

Asst. Prof. KÜBRA KARAOĞLU UZUN

Personal Information

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Education Information

Doctorate, Karadeniz Technical University, Turkey 2013 - 2023

Postgraduate, Karadeniz Technical University, Turkey 2010 - 2013

Undergraduate, Karadeniz Technical University, Fizik Bölümü, Turkey 2004 - 2009

Foreign Languages

English, B2 Upper Intermediate

Research Areas

Physics, Atomic and Molecular Physics, Theory of Atoms and Molecules, Natural Sciences

Academic Titles / Tasks

Lecturer, Karadeniz Technical University, Rektörlük, Rektörlük, 2017 - Continues

Expert, Giresun University, Central Research Laboratory Application And Research Center, 2013 - 2017

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Synthesis and characterization of newly phthalocyanine molecules: Their enzyme inhibition and antioxidant properties, in silico and in vitro**
ÇELİK F., ÜNVER Y., OzTuncay F., Cakmak U., KOLCUOĞLU Y., Uzun K., ÖZTÜRK H., Yorulmaz N., DEĞİRMENCİOĞLU İ.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.1016, 2024 (SCI-Expanded)
- II. **Electronic structure and photophysical properties of some promising organic molecules for organic solar cells**
Uzun K. K., Sayin S., ÇEVİK U.
JOURNAL OF MOLECULAR MODELING, vol.29, no.10, 2023 (SCI-Expanded)
- III. **Comparison of charge transport and opto-electronic properties of pyrene and anthracene derivatives for OLED applications**
UZUN K., SAYIN S., TAMER Ö., ÇEVİK U.
Journal Of Molecular Modeling, vol.27, 2021 (SCI-Expanded)
- IV. **Bound states of the D-dimensional Schrödinger equation for the generalized Woods-Saxon potential**
Badalov* V., Baris B., UZUN K.
MODERN PHYSICS LETTERS A, vol.34, pp.1-20, 2019 (SCI-Expanded)

- V. **Bound state solution of the Klein-Fock-Gordon equation with Hulthen plus a ring shaped-like potential within SUSY quantum mechanics**
Nagiyev S., Ahmadov A., UZUN K., Qocaveya M.
INTERNATIONAL JOURNAL OF MODERN PHYSICS A, vol.5, pp.1-23, 2018 (SCI-Expanded)
- VI. **A theoretical scaling for rectifying and surface properties of highly-crystalline N-C anthracene Schottky junctions**
Varol S. F., Sayin S., Eymur S., Uzun K.
MATERIALS RESEARCH BULLETIN, vol.85, pp.249-254, 2017 (SCI-Expanded)
- VII. **Flux Pinning in YBCO Single Crystal Grown on Y2O3 Layer**
Cakir B., AYDINER A., KARAOGLU K., DUMAN S., YANMAZ E.
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.27, no.5, pp.1123-1129, 2014 (SCI-Expanded)

Papers Published in Refereed Scientific Meetings

- I. **Bazı Organik Yarı İletken Moleküller Üzerine Yapılan Kuantum Kimyasal Hesaplamalar**
Uzun K., Çevik U.
2nd International Conference on Engineering and Applied Natural Sciences, Konya, Turkey, 15 - 17 October 2022, pp.1-2
- II. **Exact Analytical Solution of Klein-Fock-Gordon Equation with the Hulthen Plus A Ring shaped Like Potentials for Nonzero Angular Momentum**
Uzun K.
6th International Conference On Control and Optimization with Industrial Applications(COIA), Baku, Azerbaijan, 11 - 13 June 2018, pp.38-40
- III. **Investigation of Properties CuIn_{0.7}Ga_{0.3}Se₂ Thin Films Deposited with Termal Evaporation for PV Applications**
yağız m., FİAT VAROL S., UZUN K.
4. Uluslararası Katılımlı Anadolu Enerji Sempozyumu, 18 - 20 April 2018
- IV. **DFT Calculations of Hybrid Compound Based on Curcumin and Thalidomide for Multiple Myeloma**
UZUN K., ÇEVİK U., ATALAY Y.
III. International Turkish Congress on Molecular Spectroscopy (TURCMOS2017), 26 - 29 August 2017
- V. **Analytical solutions to the Kratzer potential in the presence of a constant magnetic field: non-relativistic neutral 2-body system**
Uzun O., UZUN K., ÇEVİK U.
TURCMOS 2017, 26 - 29 May 2017
- VI. **he Role of Annealing Temperature on CuInSe₂ Thin Films as Solar Cells Material**
FİAT VAROL S., UZUN K., ÇANKAYA G., KORALLI P.
International Semiconductor Science and Technology Conference 2015, 11 - 15 May 2015

Supported Projects

Karaoğlu Uzun K., TÜBİTAK Project, DOĞU KARADENİZ BÇLGESİNDEKİ KARAYOSUNLARI VE LİKENLERDE 137Cs'nin EKOLOJİK YARIÖMRÜNÜN BELİRLENMESİ, 2024 - 2025

Uzun K., Çevik U., TÜBİTAK Project, Bazı Organik Yarıiletken Moleküllerin Yapısal Özellikleri ile Organik Elektronik Aygıtlarda Kullanılma Kapasiteleri Arasındaki İlişkinin Yoğunluk Fonksiyonel Teorisi Yardımıyla Belirlenmesi, 2018 - 2019

TÜBİTAK Project, Tek ve Çoklu Külçe Süperiletkenlerde Tuzaklanan Manyetik Alanın Hesaplanması ve Külçe Süperiletken Üretimi, 2008 - 2011

Metrics

Publication: 13

Citation (WoS): 47

Citation (Scopus): 49

H-Index (WoS): 4

H-Index (Scopus): 4