol Appl, cilt.5, sa.101, ss.1-10, 2021 (Hakemli Dergi)

VI. **Exploring of Elastic, Vibrational and Thermoelectric Properties of NaScGe Compound: Ab-initio Study**
ÇİFTCİ Y.
J Nanosci Nanotechnol Appl, cilt.5, sa.101, ss.2, 2021 (Hakemli Dergi)

VII. **Study of electronic and lattice dynamical propertiesof antiperovskite-type nitrides XNNi3 (X= Pd, Snand Sb)**

Moğulkoç Y., Çiftci Y., Sürücü G.
International Journal of Biosensors Bioelectronics, cilt.4, sa.2, ss.70-75, 2018 (Hakemli Dergi)

VIII. **The effect of pressure on structural, electronic, elastic, vibration and optical properties of ScXSb (X=Ni, Pd, Pt) compounds**
Kocak B., Ciftci Y.
Computational Condensed Matter, cilt.14, ss.176-185, 2018 (Scopus)

IX. **The First Principles Approach to The Structural, Elastic, Electronic, Vibrational and Thermal Properties of CsCl type-ErAu Alloy**
MOĞULKOÇ Y., ÇİFTCİ Y.
Cumhuriyet Science Journal, cilt.38, sa.4, ss.611-618, 2017 (Hakemli Dergi)

X. **An Ab-initio study on UAl for nuclear applications**
Özcan A., Çiftci Y., Alp İ.
EPJ WEB OF CONFERENCES, cilt.154, ss.1021-1025, 2017 (Scopus)

XI. **Investigation on Structural, Elastic, Electronic and Vibrational Properties of LiTiAl Half-Heusler Compound Using First Principles Methods**
MOĞULKOÇ Y., ÇİFTCİ Y.
Cumhuriyet Science Journal, cilt.38, sa.2, ss.312, 2017 (Hakemli Dergi)

XII. **Yarı-Heusler LiScPb Yarıiletkeni Üzerine Bir İlk İlkesel Araştırma**
MOĞULKOÇ Y., ÇİFTCİ Y.
SAÜ Fen Bilimleri Enstitüsü Dergisi, cilt.21, sa.6, ss.1278, 2017 (Hakemli Dergi)

XIII. **First principles LDA U and GGA U study of HfO2 Dependence on the effective U parameter**
ÇİFTCİ Y., Ahmet Hakan E., Kemal Ç., DELİGÖZ E.
Gazi University Journal of Science, cilt.27, sa.1, ss.627-636, 2014 (Scopus)

XIV. **First principles study of structural elastic and electronic properties of NdTe2 and TlNdTe2**
MOĞULKOÇ Y., ÇİFTCİ Y., KABAK M., Kemal Ç.
Cumhuriyet University Faculty of Science ISSN: 1300-1949Science Journal (CSJ), cilt.34, sa.3, ss.12, 2013 (Hakemli Dergi)

XV. **Ab-initio Total Energy Calculations on the AgNd Compound**
Sürücü G., Çolakoğlu K., Deligöz E., Çiftci Y.
BALKAN PHYSICS LETTERS, cilt.15, ss.151018, 2009 (Hakemli Dergi)

XVI. **The lattice dynamics and some elastic properties of c-fcc and bcc lanthanum**
Çakmak M., Öztekin Y., Çolakoğlu K.
Proc. Suppl. BPL,, cilt.5, ss.466-469, 1997 (Hakemli Dergi)

Kitap & Kitap Bölümleri

I. **STRUCTURAL, ELECTRONIC, ELASTIC, AND VIBRATIONAL PROPERTIES OF THE CHALCOPYRITE SEMICONDUCTOR ZNSIP2**
ALP İ., ÇİFTCİ Y.
INTERNATIONAL THEORY, RESEARCH AND REVIEWS IN SCIENCE AND MATHEMATICS, Prof. Dr. Hasan AKGÜL, Editör, Serüven Yayıevi, Ankara, ss.1-17, 2023

II. **An Ab-initio Study of Structural, Elastic, Electronic, Vibrational and Optical Properties of Semiconductor NaAlSi Compound for Optoelectronic Applications**
Çiftci Y.
Advances in Optoelectronic Materials, Shadia Ikmayies,Hatice Hilal Kurt, Editör, Springer, London/Berlin , Geneve, ss.125-144, 2021

III. **An Ab-initio Study of Structural, Elastic, Electronic, Vibrational and Optical Properties of Semiconductor NaAlSi Compound for Optoelectronic Applications**
ÇİFTCİ Y.

Advances in Optoelectronic Materials, Shadia Jamil Ikhmayies, Hatice Hilal Kurt, Editör, Springer, Cham, ss.125-144, 2021

IV. **Molecular Dynamics Study on Au**
ÇİFTCİ Y., Kemal Ç., ÖZGEN S.
Theoretical Developments and Applications in Nanotechnology and Energy, Waang Lichang , Editör, CC BY 3.0 license, ss.201, 2012

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

I. **ANALYSIS OF STRUCTURAL, ELECTRONIC, MECHANICAL AND THERMODYNAMIC PROPERTIES OF Ir3TiC COMPOUND USING DFT**
KARS DURUKAN İ., ÇİFTCİ Y.
2nd International Karatekin Science and Technology Conference (IKSTC2nd), Çankırı, Türkiye, 21 - 22 Aralık 2023

II. **THE INFLUENCE OF PRESSURE ON THE STRUCTURAL AND ELASTIC PROPERTIES OF THE CuY INTERMETALLIC COMPOUND**
KARS DURUKAN İ., ÇİFTCİ Y.
2nd International Karatekin Science and Technology Conference (IKSTC2nd), Çankırı, Türkiye, 21 - 22 Aralık 2023

III. **Some physical properties of B2 type AgY intermetallic compound from Ab-initio Calculations**
ÇİFTCİ Y., KARS DURUKAN İ.
2nd International Karatekin Science and Technology Conference (IKSTC2nd), Çankırı, Türkiye, 21 - 22 Aralık 2023

IV. **Effect of Pressure on Optoelectronic Properties of Ir3ZrC Compound**
ÇİFTCİ Y., KARS DURUKAN İ.
2nd International Karatekin Science and Technology Conference (IKSTC2nd), Çankırı, Türkiye, 21 - 22 Aralık 2023

V. **Computational Study of Structural, Electronic Mechanical and Optical Properties of Antiperovskite PNSr3 Compound**
Gemici İ. A., ÇİFTCİ Y., KARS DURUKAN İ.
3. INTERNATIONAL CONGRESS ON CONTEMPORARY SCIENCE RESEARCH, Ankara, Türkiye, 07 Ağustos 2023

