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Education Information

I. Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Fizik (Dr), Turkey 1996 - 2000
II. Postgraduate, Gazi University, Fen Bilimleri Enstitüsü, Fizik (Yl) (Tezli), Turkey 1993 - 1996
III. Undergraduate, Gazi University, Fen-Edebiyat Fakültesi, Fizik Pr., Turkey 1989 - 1993

Foreign Languages

I. English, B2 Upper Intermediate

Research Areas

Physics, Natural Sciences, Engineering and Technology

Academic Titles / Tasks

I. Professor, Gazi University, Fen Fakültesi, Fizik, 2014 - Continues
II. Assistant Professor, Gazi University, Fen Fakültesi, Fizik, 2003 - 2008
III. Research Assistant, Gazi University, Fen Fakültesi, Fizik, 1994 - 2003

Advising Theses

I. ÇİFTCİ Y., The Investıgatıon Of Hydrogen Storage On Some Lıght Elements Decorated Two Dımensıonal Carbon Allotropes Usıng Ab-Inıtıo Methods, Doctorate, İ.ALP(Student), 2019
II. ÇİFTCİ Y., LuXO3 (X=Al, Ga, In) perovskit bileşiklerinin temel fiziksel özeliklerinin ab initio yöntemlerle incelenmesi, Postgraduate, G.SÜRÜCÜ(Student), 2018
III. ÇİFTCİ Y., Bazı AIIBIVC2V tipinde yarıiletken kalkopiritlerin temel fiziksel özelliklerinin ab-initio metot ile incelenmesi, Doctorate, B.KOÇAK(Student), 2016
IV. ÇİFTCİ Y., Bazı ikili ve/veya üçlü alaşımların temel fiziksel özelliklerinin yoğunluk fonksiyoneli teorisi ile incelenmesi, Doctorate, Y.MOĞULKOÇ(Student), 2013
V. ÇİFTCİ Y., THE INVESTIGATION SOME THE STRUCTURAL, ELECTRONIC AND ELASTIC PROPERTIES OF ThX (X =N, As, P, Sb) BY AB INITIO METHOD, Postgraduate, S.ARSLAN(Student), 2008
VI. ÇİFTCİ Y., STRUCTURAL PHASE TRANSITIONS AND ELASTIC STABILITY WITH EMBEDDED ATOM METHOD, Postgraduate, R.YİĞİTER(Student), 2007

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

Jury Memberships

I. Appointment to Academic Staff-Assistant Professorship, Appointment to Academic Staff-Assistant Professorship, University of Engineering and Technology, September, 2022

Published journal articles indexed by SCI, SSCI, and AHCI

I. **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, vol.99, no.6, 2024 (SCI-Expanded)

II. **Computational analysis of the physical properties of AlNi ıntermetallic compound: pressure effect**
KARS DURUKAN İ., Oztekin Ciftci Y.
Indian Journal of Physics, vol.98, no.3, pp.889-901, 2024 (SCI-Expanded)

III. **Emergent properties resulting from type-II band alignment in a new lateral (α-PbO/α-SnO) heterostructure**
Bakhtatou A., Hamidani A., Zanat K., ÇİFTCİ Y., Durukan İ., Ersan F.
Journal of Physics and Chemistry of Solids, vol.183, 2023 (SCI-Expanded)

IV. **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, vol.37, 2023 (SCI-Expanded)

V. **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, vol.6, no.11, 2023 (SCI-Expanded)

VI. **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, vol.34, 2023 (SCI-Expanded)

VII. **The mechanical, dynamical, thermodynamical properties and elastic anisotropies of cubic YbAu compound under pressure**
KARS DURUKAN İ., EVECEN M., ÇİFTCİ Y.
MATERIALS TODAY COMMUNICATIONS, vol.33, 2022 (SCI-Expanded)

VIII. **A first-principles prediction on the structural, electronic, elastic, phonon, and transport properties of BaSiN2**
ÇİFTCİ Y., ALP İ.
INDIAN JOURNAL OF PHYSICS, vol.96, no.14, pp.4131-4141, 2022 (SCI-Expanded)

IX. **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 I. K.
MATERIALS CHEMISTRY AND PHYSICS, vol.291, 2022 (SCI-Expanded)

