

Personal Information

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Education Information

Doctorate, Sakarya University, Institute Of Science, Fizik, Turkey 2015 - Continues

Post Graduate, Kocaeli University, Fen Bilimleri Enstitüsü, Bilişim Sistemleri Mühendisliği, Turkey 2015 - 2019

Post Graduate, Sakarya University, Institute Of Science, Fizik, Turkey 2012 - 2014

Under Graduate, Kirşehir Ahi Evran University, Faculty Of Arts And Sciences, Turkey 2008 - 2012

Dissertations

Post Graduate, KMgF₃ kristalinin yapısal, elastik, elektronik ve titreşim özelliklerinin incelenmesi, Sakarya University, Institute Of Science, Fizik, 2014

Research Areas

Theory of Atoms and Molecules, Atomic and Molecular Interactions, Biophysics and Medical Physics, Materials Science, Condensed Matter 1: Structural, Mechanical and Thermal Properties, Mechanical and Acoustic Properties of Condensed Matter, Surfaces, Interfaces, Thin Films and Nanosystems, Intensive Article 2: Electronic Structure, Electric, Magnetic and Optical Properties, Electronic structure of bulk material, Electrical properties of electronic structures, interfaces, thin films and low-dimensional structures

Academic Titles / Tasks

Research Assistant, Kocaeli University, Teknoloji Fakültesi, Bilişim Sistemleri Mühendisliği, 2017 - Continues

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- **Computational aspects of nanostructures: PW vs AO calculations**
SALMANKURT B., GÜREL H. H.
FRONTIERS OF FUNDAMENTAL AND COMPUTATIONAL PHYSICS, 2019 (Journal Indexed in SCI)
- **Binding mechanisms of DNA/RNA nucleobases adsorbed on graphene under charging: first-principles van der Waals study**
GÜREL H. H. , Salmankurt B.
MATERIALS RESEARCH EXPRESS, vol.4, 2017 (Journal Indexed in SCI)
- **First-principles study of structural, mechanical, lattice dynamical and thermal properties of nodal-line semimetals ZrXY (X=Si, Ge; Y=S, Se)**
Salmankurt B., Duman S.
PHILOSOPHICAL MAGAZINE, vol.97, pp.175-186, 2017 (Journal Indexed in SCI)
- **Investigation of the structural, mechanical, dynamical and thermal properties of CsCaF₃ and CsCdF₃**
Salmankurt B., Duman S.
MATERIALS RESEARCH EXPRESS, vol.3, 2016 (Journal Indexed in SCI)
- **Investigation of structural, mechanical, electronic, optical, and dynamical properties of cubic BaLiF₃, BaLiH₃, and SrLiH₃**

Yalcin B. G. , Salmankurt B., Duman S.

MATERIALS RESEARCH EXPRESS, vol.3, 2016 (Journal Indexed in SCI)

- **Structural, electronic, optical, vibrational and transport properties of CuBX₂ (X = S, Se, Te) chalcopyrites**
Bagci S., Yalcin B. G. , Aliabad H. A. R. , Duman S., Salmankurt B.
RSC ADVANCES, vol.6, pp.59527-59540, 2016 (Journal Indexed in SCI)