VI. **ANALYSIS OF STRUCTURAL AND MECHANICAL PROPERTIES OF YHg INTERMETALLIC COMPOUND**
KARS DURUKAN İ., demir f., ÇİFTCİ Y.
3. INTERNATIONAL CONGRESS ON CONTEMPORARY SCIENTIFIC RESEARCH, Adana, Türkiye, 7 - 08 Ağustos 2023

VII. **CONCENTRATION DEPENDENCE OF STRUCTURAL AND MECHANICAL AND ELECTRONIC PROPERTIES OF IrTi1-xZnx INTERMETALIC COMPOUND**
ÇİFTCİ Y., KARS DURUKAN İ.
3. INTERNATIONAL CONGRESS ON CONTEMPORARY SCIENTIFIC RESEARCH, Adana, Türkiye, 7 - 08 Ağustos 2023

VIII. **TRANSITION METAL ADDING ON B2-TYPE TlCl COMPOUND FOR PHYSICAL PROPERTIES : AB-INITIO CALCULATIONS**
ÇİFTCİ Y., KARS DURUKAN İ.
3. INTERNATIONAL CONGRESS ON CONTEMPORARY SCIENTIFIC RESEARCH, Adana, Türkiye, 7 - 08 Ağustos 2023

IX. **ANALYSIS OF STRUCTURAL AND OPTIC PROPERTIES OF TiZn INTERMETALLIC COMPOUND**
KARS DURUKAN İ., ÇİFTCİ Y.
3. INTERNATIONAL CONGRESS ON CONTEMPORARY SCIENTIFIC RESEARCH, Adana, Türkiye, 7 - 08 Ağustos 2023

X. **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, Türkiye, 20 Aralık 2022

XI. **AlPd Bileşiğinin Termodinamik Özellikleri**
Çorbacı G., Akkuş C., ALP İ., ÇİFTCİ Y.
YMF Ankara - 27, Ankara, Türkiye, 16 Aralık 2022

XII. **Thermodynamic Properties of Half –Heusler Semiconductor RhTiSb Compound**
KARS DURUKAN İ., ÇİFTCİ Y.

ICMATSE, Türkiye, 27 - 29 Ekim 2022

XIII. **Investigation of Mechanical Properties of NixW6Se8 (x=1,2,3,4) Chevrel Phase Compounds**
Dağ T. S., Gencer A., Özel F., Sürücü G., Çiftci Y.
International Conference on Advanced Materials Science & Engineering and High Tech Device Applications, Ankara, Türkiye, 27 - 29 Ekim 2022, ss.74

XIV. **Pressure effect on the elastic and electronic properties of RhTiSb Half Heusler compound**
ÇİFTCİ Y., KARS DURUKAN İ.
ECRES 2022, İstanbul, Türkiye, 07 Mayıs 2022

XV. **Optoelectronic Properties of Semiconductor NiHfSi Compound via Ab-initio Methods**
KARS DURUKAN İ., ÇİFTCİ Y.
ECRES 2022, İstanbul, Türkiye, 07 Mayıs 2022

XVI. **Ab-initio study on hydrogen storage of Ni substutited CuZn in B2 structure**
ÇİFTCİ Y., KARS DURUKAN İ.
ECRES 2022, İstanbul, Türkiye, 07 Mayıs 2022

XVII. **Defect effects on hardness of B2-type YIn Compound**
KARS DURUKAN İ., ÇİFTCİ Y.
ECRES 2022, İstanbul, Türkiye, 07 Mayıs 2022

XVIII. **First-Principles study on thermoelectric and electronic properties of Half-Heusler BeCaGa compound under strain**
ÇİFTCİ Y., KARS DURUKAN İ.
ECRES 2022, İstanbul, Türkiye, 07 Mayıs 2022

XIX. **Theoretical Analysis of Thermodynamic Properties of RhTiAs Half Heusler Compound**
KARS DURUKAN İ., ÇİFTCİ Y.
ECRES 2022, İstanbul, Türkiye, 07 Mayıs 2022

XX. **NiW6Se8 Chevrel Phase for Photocatalytic Water Splitting: A DFT Study**
DAĞ T. S., GENCER A., ÖZEL F., SÜRÜCÜ G., ÇİFTCİ Y.
10. EUROPEAN CONFERENCE ON RENEWABLE ENERGY SYSTEMS, 7 - 09 Mayıs 2022, ss.18

XXI. **ANALYSIS OF CoTiSb COMPOUND BY FIRST PRINCIPLES METHOD**
KARS DURUKAN İ., ÇİFTCİ Y.
3. ULUSLARARASI MÜHENDİSLİK BİLİMLERİ VE MULTİDİSİPLİNER YAKLAŞIMLAR KONGRESİ, Ankara, Türkiye, 10 Şubat 2022

XXII. **THEORETICAL INVESTGATON OF THE MECHANICAL AND ELECTRONIC PROPERTIES OF YbS COMPOUND**
KARS DURUKAN İ., ÇİFTCİ Y.
3. ULUSLARARASI MÜHENDİSLİK BİLİMLERİ VE MULTİDİSİPLİNER YAKLAŞIMLAR KONGRESİ, Ankara, Türkiye, 10 Şubat 2022

XXIII. **Effects of Compositions on the Properties of Cu doped ScAu : First-Principles Study**
Durukan İ. K., ÇİFTCİ Y.
Interdisciplinary Conference on Mechanics, Computers and Electrics, Ankara, Türkiye, 27 Kasım 2021, ss.173

XXIV. **Effects of Compositions on the Properties of Cu doped ScAu : First-Principles Study**
KARS DURUKAN İ., ÇİFTCİ Y.
ICMECE, Türkiye, 27 - 28 Kasım 2021

XXV. **Effects Effect of Pressure on Physical and Vibrational Properties of YbS Compound**
KARS DURUKAN İ., ÇİFTCİ Y.
ICMECE, Türkiye, 27 - 28 Kasım 2021

XXVI. **Optoelectronic Properties of Zn doped Lead free photovoltaic CsSnI3 compound**
Çiftci Y.
9th Eur. Conf. Ren. Energy Sys(ECRES 2021), Ankara, Türkiye, 21 Nisan - 23 Ekim 2022, ss.562-564

XXVII. **Pressure-induced Effects on Phase Transition Elastic Properties, Electronic, Vibrational and Thermodynamic Properties of CeAs Compound :Ab-initio Study**
ÇİFTCİ Y., KARS DURUKAN İ.