X. **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, vol.285, 2022 (SCI-Expanded)

XI. **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, vol.560, pp.169620-169631, 2022 (SCI-Expanded)

XII. **First-principles study on B2 based XAl(X = Rh, Ru)compounds**
KARS DURUKAN İ., ÇİFTCİ Y.
PHYSICA SCRIPTA, vol.96, no.12, 2021 (SCI-Expanded)

XIII. **First-principles calculations of vibrational and optical properties of half-Heusler NaScSi**
Kars Durukan İ., Oztekin Ciftci Y.
INDIAN JOURNAL OF PHYSICS, vol.95, no.11, pp.2303-2312, 2021 (SCI-Expanded)

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

XV. **Band Alignment in Monolayer Boron Phosphide with Janus MoSSe Heterobilayers under Stran and Electric Field**
Mogulkoc Y., Caglayan R., Çiftci Y.
PHYSICAL REVIEW APPLIED, vol.16, no.2, 2021 (SCI-Expanded)

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

XVII. **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, vol.860, 2021 (SCI-Expanded)

XVIII. **Pressure effects on electronic, elastic, and vibration properties of metallic antiperovskite PbNCa3 by ab initio calculations**
Ciftci Y., Evecen M., Alp İ.
Journal of Molecular Modeling, vol.27, no.1, 2021 (SCI-Expanded)

XIX. **Theoretical investigation of the electronic structure, elastic, dynamic properties of intermetallic compound NiBe under pressure**
Evecen M., ÇİFTCİ Y.
EUROPEAN PHYSICAL JOURNAL B, vol.94, no.1, 2021 (SCI-Expanded)

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

XXI. **A Theoretical Study of Pressure-Induced Effects on Phase Transition and Elastic Properties of AsTh Compound**
ÇİFTCİ Y., ATEŞER E.
JOURNAL OF ELECTRONIC MATERIALS, vol.49, no.3, pp.2086-2094, 2020 (SCI-Expanded)

XXII. **Anisotropic Elastic, Electronic and Vibrational Properties of the Semiconductor AgScX (X = Ge, C) Compounds**
Kars Durukan İ., Çiftci Y.
JOURNAL OF ELECTRONIC MATERIALS, vol.49, no.3, pp.1849-1856, 2020 (SCI-Expanded)

XXIII. **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, vol.11, no.3, pp.618-623, 2020 (SCI-Expanded)

XXIV. **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, vol.8, no.4, pp.1875-1886, 2020 (SCI-Expanded)

XXV. **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, vol.28, no.10, 2019 (SCI-Expanded)

XXVI. **The Effect of Pressure on Elastic Anisotropy, Vibration and Optical Properties of a AgScSi Compound**
Durukan İ., Ciftci Y.
JOURNAL OF ELECTRONIC MATERIALS, vol.48, no.6, pp.4050-4056, 2019 (SCI-Expanded)

XXVII. **First principle study of structural, electronic, mechanical, dynamic and optical properties of half-Heusler compound LiScSi under pressure**
ÇİFTCİ Y., EVECEN M.
PHASE TRANSITIONS, vol.91, no.12, pp.1206-1222, 2018 (SCI-Expanded)

XXVIII. **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, vol.108, pp.255-265, 2018 (SCI-Expanded)

XXIX. **First-principles hydrogen adsorption properties of Li-decorated ThMoB4-type graphene**
Alp İ., AYDIN S., ÇİFTCİ Y.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.43, no.33, pp.16117-16127, 2018 (SCI-Expanded)

XXX. **DFT-based ab-initio study of half-Heusler KCaP compound**
Mogulkoc Y., Ciftci Y., Surucu G.
JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, vol.20, no.1-2, pp.61-68, 2018 (SCI-Expanded)

XXXI. **Physical Properties of Superhard Diamond-Like BC5 from a First-Principles Study**
Alp İ., ÇİFTCİ Y.
JOURNAL OF ELECTRONIC MATERIALS, vol.47, no.1, pp.272-284, 2018 (SCI-Expanded)

XXXII. **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, vol.111, pp.458-463, 2017 (SCI-Expanded)

XXXIII. **A density functional study of chalcopyrite MgGeSb2**
Kocak B., ÇİFTCİ Y.
INDIAN JOURNAL OF PHYSICS, vol.91, no.12, pp.1487-1492, 2017 (SCI-Expanded)