Refereed Congress / Symposium Publications in Proceedings

- **Past and Present of High Performance Computing**
GÜREL H. H. , SALMANKURT B.
Uluslararası Marmara Fen ve Sosyal Bilimler Kongresi, 1 - 03 Kasım 2019
- **Theoretical investigation of interaction Valine molecule with Black Phosphorene**
SALMANKURT B., GÜREL H. H.
Uluslararası Marmara Fen ve Sosyal Bilimler Kongresi, 1 - 03 Kasım 2019
- **Ba₂BiAu termoelektrik malzemesinin yapısal, elastik ve titreşimsel özelliklerinin kuramsal olarak incelenmesi**
SALMANKURT B., GÜREL H. H.
IMASCON2019, 26 - 28 Nisan 2019
- **İki boyutlu nano yapılar ve bunların moleküllerle etkileşimini değiştirme yolları**
SALMANKURT B., GÜREL H. H.
IMASCON2019, 26 - 28 Nisan 2019
- **Computational Aspects of Nanostructures: PW vs AO calculations**
Salmankurt B., GÜREL H. H.
10th Jubilee Conference of the Balkan-Physical-Union (BPU), Sofija, Bulgaria, 26 - 30 Ağustos 2018, vol.2075
- **Physical Properties of BaAgBi: a theoretical study**
SALMANKURT B., GÜREL H. H.
TFD34, 5 - 09 Eylül 2018
- **Theoretical Investigation of Biosensing Properties of A New Two Dimensional Material**
SALMANKURT B., GÜREL H. H.
TFD34, 5 - 09 Eylül 2018
- **Effects of Electric Field on the Properties of 2D Topological Insulators**
Salmankurt B., GÜREL H. H.
33rd International Physics Congress of the Turkish-Physical-Society (TPS), Bodrum, Turkey, 6 - 10 Eylül 2017, vol.1935
- **Binding Mechanism of Guanine on Blue Phosphorene**
SALMANKURT B., GÜREL H. H.
13th Nanoscience Nanotechnology Conference, 22 - 25 Ekim 2017
- **Binding Mechanism of Guanine on Blue Phosphorene**
SALMANKURT B., GÜREL H. H.
13th Nanoscience and Nanotechnology Conference, 22 - 25 Ekim 2017
- **Graphene-Based Electrochemical Biosensors for Detection of Amino Acids**
SALMANKURT B., GÜREL H. H.
Turkish Physical Society 33th International Physics Congress., 6 - 10 Eylül 2017
- **GRAPHENE-BASED ELECTROCHEMICAL BIOSENSORS FOR DETECTION OF AMINO ACIDS**
SALMANKURT B., GÜREL H. H.
Turkish physical society 33th international physics congress, 6 - 10 Eylül 2017
- **Interactions of Amino Acids with Adatoms(Ti, C,O) Decorated Graphene via Effect of Charging**
Salmankurt B., GÜREL H. H.
32nd International Physics Congress of Turkish-Physical-Society (TPS), Bodrum, Turkey, 6 - 09 Eylül 2016, vol.1815
- **Theoretical Investigation of the Structural, Electronic, Dynamical and Thermal Properties of YSn₃ and YPb₃**
Kilicarslan A., Salmankurt B., Duman S.

32nd International Physics Congress of Turkish-Physical-Society (TPS), Bodrum, Turkey, 6 - 09 Eylül 2016, vol.1815

- **Modifying of Gas Adsorption on Phosphorene**

Salmankurt B., GÜREL H. H.

32nd International Physics Congress of Turkish-Physical-Society (TPS), Bodrum, Turkey, 6 - 09 Eylül 2016, vol.1815

- **Interaction Mechanism of Biomolecules on Vacancy Defected 2D Materials**

GÜREL H. H. , Salmankurt B.

32nd International Physics Congress of Turkish-Physical-Society (TPS), Bodrum, Turkey, 6 - 09 Eylül 2016, vol.1815

- **The Structural, Electronic, Dynamical and Thermal Properties of LaSn₃ and LaPb₃**

Feyzioglu K. F. , Salmankurt B., Duman S.

32nd International Physics Congress of Turkish-Physical-Society (TPS), Bodrum, Turkey, 6 - 09 Eylül 2016, vol.1815

- **Biological Applications Of Graphene Oxide**

GÜREL H. H. , Salmankurt B.

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

- **Structural, Elastic and Vibrational Properties of ScGa₃**

Bal E., Dinc M., Kilicarslan A., Salmankurt B., Duman S.

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

- **First-Principles Studies of the Atomic, Elastic and Vibrational Properties of BaNbO₃**

Kilicarslan A., Bal E., Dinc M., Salmankurt B., Duman S.

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

- **Graphene Based Biosensors**

GÜREL H. H. , Salmankurt B.

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

Citations

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