ECRES 2021, Türkiye, 21 - 23 Nisan 2021

XXVIII. **A theoretical study of pressure-induced effects on CeAs compound**
Kars Durukan İ., Çiftci Y.
EcRES-2021, İstanbul, Türkiye, 21 - 23 Nisan 2021, ss.559-561

XXIX. **Analysis of optical properties of the CeTl intermetallic structure**
Kars Durukan İ., Çiftci Y.
ECRES-2021, İstanbul, Türkiye, 21 - 23 Nisan 2021, ss.553-555

XXX. **Ab initio Calculations of the Mechanical Vibration and bond Nature of the CdSr Compound**
Kars Durukan İ., Çiftci Y.
ECRES-2021, İstanbul, Türkiye, 21 - 23 Nisan 2021, ss.549-552

XXXI. **The Physical Properties of newly synthesized superconductor compound LaNiGe via Ab-initio calculatios**
Çiftci Y., Kars Durukan İ.
ECRES-2021, İstanbul, Türkiye, 21 - 23 Nisan 2021, ss.556-558

XXXII. **Evaluation of Mechanical and Thermodynamic Properties of BaZn compound by DFT**
Kars Durukan İ., Çiftci Y.
ECRES-2021, İstanbul, Türkiye, 21 - 23 Nisan 2021, ss.544-548

XXXIII. **Effects of Al/In doping on the hydrogen storage performance, elastic and vibrational properties of IrGa alloy in B2 structure**
ÇİFTCİ Y., KOÇAK B.
International Conference on Advanced Materials ScienceEngineering and High Tech Devices Applications Exhibition (ICMATSE 2020), 2 - 04 Ekim 2020

XXXIV. **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, Türkiye, 02 Ekim 2020

XXXV. **A computational study of structural, electronic, vibrational and optical properties of YNiBi half-Heusler alloy**
KOÇAK B., ÇİFTCİ Y.
International Conference on Advanced Materials Science Engineering and High Tech Devices Applications Exhibition (ICMATSE 2020), 2 - 04 Ekim 2020

XXXVI. **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, Türkiye, 24 - 25 Ağustos 2020, ss.39

XXXVII. **COMPOSITION EFFECTS ON ELASTIC AND ELECTRONIC PROPERTIES OF RU DOPED OSHF (RUXOS1-XHF) ALLOYS: AB-INITIO STUDY**
ÇİFTCİ Y.
8.EUROPEAN CONFERENCE ON RENEWABLE ENERGY SYSTEMS, İstanbul, Türkiye, 24 Ağustos 2020, ss.730-734

XXXVIII. **THEORETICAL STUDY ON PRESSURE EFFECTS ON PHYSICAL PROPERTIES OF SEMICONDUCTOR COMPOUND LiCdP**
ÇİFTCİ Y.
8.EUROPEAN CONFERENCE ON RENEWABLE ENERGY SYSTEMS, İstanbul, Türkiye, 24 Ağustos 2020, ss.725-729

XXXIX. **Pressure Effect on Phase Transition for CaTe Compound**
ÇİFTCİ Y., KARS DURUKAN İ.
6th International Conference on Materials Science and Nanotechnology For Next Generation (MSNG2019), 16 - 18 Ekim 2019

XL. **The effect of Rh, Ir doping on the structural and elastic properties of CoAl: An ab-initio study**
KARS DURUKAN İ., ÇİFTCİ Y.
6th International Conference on Materials Science and Nanotechnology For Next Generation (MSNG2019), 16 - 18 Ekim 2019

XLI. **A first-principles study of B2 TcSi alloyed with Mn,Re**

KARS DURUKAN İ., ÇİFTCİ Y.
6th International Conference on Materials Science and Nanotechnology For NextGeneration (MSNG2019, 16 - 18 Ekim 2019

XLII. **Ab-INITIO STUDY OF INTERMETALLIC BaZnIN B2 STRUCTURE FOR ELASTIC AND THERMODYNAMIC PROPERTIES UNDER PRESSURE**
KARS DURUKAN İ., ÇİFTCİ Y.
2nd International Eurasian Conference onBiological and Chemical Sciences, 28 - 29 Haziran 2019

XLIII. **Structural, elastic, electronic and vibrational properties of CdSr compound : First-principles study pressure**
KARS DURUKAN İ., ÇİFTCİ Y.
2nd International Eurasian Conference onBiological and Chemical Sciences, 28 - 29 Haziran 2019

XLIV. **BOR INCORPORATION INTO YRh in B2 STRUCTURE: An AB-INITIO STUDY**
Çiftci Y., Alp İ.
1. Uluslaraarası 23 Nisan Multidisipliner Çalışmalar Kongresi, Ankara, Türkiye, 20 - 23 Nisan 2019, ss.170-174

XLV. **EFFECTS OF COMPOSITIONS ON THE PROPERTIES OF Cu DOPED AuCdSHAPE MEMORY ALLOY : FIRST-PRINCIPLES STUDY**
ÇİFTCİ Y., Durukan İ. K.
1. ULUSLARARASI23 NİSAN MULTİDİSİPLİNER ÇALIŞMALAR KONGRESİ, Ankara, Türkiye, 20 - 23 Nisan 2019, ss.163-169

XLVI. **THEORETICAL STUDY OF STRUCTURAL, ELASTIC ANISOTROPY, ELECTRONIC, AND VIBRATIONAL PROPERTIES OF CuBe COMPOUND**
KARS DURUKAN İ., ÇİFTCİ Y.
I.ULUSLARARASI 23 NİSANMULTİDİSİPLİNER ÇALIŞMALAR KONGRESİ, 20 - 23 Nisan 2019

XLVII. **FIRST-PRINCIPLES STUDY OF STRUCTURAL, ELASTIC, ELECTRONIC, THERMODYNAMIC PROPERTIES OF RuTi COMPOUND in B2 STRUCTURE**
KARS DURUKAN İ., ÇİFTCİ Y.
1. ULUSLARARASI23 NİSAN MULTİDİSİPLİNER ÇALIŞMALAR KONGRESİ, 20 - 23 Nisan 2019

XLVIII. **The Influence of Boron Dopant on the Structural and Mechanical Properties of Silicon: First Principles Study**
Ikhmayies S., ÇİFTCİ Y.
Energy Technologies Symposium, San-Antonio, Kuzey Mariana Adaları, 01 Ocak 2019, ss.191-199