XXXIV. **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, vol.95, no.8, pp.691-698, 2017 (SCI-Expanded)

XXXV. **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, vol.705, pp.211-217, 2017 (SCI-Expanded)

XXXVI. **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, vol.12, no.2, pp.100-108, 2017 (SCI-Expanded)

XXXVII. **Structural and Thermoelectronic Properties of Chalcopyrite MgSiX2 (X = P, As, Sb)**
Kocak B., Ciftci Y., Surucu G.
JOURNAL OF ELECTRONIC MATERIALS, vol.46, no.1, pp.247-264, 2017 (SCI-Expanded)

XXXVIII. **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, vol.123, no.1, 2017 (SCI-Expanded)

XXXIX. **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, vol.90, no.11, pp.1233-1241, 2016 (SCI-Expanded)

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

XLI. **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, vol.11, no.4, pp.506-513, 2016 (SCI-Expanded)

XLII. **Unraveling Thermal and Dynamical Properties of the Cubic BaVO3 Perovskite from First-Principles Calculation**
Mebrouki M., Ouahrani T., Ciftci Y.
INTERNATIONAL JOURNAL OF THERMOPHYSICS, vol.37, no.7, 2016 (SCI-Expanded)

XLIII. **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, vol.90, no.7, pp.767-779, 2016 (SCI-Expanded)

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

XLV. **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, vol.31, no.10, pp.1518-1531, 2016 (SCI-Expanded)

XLVI. **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, vol.119, no.14, 2016 (SCI-Expanded)

XLVII. **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, vol.53, pp.44-55, 2016 (SCI-Expanded)

XLVIII. **Electronic structure and elastic properties of AgZn under pressure from first-principles calculations**
ÇİFTCİ Y.
CANADIAN JOURNAL OF PHYSICS, vol.94, no.3, pp.328-333, 2016 (SCI-Expanded)

XLIX. **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, vol.71, no.2, pp.135-143, 2016 (SCI-Expanded)

L. **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, vol.45, no.6, pp.604-614, 2015 (SCI-Expanded)

LI. **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, vol.90, no.9, 2015 (SCI-Expanded)

LII. **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, vol.90, no.2, 2015 (SCI-Expanded)

LIII. **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, vol.457, pp.22-29, 2015 (SCI-Expanded)

LIV. **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, vol.610, pp.372-381, 2014 (SCI-Expanded)

LV. **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, vol.30, no.7, pp.842-849, 2014 (SCI-Expanded)

LVI. **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, vol.27, no.1, pp.627-636, 2014 (SCI-Expanded)

LVII. **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, vol.71, pp.46-61, 2014 (SCI-Expanded)

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

LIX. **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, vol.29, no.8, pp.925-930, 2013 (SCI-Expanded)

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

LXI. **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, vol.104, no.1, pp.99-108, 2013 (SCI-Expanded)

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

LXIII. **Lattice dynamical and thermodynamical properties of ReB2, RuB2, and OsB2 compounds in the ReB2 structure**
Deligoz E., Colakoglu K., Ciftci Y.
CHINESE PHYSICS B, vol.21, no.10, 2012 (SCI-Expanded)

LXIV. **Lattice dynamical properties of TcB2 compound**
Deligoz E., Colakoglu K., Ozisik H. B., Ciftci Y.
SOLID STATE SCIENCES, vol.14, no.7, pp.794-800, 2012 (SCI-Expanded)

LXV. **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, vol.529, pp.1-7, 2012 (SCI-Expanded)

LXVI. **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, vol.73, no.7, pp.917-924, 2012 (SCI-Expanded)

LXVII. **Superhard transition metal tetranitrides: XN4 (X=Re, Os, W)**

AYDIN S., ÇİFTCİ Y., Tatar A.
JOURNAL OF MATERIALS RESEARCH, vol.27, no.13, pp.1705-1715, 2012 (SCI-Expanded)

LXVIII. **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, vol.14, no.3, pp.401-408, 2012 (SCI-Expanded)

LXIX. **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, vol.28, no.2, pp.155-163, 2012 (SCI-Expanded)

LXX. **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, vol.407, no.3, pp.316-323, 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, vol.10, no.1, pp.197-205, 2012 (SCI-Expanded)

LXXII. **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, vol.152, no.2, pp.76-80, 2012 (SCI-Expanded)

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

LXXIV. **Vibrational properties of Re2N and Re3N compounds**
Deligoz E., Colakoglu K., Ozisik H. B., Ciftci Y.
SOLID STATE COMMUNICATIONS, vol.151, no.17, pp.1122-1127, 2011 (SCI-Expanded)

