

Lect. PhD YELİZ GÜLEŞCİ KARTAL

Personal Information

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International Researcher IDs

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Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Turkey 2012 - 2023

Postgraduate, Gazi University, Fen Bilimleri Enstitüsü, Fizik/Atom Ve Molekül Fiziği, Turkey 2009 - 2012

Undergraduate, Kahramanmaraş Sutcu Imam University, Fizik, Turkey 2005 - 2009

Research Areas

Condensed Matter 1: Structural, Mechanical and Thermal Properties, Intensive Article 2: Electronic Structure, Electric, Magnetic and Optical Properties

Academic Titles / Tasks

Lecturer, Akdeniz University, Serik Gulsun-Suleyman Sural Vocational School, Department of Medical Services and Techniques, 2020 - Continues

Courses

Associate Degree

İş Sağlığı ve Güvenliği, Associate Degree, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2021 - 2022

Mağazacılık, Associate Degree, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2021 - 2022

Etkili ve Güzel Konuşma, Associate Degree, 2024 - 2025

Optisyenlik I, Associate Degree, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2021 - 2022

Associate Degree, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2021 - 2022

Fizik, Associate Degree, 2024 - 2025, 2023 - 2024, 2022 - 2023

İlk Yardım, Associate Degree, 2024 - 2025, 2023 - 2024

Optisyenlik Uygulamaları I, Associate Degree, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2021 - 2022

Kriz ve Stres Yönetimi, Associate Degree, 2024 - 2025

Sağlıklı Yaşam ve Egzersiz, Associate Degree, 2024 - 2025

Satış Yönetimi, Associate Degree, 2022 - 2023, 2020 - 2021

Bilgi ve İletişim Teknolojisi, Associate Degree, 2023 - 2024, 2022 - 2023, 2021 - 2022

Optisyenlikte Paket Programlar, Associate Degree, 2022 - 2023, 2021 - 2022, 2020 - 2021

Fizikte Optik Kuramlar, Associate Degree, 2021 - 2022

Meslek Etiği, Associate Degree, 2021 - 2022

İleri Düzey Ofis Uygulamaları, Associate Degree, 2020 - 2021

Çoklu Ortam Uygulamaları, Associate Degree, 2020 - 2021

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **An alternative material obtained for spintronic applications using first-principles approximations: TiV₂Se₄ spinel**
Güleşci Kartal Y., Ahmed W. A. A., Özdemir E. G., Doğruer S., Balmumcu F. I., Merdan Z.
THEORETICAL CHEMISTRY ACCOUNTS, vol.144, pp.16-30, 2025 (SCI-Expanded)
- II. **Electronic, magnetic and elastic calculations on half-metallic Heusler Ti₂RuTi compound**
Kartal Y., ÖZDEMİR E. G., MERDAN Z.
PHILOSOPHICAL MAGAZINE, vol.102, no.2, pp.153-165, 2022 (SCI-Expanded)
- III. **Experimental and theoretical study on free 5-nitroquinoline, 5-nitroisoquinoline, and their zinc(II) halide complexes**
YURDAKUL Ş., Badoglu S., Gulesci Y.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.137, pp.945-956, 2015 (SCI-Expanded)

Papers Published in Refereed Scientific Meetings

- I. **The electronic, magnetic and half-metallic properties of new Ti₂RuTi full Heusler compound: An ab-initio investigation**
GÜLEŞCİ KARTAL Y., ÖZDEMİR E. G., MERDAN Z.
International Conference on Advanced Materials Science Engineering and High Tech Devices Applications Exhibition (ICMATSE 2020), Ankara, Turkey, 2 - 04 October 2020
- II. **Ab-initio calculations of Ti₂IrTi full-Heusler alloy**
GÜLEŞCİ KARTAL Y., ÖZDEMİR E. G., MERDAN Z.
Turkish Physics Society 34rd International Physical Congress, 5 - 08 September 2018

Metrics

Publication: 5

Citation (WoS): 4

Citation (Scopus): 10

H-Index (WoS): 1

H-Index (Scopus): 1

Congress and Symposium Activities

Turkish Physics Society 40rd International Physical Congress, 2-6 September 2024, Bodrum, First-principles Calculations of TiV₂Pb₄ Spinel, Attendee, Muğla, Turkey, 2024

Turkish Physics Society 38rd International Physical Congress- 31 August- 4 September 2022, Bodrum, Electronic structure and half-metallic property research of Ti₂RuAl alloy, Attendee, Muğla, Turkey, 2022

Turkish Physics Society 37rd International Physical Congress, 1-5 September 2021, Bodrum, First-Principles Studies on Structural and Elastic Properties Pd₂CoTi, Attendee, Muğla, Turkey, 2021

Turkish Physics Society 37rd International Physical Congress, 1-5 September 2021, Bodrum, Density Functional Theory

of Electronic and Magnetic Properties of Pd₂CrB₁, Attendee, Muğla, Turkey, 2021

Turkish Physics Society 37rd International Physical Congress, 1-5 September 2021, Bodrum, Half-Metallic Band Gap

Calculations on new Ti₂RhTi compound, Attendee, Muğla, Turkey, 2021

International Conference on Advanced Materials Science & Engineering and High Tech Devices Applications; Exhibition (ICMATSE 2020)/The electronic, magnetic and half-metallic properties of the new Ti₂RuTi full Heusler compound: An ab-initio investigation, Attendee, Ankara, Turkey, 2020

Turkish Physics Society 34rd International Physical Congress/Ab-initio calculations of Ti₂IrTi full-Heusler alloy, Attendee, Muğla, Turkey, 2018

Awards

Güleşci Kartal Y., Balmumcu F. I., Merdan Z., Türk Fizik Derneği, August 2022