XLIX. **The Influence of Phosphorus Dopant on the Structural and Mechanical Properties of Silicon**
Ikhmayies S., ÇİFTCİ Y.
Energy Technologies Symposium, San-Antonio, Kuzey Mariana Adaları, 01 Ocak 2019, ss.201-211

L. **The Pressure Effects on Physical Properties of CeZn Compound in B2 Structure**
KARS DURUKAN İ., ÇİFTCİ Y.
EurosianSciTech-2018, 22 - 23 Kasım 2018

LI. **A First-Principles Study of Pressure-induced Effects on Phase Transition, Elastic and Electronic Properties of CeTe Compound**
KARS DURUKAN İ., ÇİFTCİ Y.
EurosianSciTech-2018, 22 - 23 Kasım 2018

LII. **Pressure Effects on Electronic and Elastic Properties of Half-Heusler Semiconductor AgScSi for Optoelectronic Applications**
KARS DURUKAN İ., ÇİFTCİ Y.
5th International Conference on Materials Science and Nanotechnology For Next Generation, 4 - 06 Ekim 2018

LIII. **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, Türkiye, 4 - 06 Ekim 2018, ss.266-269

LIV. **Structural, Optic and Vibrational Properties of CeTl Using First-Principles Study**
KARS DURUKAN İ., ÇİFTCİ Y.

Computational Sciences Congress, 26 - 28 Ekim 2018

LV. **CeP : Structural, Electronic, Thermodynamic And Vibrational Properties By First Principles Calculations**
KARS DURUKAN İ., ÇİFTCİ Y.
Computational Sciences Congress, 26 - 28 Ekim 2018

LVI. **A First-Principles Study of Pressure-induced Effects on Phase Transition, Elastic, Electronic and Vibrational Properties of CeSb Compound**
KARS DURUKAN İ., ÇİFTCİ Y.
Computational Sciences Congress, 26 - 28 Ekim 2018

LVII. **Hydrogen Storage on Ca-decorated Rectangular Carbon Pentaheptite**
Alp İ., Çiftci Y.
II. International Congress on New Trends in Science, Engineering and Technology, İtalya, 4 - 06 Eylül 2018, ss.171

LVIII. **Structural, Electronic And Elastic Properties of NaYC Compound UnderPressure**
ÇİFTCİ Y., ALP İ.
II. International Congress on New Trends in Science, Engineering and Technology, Roma, İtalya, 4 - 06 Eylül 2018

LIX. **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), Türkiye, 04 Ekim 2018

LX. **Electronic and Optical Properties of NaYPb Compound**
ALP İ., ÇİFTCİ Y.
5th International conference on materials science and nanotechnology for next generation (MSNG2018), Türkiye, 04 Ekim 2018

LXI. **A Potential Half-Heusler Thermolectric Material NaYGe: A First-Principles Study**
ÇİFTCİ Y., ALP İ.
5th International conference on materials science and nanotechnology for next generation (MSNG2018), Türkiye, 04 Ekim 2018

LXII. **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, Türkiye, 4 - 06 Ekim 2018

LXIII. **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), Türkiye, 04 Ekim 2018

LXIV. **LiPb : Structural, Elastic, Electronic, Thermodynamic And Vibrational Properties By First Principles Calculations**
Çiftci Y., Alp İ., Moğulkoç Y.
II. International Congress on New Trends in Science, Engineering and Technology, Rome, İtalya, 4 - 06 Eylül 2018

LXV. **High Pressure Physical Properties of AsPu Compound**
ALP İ., ÇİFTCİ Y.
6. European Conference on Renewable Energy Systems (ECRES 2018), İstanbul, Türkiye, 25 Haziran 2018

LXVI. **The Thermodynamical Properties of AsPr via First Principles**
ALP İ., ÇİFTCİ Y.
6. European Conference on Renewable Energy Systems (ECRES 2018), İstanbul, Türkiye, 25 Haziran 2018

LXVII. **The Pressure Effects on Physical Properties of AlNi Compound in B2 Structure**
ÇİFTCİ Y., ALP İ.
6. European Conference on Renewable Energy Systems (ECRES 2018), İstanbul, Türkiye, 25 Haziran 2018

LXVIII. **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, Türkiye, 25 Haziran 2018

LXIX. **A Theoretical Study of Pressure-Induced Effects on Phase Transition and Elastic Properties of AsTh Compound**
ÇİFTCİ Y., ALP İ.
6. European Conference on Renewable Energy Systems (ECRES 2018), İstanbul, Türkiye, 25 Haziran 2018

LXX. **Hydrogen Storage on Li-decorated YCrB4-type Graphene Allotrope**
ALP İ., ÇİFTCİ Y.
6. European Conference on Renewable Energy Systems (ECRES 2018), İstanbul, Türkiye, 25 Haziran 2018

LXXI. **The Structure, Electronic , Elastic and Vibrational Properties of SnNCa3 under pressure from First-Principles**
ÇİFTCİ Y., EVECEN M.
4th International conference on Pure and Applied Sciences : Renewable Energies, İstanbul, Türkiye, 23 - 25 Kasım 2017

LXXII. **An Ab-initio study on UAl for nuclear applications**
ÇİFTCİ Y., ÖZCAN A., Alp İ.
3rd International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology, TESNAT 2017, Adana, Türkiye, 10 - 12 Mayıs 2017, cilt.154

LXXIII. **RhAl: Structural, elastic, electronic, thermodynamic and vibrational properties by first principles calculations**
ÖZCAN A., ÇİFTCİ Y., ALP İ.
Turkish Pysical Soeciety 33rd Intyernational Physical Congress, 6 - 10 Eylül 2017, ss.636

LXXIV. **The pressure effect on physical properties of CuTlS2**
ALP İ., ÇİFTCİ Y.
Turkish Physical Society 33.rd International Physics Congress, 6 - 10 Eylül 2017

LXXV. **Pressure effects on electronic, elastic and vibration properties of metallic antiprevskite PbNCa3 by ab initio calculations**
ÇİFTCİ Y., EVECEN M., ALP İ.
Turkish Physical Soeciety 33rd International Physics Congress, 6 - 10 Eylül 2017

LXXVI. **First- Principles Study of RuAl Compound in B2 Strsucture**
ÇİFTCİ Y., ÖZCAN A., EVECEN M.
Turkish Physical Society 33rd International Physics Congress, 6 - 10 Eylül 2017, ss.612