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

LXXVI. **The first principles study on the TmSb compound**
Coban C., Colakoglu K., Ciftci Y.
SOLID STATE SCIENCES, vol.13, no.6, pp.1291-1298, 2011 (SCI-Expanded)

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

LXXVIII. **Ab initio study of structural, elastic and vibrational properties of praseodymium chalcogenides**
Kocak B., Ciftci Y., Colakoglu K., Deligoz E.
COMPUTATIONAL MATERIALS SCIENCE, vol.50, no.7, pp.1958-1964, 2011 (SCI-Expanded)

LXXIX. **The structural, electronic and optical properties of CdxZn1-xSe ternary alloys**
Korozlu N., Colakoglu K., Deligoz E., Ciftci Y.
OPTICS COMMUNICATIONS, vol.284, no.7, pp.1863-1867, 2011 (SCI-Expanded)

LXXX. **The structural, elastic and vibrational properties of the DyX (X = P, As) compounds**
Ozisik H., Ciftci Y., Colakoglu K., Deligoz E.
PHYSICA SCRIPTA, vol.83, no.3, 2011 (SCI-Expanded)

LXXXI. **Ab initio study of PrAg intermetallic compound**
Kocak B., Ciftci Y., Colakoglu K., Deligoz E.
PHYSICA B-CONDENSED MATTER, vol.406, no.3, pp.388-392, 2011 (SCI-Expanded)

LXXXII. **First principles predictions on mechanical and physical properties of HoX (X = As, P)**
Coban C., Colakoglu K., Ciftci Y.
MATERIALS CHEMISTRY AND PHYSICS, vol.125, no.3, pp.887-894, 2011 (SCI-Expanded)

LXXXIII. **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, vol.509, no.5, pp.1711-1715, 2011 (SCI-Expanded)

LXXXIV. **Structural, elastic, and lattice dynamical properties of YB2 compound**
Ozisik H., Deligoz E., Colakoglu K., Ciftci Y.
COMPUTATIONAL MATERIALS SCIENCE, vol.50, no.3, pp.1057-1063, 2011 (SCI-Expanded)

LXXXV. **Structural, elastic, electronic, and thermodynamic properties of PrN from first principles calculations**
Kocak B., Ciftci Y., Colakoglu K., Deligoz E.
PHYSICA B-CONDENSED MATTER, vol.405, no.19, pp.4139-4144, 2010 (SCI-Expanded)

LXXXVI. **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, vol.247, no.9, pp.2155-2160, 2010 (SCI-Expanded)

LXXXVII. **The structural, electronic, elastic, vibrational, and thermodynamic properties of HoX (X=Sb, Bi)**
ÇOBAN C., Colakoglu K., ÇİFTCİ Y.
PHYSICA B-CONDENSED MATTER, vol.405, no.18, pp.3977-3985, 2010 (SCI-Expanded)

LXXXVIII. **The electronic and optical properties of Zn1-xCaxSe mixed alloys**
Surucu G., Colakoglu K., Deligoz E., Korozlu N., Ciftci Y.
SOLID STATE COMMUNICATIONS, vol.150, no.29-30, pp.1413-1418, 2010 (SCI-Expanded)

LXXXIX. **Elastic, electronic, and vibrational properties of RhN compound**
Deligoz E., Colakoglu K., Ciftci Y.
JOURNAL OF MATERIALS SCIENCE, vol.45, no.14, pp.3720-3726, 2010 (SCI-Expanded)

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

XCI. **Lattice dynamical and thermodynamical properties of HfB2 and TaB2 compounds**
Deligoz E., Colakoglu K., Ciftci Y.
COMPUTATIONAL MATERIALS SCIENCE, vol.47, no.4, pp.875-880, 2010 (SCI-Expanded)

XCII. **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, vol.47, no.3, pp.758-768, 2010 (SCI-Expanded)

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

XCIV. **The structural, thermodynamical and elastic properties of TiO**
ÇİFTCİ Y., Unlu Y., Colakoglu K., DELİGÖZ E.
PHYSICA SCRIPTA, vol.80, no.2, 2009 (SCI-Expanded)

XCV. **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, vol.70, no.2, pp.371-378, 2009 (SCI-Expanded)

XCVI. **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, vol.29, no.2, pp.187-203, 2009 (SCI-Expanded)

XCVII. **A first-principles studies on TlX (X=P, As)**
ÇİFTCİ Y., Colakoglu K., DELİGÖZ E.
CENTRAL EUROPEAN JOURNAL OF PHYSICS, vol.6, no.4, pp.802-807, 2008 (SCI-Expanded)

XCVIII. **The first principles study on PtC compound**
Deligoz E., Ciftci Y., Jochym P. T., Colakoglu K.
MATERIALS CHEMISTRY AND PHYSICS, vol.111, no.1, pp.29-33, 2008 (SCI-Expanded)

XCIX. **The structural, thermodynamical, elastic, and vibrational properties of LaBi**
Ciftci Y., Colakoglu K., Deligoz E.
JOURNAL OF PHYSICS-CONDENSED MATTER, vol.20, no.34, 2008 (SCI-Expanded)

C. **Ab initio study on hypothetical silver nitride**
Deligoz Engin D. E., Colakoglu Kemal C. K., Ciftci Yasemin Oztekin C. Y. O.
CHINESE PHYSICS LETTERS, vol.25, no.6, pp.2154-2157, 2008 (SCI-Expanded)

CI. **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, vol.69, no.4, pp.859-864, 2008 (SCI-Expanded)

CII. **The first-principles study on the LaN**
Ciftci Y., Colakoglu K., Deligoz E., Ozisik H.
MATERIALS CHEMISTRY AND PHYSICS, vol.108, no.1, pp.120-123, 2008 (SCI-Expanded)

CIII. **A first principles study of cubic IrO2 polymorph**
Deligoz E., Colakoglu K., Ciftci Y.
EUROPEAN PHYSICAL JOURNAL B, vol.60, no.4, pp.477-481, 2007 (SCI-Expanded)

CIV. **Lattice dynamical calculations for the Ta-W alloys**
Deligoz E., Colakoglu K., Ciftci Y.
MATERIALS LETTERS, vol.61, no.27, pp.4867-4871, 2007 (SCI-Expanded)

CV. **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, vol.19, no.43, 2007 (SCI-Expanded)

CVI. **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, vol.19, no.32, 2007 (SCI-Expanded)

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

CVIII. **A molecular dynamics study on iridium**
Ferah G., Colakoglu K., Ciftci Y., Ozgen S., Kazanc S.
CENTRAL EUROPEAN JOURNAL OF PHYSICS, vol.5, no.2, pp.207-220, 2007 (SCI-Expanded)

CIX. **The first principles study on boron bismuth compound**
Deligoz E., Colakoglu K., Oztekin Ciftci Y., Ozisik H.
COMPUTATIONAL MATERIALS SCIENCE, vol.39, no.3, pp.533-540, 2007 (SCI-Expanded)

CX. **The first principles study on the Boron antimony compound**
Deligoz E., Colakoglu K., Ciftci Y.
JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS, vol.68, no.4, pp.482-489, 2007 (SCI-Expanded)

CXI. **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, vol.4, no.4, pp.472-480, 2006 (SCI-Expanded)

CXII. **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, vol.381, pp.96-102, 2006 (SCI-Expanded)

CXIII. **Elastic, electronic, and lattice dynamical properties of CdS, CdSe, and CdTe**
Deligoz E., Colakoglu K., Ciftci Y.
PHYSICA B-CONDENSED MATTER, vol.373, no.1, pp.124-130, 2006 (SCI-Expanded)

CXIV. **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, vol.30, pp.74-80, 2005 (SCI-Expanded)

CXV. **Lattice dynamical calculations for the bcc cerium**
Deligoz E., Ciftci Y., Colakoglu K.
MATERIALS LETTERS, vol.59, no.17, pp.2166-2169, 2005 (SCI-Expanded)

CXVI. **A large emitting area UV light source with semiconductor cathode**
Salamov B., Ciftci Y., Colakoglu K.
IEEE TRANSACTIONS ON PLASMA SCIENCE, vol.32, no.5, pp.2093-2098, 2004 (SCI-Expanded)

CXVII. **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, vol.507, pp.23-28, 2002 (SCI-Expanded)

CXVIII. **Temperature dependent thermoelastic properties of some fcc crystals**
Ciftci Y., Colakoglu K.
SOLID STATE SCIENCES, vol.4, no.2, pp.255-259, 2002 (SCI-Expanded)

CXIX. **Embedded atom method for theoretical strength and stability of some fcc metals**
Ciftci Y., Colakoglu K.
ACTA PHYSICA POLONICA A, vol.100, no.4, pp.539-552, 2001 (SCI-Expanded)