LXXVII. **The structural, elastic, electronic, optical and phonon properties of CuTlSe2**
ALP İ., ÇİFTCİ Y.
Turkish Physical Society 33rd International Physics Congress, 6 - 10 Eylül 2017, ss.655

LXXVIII. **ELECTRONIC AND MECHANICAL PROPERTIES OF HALF HEUSLER SEMICONDUCTOR LiScSn VIA FIRST-PRINCIPLES CALCULATIONS**
MOĞULKOÇ Y., ÇİFTCİ Y.
TURKISH PHYSICAL SOCIETY 33rd INTERNATIONAL PHYSICS CONGRESS, 6 - 10 Eylül 2017

LXXIX. **GeNCa3: Structure, electronic, elastic, and vibrational properties from first-principles**
ÇİFTCİ Y., EVECEN M., ALP İ.
Turkish Physical Society 33 rd Internatioanl Physics Congress, Bodrum, Türkiye, 6 - 10 Eylül 2017, ss.614

LXXX. **ELECTRONIC AND OPTICAL PROPERTIES OF SINGLE-LAYER STRAINED SNC**
MOĞULKOÇ Y., MODARRESI M., MOĞULKOÇ A., ÇİFTCİ Y., ALKAN Ş. B.
TURKISH PHYSICAL SOCIETY 33rd INTERNATIONAL PHYSICS CONGRESS, Muğla, Türkiye, 6 - 10 Eylül 2017

LXXXI. **An ab-initio study of structural, elastic, elctronic and optical properties for chalcopyrite semiconductor CaSiN2 compound**
ÇİFTCİ Y., ALP İ., MOĞULKOÇ Y.
5. European Conference on Renewable Energy Systems, Bosna-Hersek, 27 - 30 Ağustos 2017

LXXXII. **HIGH-PRESSURE EFFECT ON ZnSiN2: A FIRST-PRINCIPLES STUDY**
ALP İ., ÇİFTCİ Y.
5. European Conference on Renewable Energy Systems, Saraybosna, Bosna-Hersek, 27 - 30 Ağustos 2017, ss.75

LXXXIII. **THE CORROSION BEHAVIOUR OF ALUMINIUM MATRIXCOMPOSITES IN AQUEOUS 3.5 M NaCl**

SOLUTION
AYTAÇ A., KEZBAN S., ÇİFTCİ Y.
1th INTERNATIONAL CONFERENCE ON ENERGY ANDTHERMAL ENGINEERING, İstanbul, Türkiye, 25 - 28 Nisan 2017, ss.920

LXXXIV. **Ag Dekore Edilmiş ThMoB4 Tipi Grafen Allotropunun Hidrojen Depolama Özelliklerinin İlk İlkeler Yöntemi İle İncelenmesi**
ALP İ., ÇİFTCİ Y., AYDIN S.
22. Yoğun Madde Fiziği Ankara Toplantısı, Ankara, Türkiye, 16 Aralık 2016

LXXXV. **A FIRST PRINCIPLES STUDIES ON STRUCTURAL AND ELASTIC PROPERTIES OF Sr2Ge COMPOUND**
ALP İ., ÇİFTCİ Y.
1st International Mediterranean Science and Engineering Congress (IMSEC 2016), Adana, Türkiye, 26 - 28 Ekim 2016

LXXXVI. **AB INITIO CALCULATIONS FOR THE OPTICAL AND PHONON PROPERTIES OF ANTI FLUORITE SEMICONDUCTOR Sr2Sn**
ÇİFTCİ Y., ALP İ.
1st International Mediterranean Science and Engineering Congress (IMSEC 2016), Adana, Türkiye, 26 - 28 Ekim 2016

LXXXVII. **A THEORETICAL STUDY ON THE STRUCTURAL ELASTIC AND VIBRATIONAL PROPERTIES OF Sr2Si COMPOUND**
ÇİFTCİ Y., ALP İ.
1st International Mediterranean Science and Engineering Congress (IMSEC 2016), Adana, Türkiye, 26 - 28 Ekim 2016

LXXXVIII. **THE PRESSURE DEPENDENCE OF THE SIGNIFICANT PHYSICAL PROPERTIES OF SEMICONDUCTOR Ba2Si**
ALP İ., ÇİFTCİ Y.
1st International Mediterranean Science and Engineering Congress (IMSEC 2016), Adana, Türkiye, 26 - 28 Ekim 2016

LXXXIX. **First Principles Study on Electronic and Thermoelectric Properties for Half Heusler Semiconductor NaAlC Compound**
ÇİFTCİ Y.
2nd International Congress on The World of Technology and Advanced Materials, 28 Eylül - 02 Ekim 2016

XC. **First Principles Study on Half Heusler NaMgAs Compound**
ALP İ., ÇİFTCİ Y.
2nd International Congress on The World of Technology and Advanced Materials, Kırşehir, Türkiye, 28 Eylül - 02 Ekim 2016

XCI. **An ab initio Study of Structural Elastic Vibration and Optic Properties for Semiconductor NaAlGe Compound**
ÇİFTCİ Y., ALP İ.
2nd International Congress on The World of Technology and Advanced Materials, Kırşehir, Türkiye, 28 Eylül - 02 Ekim 2016

XCII. **A theoretical Study of Structural Elastic Vibration and Optic Properties for Half Heusler Semiconductor NaAlC Compound Using ab initio Method**
ÇİFTCİ Y.
2nd International Congress on The World of Technology and Advanced Materials, Kırşehir, Türkiye, 28 Eylül - 02 Ekim 2016

XCIII. **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, Türkiye, 28 Eylül - 02 Ekim 2016

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

ALP İ., ÇİFTCİ Y.
2nd International Congress on The World of Technology and Advanced Materials, Kırşehir, Türkiye, 28 Eylül - 02 Ekim 2016

XCV. **A DFT Study on Structural Phase Transition and Mechanical Properties of LiAl**
MOĞULKOÇ Y., ÇİFTCİ Y., SÜRÜCÜ G.
2nd International Congress on The World of Technology and Advanced Material, Kırşehir, Türkiye, 28 Eylül - 02 Ekim 2016

XCVI. **A DFT Study on Structural Phase Transition and Mechanical Properties of LiAl**
MOĞULKOÇ Y., ÇİFTCİ Y., SÜRÜCÜ G.
2nd International Congress On The World Of Technology And Advanced Materials, 28 Eylül - 02 Ekim 2016

XCVII. **THE FIRST PRINCIPLES CALCULATIONS FOR THE STRUCTURAL ELASTIC ELECTRONIC AND VIBRATIONAL PROPERTIES OF ScHg**
ALP İ., ÇİFTCİ Y.
Turkish Physical Society 32nd International Physics Congress, Muğla, Türkiye, 6 - 09 Eylül 2016

XCVIII. **FIRST PRİNCİPLES INVESTGATIONS OF STRUCTURAL ELASTIC ELECTRONIC THERMODYNAMIC AND VIBRATIONALPROPERTIES OF LACD COMPOUND**
ÇİFTCİ Y., ALP İ., MOĞULKOÇ Y., ÖZCAN A.
TURKISH PHYSİCAL SOCIETY 32. INTERNATIONAL PHYSICS CONGRESS, 6 - 09 Eylül 2016

XCIX. **The first principles investigation of LuXO3 X Al Ga In cubic Preovskite Oxides**
Sürücü G., ÇİFTCİ Y., SÜRÜCÜ G.
Turkish Physical Soceiety 32 nd International Physics Congress, 6 - 09 Eylül 2016

C. **AB INITIO CALCULATIONSOF YBCD INTERMETALLIC COMPOUND IN B2 STRUCTURE**
ÇİFTCİ Y., ALP İ., ÖZCAN A.
TURKISH PHYSICAL SOCİETY 32. İNTERNATIONAL PHYSICS CONGRESS, 6 - 09 Eylül 2016

CI. **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, Türkiye, 6 - 09 Eylül 2016

CII. **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, Türkiye, 6 - 09 Eylül 2016

CIII. **The First Principles Calculations for the Structural Elastic Electronic and Vibrational Properties of ScHg**
Alp İ., Çiftci Y.
Turkish Physical Soceiety 32 nd Internatioanl Physics Congress, Muğla, Türkiye, 6 - 09 Eylül 2016, ss.334

CIV. **Ab initio Calculations of YbCd Intermetallic Compounds in B2 Structure**
ÇİFTCİ Y., Alp İ., ÖZCAN A.
Turkish Physical Society 32 nd International Physical Congress, Türkiye, 6 - 09 Eylül 2016

CV. **PRESSURE DEPENDENCE OF THE PHYSICAL PROPERTIES FOR YbHg COMPOUND**
Alp İ., Çiftci Y.
Turkish Physical Society 32nd International Physics Congress, Muğla, Türkiye, 6 - 09 Eylül 2016

CVI. **Electronic and optical properties of stack depended blue phosphorus**
MOĞULKOÇ Y., Modarresi M., Mogulkoç A., ÇİFTCİ Y.
Turkish Physical Soceiety 32 nd Internatioanl Physics congress, 6 - 09 Eylül 2016

CVII. **Pressure dependence of physical properties for YbHg compound**
Alp İ., ÇİFTCİ Y.
Turkish Physical Socienty 32 nd Internatioanl Physics congress, 6 - 09 Eylül 2016

CVIII. **The First Prenciples Investigation Of LuXO3 Al Ga and In Cubic Perovskite OxIdes**
sürücü G., ÇİFTCİ Y., SÜRÜCÜ G.
Turkish Physical Society 32nd International Physics congress, 6 - 09 Eylül 2016

CIX. **Hydrogen adsorption on lithium and beryllium decorated planar ThMoB4 type graphene allotrope**
ALP İ., AYDIN S., ÇİFTCİ Y.
European Advanced Materials Congress 2016, Stockholm, İsveç, 23 - 25 Ağustos 2016

CX. **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, İsveç, 23 - 25 Ağustos 2016

CXI. **Hydrogen storage on nano level optimized pentaheptite graphene allotrope with sodium decoration**
ALP İ., AYDIN S., ÇİFTCİ Y.
12th Nanoscience and Nanotechnology Conference, Kocaeli, Türkiye, 3 - 05 Haziran 2016

CXII. **Hydrogen adsorption on Ca decorated hexagonal planar carbon pentaheptite**
ALP İ., ÇİFTCİ Y., AYDIN S.
12th Nanoscience and Nanotechnology Conference, Kocaeli, Türkiye, 3 - 05 Haziran 2016

CXIII. **Ab initio calculations of semiconductor LiScGe compound**
Çiftci Y., Alp İ.
2 nd International Conference on Organic Electronic Material Technologies (OEMT2016), Çanakkale, Türkiye, 17 - 19 Mayıs 2016

CXIV. **Theoretical investigation of the electronic structure elastic dynamic properties of intermetallic compound NiBe under pressure**
EVECEN M., ÇİFTCİ Y., ALDIRMAZ E.
2 nd International Conference on Organic Electronic Material Technologies (OEMT2016), 17 - 19 Mayıs 2016

CXV. **Structural mechanical electronic dynamic and optical properties of semiconductor half Heusler compound LiScSi under pressure from first principle study**
ÇİFTCİ Y., EVECEN M.
2 nd International Conference on Organic Electronic Material Technologies (OEMT2016), 17 - 19 Mayıs 2016

CXVI. **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, Türkiye, 17 - 19 Mayıs 2016

CXVII. **First Principles Study on UB6 for Nuclear Applications**
ÇİFTCİ Y., ÖZCAN A., Kılıç M.
International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology, 28 - 30 Nisan 2016

CXVIII. **PRESSURE DEPENDENCE of ELECTRONIC ELASTIC and PHONON PROPERTIES of TiSe2**
Alp İ., Çiftci Y.
1st International Physics Conference at the Anatolian Peak 2016, Erzurum, Türkiye, 25 - 27 Şubat 2016

CXIX. **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, Türkiye, 25 - 27 Şubat 2016

CXX. **Analysis of the Structural, Electronic and Optic Properties of Ni Doped MgSiP2 Semiconductor Chalcopyrite Compound**
Kocak B., ÇİFTCİ Y.
9th International Physics Conference of the Balkan-Physical-Union (BPU), İstanbul, Türkiye, 24 - 27 Ağustos 2015, cilt.1722

CXXI. **a-V3PC2 Bileşiğinin Mekanik, Elektronik, Titreşimsel ve Termodinamik Özelliklerinin Yoğunluk Fonksiyoneli Teorisiyle İncelenmesi**
ALTAY M., SÜRÜCÜ G., KEMAL Ç., ÇİFTCİ Y.
21. Yoğun Madde Fiziği-Ankara Toplantısı, Gazi Üniversitesi, Ankara, Türkiye, 25 Aralık 2015