Articles Published in Other Journals

I. **First-principles Calculations of TlCdF3 Compound under Pressure**
kocak b., Çiftci Y.
Sakarya Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.28, no.3, pp.558-566, 2024 (Peer-Reviewed Journal)

II. **ANALYSIS OF TiFe INTERMETALLIC COMPOUND BY DFT**
Taş E., kars durukan i., Çiftci Y.
Journal of scientific reports-A (Online), no.053, pp.118-130, 2023 (Peer-Reviewed Journal)

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, vol.27, no.1, pp.94-112, 2023 (Peer-Reviewed Journal)

IV. **DFT Analysis of Mechanical and Dynamic Properties of CuBe**
KARS DURUKAN İ., Oztekin Ciftci Y.
Gazi University Journal of Science, vol.35, no.4, pp.1652-1663, 2022 (Scopus)

V. **scholarena.com alanından [PDF] Exploring of Elastic, Vibrational and Thermoelectric Properties of NaScGe Compound: Ab-initio Study**
Çiftci Y.
J Nanosci Nanotechnol Appl, vol.5, no.101, pp.1-10, 2021 (Peer-Reviewed Journal)

VI. **Exploring of Elastic, Vibrational and Thermoelectric Properties of NaScGe Compound: Ab-initio Study**
ÇİFTCİ Y.
J Nanosci Nanotechnol Appl, vol.5, no.101, pp.2, 2021 (Peer-Reviewed Journal)

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, vol.4, no.2, pp.70-75, 2018 (Peer-Reviewed Journal)

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, vol.14, pp.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, vol.38, no.4, pp.611-618, 2017 (Peer-Reviewed Journal)

X. **An Ab-initio study on UAl for nuclear applications**
Özcan A., Çiftci Y., Alp İ.
EPJ WEB OF CONFERENCES, vol.154, pp.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, vol.38, no.2, pp.312, 2017 (Peer-Reviewed Journal)

XII. **Yarı-Heusler LiScPb Yarıiletkeni Üzerine Bir İlk İlkesel Araştırma**
MOĞULKOÇ Y., ÇİFTCİ Y.
SAÜ Fen Bilimleri Enstitüsü Dergisi, vol.21, no.6, pp.1278, 2017 (Peer-Reviewed Journal)

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, vol.27, no.1, pp.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), vol.34, no.3, pp.12, 2013 (Peer-Reviewed Journal)

XV. **Ab-initio Total Energy Calculations on the AgNd Compound**
Sürücü G., Çolakoğlu K., Deligöz E., Çiftci Y.
BALKAN PHYSICS LETTERS, vol.15, pp.151018, 2009 (Peer-Reviewed Journal)

XVI. **The lattice dynamics and some elastic properties of c-fcc and bcc lanthanum**
Çakmak M., Öztekin Y., Çolakoğlu K.
Proc. Suppl. BPL,, vol.5, pp.466-469, 1997 (Peer-Reviewed Journal)

Books & Book Chapters

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

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

Refereed Congress / Symposium Publications in Proceedings

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, Turkey, 21 - 22 December 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, Turkey, 21 - 22 December 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, Turkey, 21 - 22 December 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, Turkey, 21 - 22 December 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, Turkey, 07 August 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, Turkey, 7 - 08 August 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, Turkey, 7 - 08 August 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, Turkey, 7 - 08 August 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, Turkey, 7 - 08 August 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, Turkey, 20 December 2022

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

XII. **Thermodynamic Properties of Half –Heusler Semiconductor RhTiSb Compound**
KARS DURUKAN İ., ÇİFTCİ Y.
ICMATSE, Turkey, 27 - 29 October 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, Turkey, 27 - 29 October 2022, pp.74

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

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

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ÇİFTCİ Y., KARS DURUKAN İ.
ECRES 2022, İstanbul, Turkey, 07 May 2022

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ECRES 2022, İstanbul, Turkey, 07 May 2022

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ECRES 2022, İstanbul, Turkey, 07 May 2022

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KARS DURUKAN İ., ÇİFTCİ Y.
ECRES 2022, İstanbul, Turkey, 07 May 2022

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DAĞ T. S., GENCER A., ÖZEL F., SÜRÜCÜ G., ÇİFTCİ Y.
10. EUROPEAN CONFERENCE ON RENEWABLE ENERGY SYSTEMS, 7 - 09 May 2022, pp.18

XXI. **ANALYSIS OF CoTiSb COMPOUND BY FIRST PRINCIPLES METHOD**
KARS DURUKAN İ., ÇİFTCİ Y.
3. ULUSLARARASI MÜHENDİSLİK BİLİMLERİ VE MULTİDİSİPLİNER YAKLAŞIMLAR KONGRESİ, Ankara, Turkey, 10 February 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, Turkey, 10 February 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, Turkey, 27 November 2021, pp.173

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KARS DURUKAN İ., ÇİFTCİ Y.
ICMECE, Turkey, 27 - 28 November 2021

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KARS DURUKAN İ., ÇİFTCİ Y.
ICMECE, Turkey, 27 - 28 November 2021

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Çiftci Y.
9th Eur. Conf. Ren. Energy Sys(ECRES 2021), Ankara, Turkey, 21 April - 23 October 2022, pp.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, Turkey, 21 - 23 April 2021

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Kars Durukan İ., Çiftci Y.
EcRES-2021, İstanbul, Turkey, 21 - 23 April 2021, pp.559-561

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ECRES-2021, İstanbul, Turkey, 21 - 23 April 2021, pp.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, Turkey, 21 - 23 April 2021, pp.549-552

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Kars Durukan İ., Çiftci Y.
ECRES-2021, İstanbul, Turkey, 21 - 23 April 2021, pp.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 October 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, Turkey, 02 October 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 October 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, Turkey, 24 - 25 August 2020, pp.39

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8.EUROPEAN CONFERENCE ON RENEWABLE ENERGY SYSTEMS, İstanbul, Turkey, 24 August 2020, pp.730-734

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8.EUROPEAN CONFERENCE ON RENEWABLE ENERGY SYSTEMS, İstanbul, Turkey, 24 August 2020, pp.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 October 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 October 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 October 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 June 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 June 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, Turkey, 20 - 23 April 2019, pp.170-174

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FIRST-PRINCIPLES STUDY
ÇİFTCİ Y., Durukan İ. K.
1. ULUSLARARASI23 NİSAN MULTİDİSİPLİNER ÇALIŞMALAR KONGRESİ, Ankara, Turkey, 20 - 23 April 2019, pp.163-169

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3rd International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology, TESNAT 2017, Adana, Turkey, 10 - 12 May 2017, vol.154

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European Advanced Materials Congress 2016, Stockholm, Sweden, 23 - 25 August 2016

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European Advanced Materials Congress 2016, Stockholm, Sweden, 23 - 25 August 2016

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12th Nanoscience and Nanotechnology Conference, Kocaeli, Turkey, 3 - 05 June 2016

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12th Nanoscience and Nanotechnology Conference, Kocaeli, Turkey, 3 - 05 June 2016

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2 nd International Conference on Organic Electronic Material Technologies (OEMT2016), Çanakkale, Turkey, 17 - 19 May 2016

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2 nd International Conference on Organic Electronic Material Technologies (OEMT2016), 17 - 19 May 2016

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ÇİFTCİ Y., EVECEN M.
2 nd International Conference on Organic Electronic Material Technologies (OEMT2016), 17 - 19 May 2016

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2 nd International Conference on Organic Electronic Material Technologies (OEMT2016), Çanakkale, Turkey, 17 - 19 May 2016

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International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology, 28 - 30 April 2016

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Alp İ., Çiftci Y.
1st International Physics Conference at the Anatolian Peak 2016, Erzurum, Turkey, 25 - 27 February 2016

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1st International Physics Conference at the Anatolian Peak 2016, Erzurum, Turkey, 25 - 27 February 2016

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9th International Physics Conference of the Balkan-Physical-Union (BPU), İstanbul, Turkey, 24 - 27 August 2015, vol.1722

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21. Yoğun Madde Fiziği - Ankara Toplantısı (YMF-21), Ankara, Turkey, 25 December 2015

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21. Yoğun Madde Fiziği-Ankara Toplantısı, Gazi Üniversitesi, Ankara, Turkey, 25 December 2015

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2 nd Internatioanl Nanoscience and Nanotechnology for Next Generation Conference, Antalya, Turkey, 29 - 31 October 2015, pp.144

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Adım Fizik Günleri IV, Kütahya, Turkey, 28 May 2015

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ÇİFTCİ Y., ALP İ.
Yoğun Madde Fiziği – İzmir Toplantısı 2015, İzmir, Turkey, 17 April 2015