CXXII. **Ta3B2 Bileşiğinin Yapısal, Elastik, Elektronik ve Titreşimsel Özelliklerinin İncelenmesi**

ALP İ., ÇİFTCİ Y.
21. Yoğun Madde Fiziği - Ankara Toplantısı (YMF-21), Ankara, Türkiye, 25 Aralık 2015

CXXIII. **Yarı-Heusler LiAlSi Bileşiğinin Yapısal, Elastik, Elektronik ve Dinamik Özelliklerinin İlk Prensiplerle İncelenmesi**
SÜRÜCÜ G., ÇİFTCİ Y., SÜRÜCÜ G.
21. Yoğun Madde Fiziği-Ankara Toplantısı, Gazi Üniversitesi, Ankara, Türkiye, 25 Aralık 2015

CXXIV. **Theoretical investigation of electronic structure bonding behavior and elastic moduli of ScRh and ScIr**
EVECEN M., ÇİFTCİ Y.
2 nd Internatioanl Nanoscience and Nanotechnology for Next Generation Conference, Antalya, Türkiye, 29 - 31 Ekim 2015, ss.144

CXXV. **B2 Fazdaki Şekil Hafızalı Alaşım TaRu'nun Basınca Bağlı Fiziksel Özelliklerinin incelenmesi**
ALP İ., ÇİFTCİ Y.
Adım Fizik Günleri IV, Kütahya, Türkiye, 28 Mayıs 2015

CXXVI. **LuMg Bileşiğinin Basınca Bağlı Temel Fiziksel Özelliklerinin Ab-initio Yöntemlerle İncelenmesi**
ÇİFTCİ Y., ALP İ.
Yoğun Madde Fiziği – İzmir Toplantısı 2015, İzmir, Türkiye, 17 Nisan 2015

CXXVII. **The first principles study on the TbP compound**
ÇİFTCİ Y., MOĞULKOÇ Y., EVECEN M.
New Developments Computational Intelligent and Computer Science, Vienna, Avusturya, 15 - 17 Mart 2015, ss.163-169

CXXVIII. **CeC2 Bileşiğinin Elektronik, Elastik ve Titreşimsel Özelliklerinin Basınç Altında İncelenmesi**
ÇİFTCİ Y., ALP İ.
20. Yoğun Madde Fiziği - Ankara Toplantısı, Ankara, Türkiye, 26 Aralık 2014

CXXIX. **V2PC Bileşiğinin Yapısal, Mekanik, Elektronik, Titreşimsel ve Termodinamik Özelliklerinin Ab-initio Yöntemle İncelenmesi**
ALTAY M., KEMAL Ç., ÇİFTCİ Y., SÜRÜCÜ G.
Yoğun Madde Fiziği-İzmir Toplantısı, İzmir Yüksek Teknoloji Enstitüsü, İzmir, Türkiye, 05 Nisan 2014

CXXX. **Structural, electronic and optical properties of hexagonal Si1-xGexC alloys**
SÜRÜCÜ G., ÇOLAKOĞLU K., DELİGÖZ E., ÇİFTCİ Y.
NanoTR-9, Erzurum, Türkiye, 24 - 28 Haziran 2013

CXXXI. **InS Bileşiğinin Ab-initio Yöntemler İle İncelenmesi**
ALP İ., ÇOLAKOĞLU K., ÇİFTCİ Y.
Yoğun Madde Fiziği – İzmir Toplantısı 2013, İzmir, Türkiye, 05 Nisan 2013

CXXXII. **K3As7 bileşiğinin yapısal ve elastik özellikleri**
ÖZIŞIK H., ÇOLAKOĞLU K., ÇİFTCİ Y., DELİGÖZ E., SÜRÜCÜ G., ALP İ.
18. Yoğun Madde Fiziği – Ankara Toplantısı, Ankara, Türkiye, 25 Kasım 2011

CXXXIII. **NdCo3 bileĢiğinin elektronik band yapısı: Ab initio incelemesi**
ÖZIŞIK H., ÇOLAKOĞLU K., ÇİFTCİ Y., DELİGÖZ E., ATEŞER E., ALP İ.
18. Yoğun Madde Fiziği - Ankara Toplantısı, Ankara, Türkiye, 25 Kasım 2011

CXXXIV. **Lattıce Dynamıcal and Thermodynamıcal Propertıes of Al2Mg and Al2Ca Compounds**
DELİGÖZ E., ÇOLAKOĞLU K., ÖZIŞIK H., SÜRÜCÜ G., ÇİFTCİ Y.
28.Tfd. International Physics Congress, Muğla, Türkiye, 6 - 09 Eylül 2011

CXXXV. **Na3As7 ve Na3As11 Bileşiklerinin Yapısal, Elektronik ve Elastik Özellikleri**
ÖZIŞIK H., ÇOLAKOĞLU K., ÇİFTCİ Y., DELİGÖZ E., SÜRÜCÜ G., ALP İ.
28.Tfd. International Physics Congress, Muğla, Türkiye, 6 - 09 Eylül 2011

CXXXVI. **LiAl Bileşiğinin Yapısal, Elektronik, Elastik ve Termoelastik Özelliklerinin İncelenmesi**
ALP İ., ÇOLAKOĞLU K., ÇİFTCİ Y., DELİGÖZ E.
16. Yoğun Madde Fiziği - Ankara Toplantısı, Ankara, Türkiye, 06 Kasım 2009

CXXXVII. **A First Principles Studies of OsN**
ALP İ., ÇOLAKOĞLU K., ÇİFTCİ Y., DELİGÖZ E.

Turkish Physical Society 26th International Physics Congress, Muğla, Türkiye, 24 Eylül 2009

CXXXVIII. **Ab-Inito Total Energy Calculations on the AgNd Compound**
SÜRÜCÜ G., ÇOLAKOĞLU K., DELİGÖZ E., ÇİFTCİ Y.
25. International Physics Congress, Muğla, Türkiye, 25 - 29 Ağustos 2008

CXXXIX. **The First-Principles Calculations on the NaP Compound**
ÖZIŞIK H., ÇOLAKOĞLU K., DELİGÖZ E., SÜRÜCÜ G., KÖRÖZLÜ N., ÇİFTCİ Y.
25. International Physics Congress, 25 - 29 Ağustos 2008

CXL. **YP bileşiğininYapısal, Elektronik, Elastik ve Titreşimsel Özellikleri Üzerinde ab inito Hesaplamaları**
SÜRÜCÜ G., KEMAL Ç., DELİGÖZ E., ÇİFTCİ Y., ÖZIŞIK H.
14. YoğunMaddeFiziği – Ankara Toplantısı, Hacettepe Üniversitesi, Ankara, Türkiye, 02 Kasım 2007