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

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ÇİFTCİ Y., ALP İ.
20. Yoğun Madde Fiziği - Ankara Toplantısı, Ankara, Turkey, 26 December 2014

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ALTAY M., KEMAL Ç., ÇİFTCİ Y., SÜRÜCÜ G.
Yoğun Madde Fiziği-İzmir Toplantısı, İzmir Yüksek Teknoloji Enstitüsü, İzmir, Turkey, 05 April 2014

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

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

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18. Yoğun Madde Fiziği – Ankara Toplantısı, Ankara, Turkey, 25 November 2011

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18. Yoğun Madde Fiziği - Ankara Toplantısı, Ankara, Turkey, 25 November 2011

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28.Tfd. International Physics Congress, Muğla, Turkey, 6 - 09 September 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, Turkey, 6 - 09 September 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, Turkey, 06 November 2009

CXXXVII. **A First Principles Studies of OsN**
ALP İ., ÇOLAKOĞLU K., ÇİFTCİ Y., DELİGÖZ E.
Turkish Physical Society 26th International Physics Congress, Muğla, Turkey, 24 September 2009

CXXXVIII. **Ab-Inito Total Energy Calculations on the AgNd Compound**
SÜRÜCÜ G., ÇOLAKOĞLU K., DELİGÖZ E., ÇİFTCİ Y.
25. International Physics Congress, Muğla, Turkey, 25 - 29 August 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 August 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, Turkey, 02 November 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, Turkey, 02 November 2007 - 02 November 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, Turkey, 30 July - 04 August 2006, vol.4, pp.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, Turkey, 22 - 26 August 2006, vol.899, pp.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, Turkey, 22 - 26 August 2006, vol.899, pp.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, Turkey, 22 - 26 August 2006, vol.899, pp.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, Turkey, 22 - 26 August 2006, vol.899, pp.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, Turkey, 10 - 13 September 1997

Supported Projects

I. ÇİFTCİ Y., Project Supported by Higher Education Institutions, 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., Project Supported by Higher Education Institutions, REC2 (RE= La, Ce, Pr, Pa, U) nadir toprak karbür bileşiklerinin temel fiziksel özelliklerinin ab-initio yöntemlerle incelenmesi, 2012 - 2015

III. ÇİFTCİ Y., Project Supported by Higher Education Institutions, Tb pniktidlerinin yapısal, mekaniksel, elektronik ve titreşimsel özelliklerinin ab-initio yöntemlerle incelenmesi, 2010 - 2012

IV. ÇİFTCİ Y., Project Supported by Higher Education Institutions, Bazı AB ve AB2 tür bileşiklerin yapısal, elastik, elektronik ve titreşimsel özelliklerinin ab-initio yöntemlerle incelenmesi, 2010 - 2011

V. ÇİFTCİ Y., Project Supported by Higher Education Institutions, 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., Project Supported by Higher Education Institutions, Bazı Bileşiklerinin Elastik, Elektronik ve Yapısal Özelliklerinin Ab-İnitio Yöntemlerle İncelenmesi, 2008 - 2009

VII. ÇİFTCİ Y., Project Supported by Higher Education Institutions, TIX(X=N,As.Sb,P) ve TİX(X=N,C) Bilesiklerinin Elastik,Elekronik ve Yapısal Özelliklerinin AB-INITIO Yöntemlerle İncelenmesi, 2007 - 2008

Tasks In Event Organizations

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), Scientific Congress, Ankara, Turkey, Eylül 2022

Metrics

Publication: 300
Citation (WoS): 1752
Citation (Scopus): 1807
H-Index (WoS): 22
H-Index (Scopus): 23

Congress and Symposium Activities

I. 9th International Conference on Materials Science and Nanotechnology for Next Generation, Attendee, Ankara, Turkey, 2022
II. 9th International Conference on Materials Science and Nanotechnology for Next Generation, Attendee, Ankara, Turkey, 2022
III. 9th International Conference on Materials Science and Nanotechnology for Next Generation, Attendee, Ankara, Turkey, 2022
IV. Nanotechnology Research and Applications, Attendee, Praha, Czech Republic, 2021
V. International Conference on Advanced Materials Science and Engineering and High Tech Device Applications (ICMATSE 20), Invited Speaker, Ankara, Turkey, 2020

Coaching Duties

Refereeing Duties