CXLI. **Kübik Ruthenium Nitride (RuN) bileşiğinin Yapısal, elektronik ve Elastik Özelliklerinin ab initio yöntemle İncelenmesi**
ÖZIŞIK H., KEMAL Ç., DELİGÖZ E., ÇİFTCİ Y., SÜRÜCÜ G.
14. YoğunMaddeFiziği – Ankara Toplantısı, Ankara, Türkiye, 02 Kasım 2007 - 02 Kasım 2017

CXLII. **Structural, elastic and electronic properties of AIN: A first principles study**
Ciftci Y., Colakoglu K., Deligoz E.
International Conference on Superlattices, Nano-Structures and Nano-Devices, İstanbul, Türkiye, 30 Temmuz - 04 Ağustos 2006, cilt.4, ss.234-236

CXLIII. **The first-principles calculations on the CuI compound**
Yuece G., Colakoglu K., Deligoez E., Ciftci Y.
6th International Conference of the Balkan-Physical-Union, İstanbul, Türkiye, 22 - 26 Ağustos 2006, cilt.899, ss.674

CXLIV. **First - Principles studies on structural and electronic properties of ThN**
Arslan S., Ciftci Y., Colakoglu K., Dellgoez E.
6th International Conference of the Balkan-Physical-Union, İstanbul, Türkiye, 22 - 26 Ağustos 2006, cilt.899, ss.578

CXLV. **The calculation of P-T diagrams of Al using molecular dynamic simulation**
Ciftci Y., Ugurluoglu N., Colakoglu K., Demircioglu Z.
6th International Conference of the Balkan-Physical-Union, İstanbul, Türkiye, 22 - 26 Ağustos 2006, cilt.899, ss.590

CXLVI. **Ab-initio total energy calculations on the AlBi compound**
Deligoz E., Colakoglu K., Ciftci Y.
6th International Conference of the Balkan-Physical-Union, İstanbul, Türkiye, 22 - 26 Ağustos 2006, cilt.899, ss.593

CXLVII. **High-speed characteristic features of an IR image converter with semiconductor photodetector,**
salamov b., KURT H. H., ÇİFTCİ Y., Çolakoğlu K.
Turkish Phys. Soc. 7th Physics Confer., Antalya, Türkiye, 10 - 13 Eylül 1997

Desteklenen Projeler

I. ÇİFTCİ Y., Yükseköğretim Kurumları Destekli Proje, TlX(X= Br, I, N, Pb, Se) bileşiklerinin yapısal, elastik, elektronik, termodinamik, titreşimsel ve optik özelliklerinin ab-initio yöntemlerle incelenmesi, 2012 - 2015

II. ÇİFTCİ Y., Yükseköğretim Kurumları Destekli Proje, REC2 (RE= La, Ce, Pr, Pa, U) nadir toprak karbür bileşiklerinin temel fiziksel özelliklerinin ab-initio yöntemlerle incelenmesi, 2012 - 2015

III. ÇİFTCİ Y., Yükseköğretim Kurumları Destekli Proje, Tb pniktidlerinin yapısal, mekaniksel, elektronik ve titreşimsel özelliklerinin ab-initio yöntemlerle incelenmesi, 2010 - 2012

IV. ÇİFTCİ Y., Yükseköğretim Kurumları Destekli Proje, Bazı AB ve AB2 tür bileşiklerin yapısal, elastik, elektronik ve titreşimsel özelliklerinin ab-initio yöntemlerle incelenmesi, 2010 - 2011

V. ÇİFTCİ Y., Yükseköğretim Kurumları Destekli Proje, DİKKAT! Bu projenin 13.300.-'lik kısmı 05/2009-55 kodlu proje ile birleşmiştir. PrX(X=N, P, As,Sb,Bi) BİLEŞİKLERİNİN ELASTİK , ELEKTRONİK, YAPISAL VE TİTREŞİMSEL ÖZELLİKLERİNİN AB-INITIO YÖNTEMLERLE İNCELENMESİ PrX(X=N, P, As,Sb,Bi) BİLEŞİKLERİNİN ELASTİK , ELEKTRONİK, YAPISAL VE TİTREŞİMSEL ÖZELLİKLERİNİN AB-INITIO YÖNTEMLERLE İNCELENMESİ, 2009 - 2010

VI. ÇİFTCİ Y., Yükseköğretim Kurumları Destekli Proje, Bazı Bileşiklerinin Elastik, Elektronik ve Yapısal Özelliklerinin

Ab-İnitio Yöntemlerle İncelenmesi, 2008 - 2009

VII. ÇİFTCİ Y., Yükseköğretim Kurumları Destekli Proje, TIX(X=N,As.Sb,P) ve TİX(X=N,C) Bilesiklerinin Elastik,Elekronik ve Yapısal Özelliklerinin AB-INITIO Yöntemlerle İncelenmesi, 2007 - 2008

Etkinlik Organizasyonlarındaki Görevler

I. Altındal Ş., Çiftci Y., Şahingöz R., Şafak Asar Y., Çetinkaya H. G., Altındal Yerişkin S., Özdemir E. G., Bucurgat M., Erbilen Tanrıkulu E., Ulusoy M., et al., 9th International Conference on Materials Science and Nanotechnology for Next Generation (MSNG-2022), Bilimsel Kongre / Sempozyum Organizasyonu, Ankara, Türkiye, Eylül 2022

Metrikler

Yayın: 305
Atıf (WoS): 1763
Atıf (Scopus): 1814
H-İndeks (WoS): 23
H-İndeks (Scopus): 23

Kongre ve Sempozyum Katılımı Faaliyetleri

I. 9th International Conference on Materials Science and Nanotechnology for Next Generation, Katılımcı, Ankara, Türkiye, 2022
II. 9th International Conference on Materials Science and Nanotechnology for Next Generation, Katılımcı, Ankara, Türkiye, 2022
III. 9th International Conference on Materials Science and Nanotechnology for Next Generation, Katılımcı, Ankara, Türkiye, 2022
IV. Nanotechnology Research and Applications, Katılımcı, Praha, Çek Cumhuriyeti, 2021
V. International Conference on Advanced Materials Science and Engineering and High Tech Device Applications (ICMATSE 20), Davetli Konuşmacı, Ankara, Türkiye, 2020

Antrenörlük Görevleri

Hakemlik Görevleri