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Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAD-8181-2021

ScopusID: 57196728000

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Education Information

Doctorate, Marmara University, Institute For Graduate Studies In Pure And Applied Sciences, Department Of Physics, Turkey 2018 - 2025

Postgraduate, Kirikkale University, Fen Bilimler Enstitü, Fizik, Turkey 2014 - 2017

Undergraduate, Karadeniz Technical University, Fatih Eğitim Fakültesi, Turkey 2009 - 2014

Dissertations

Postgraduate, Grafen Sentezi ve Karakterizasyonu, Kirikkale University, Fen Bilimler Enstitü, Fizik, 2017

Research Areas

Artificial Intelligence, Computer Learning and Pattern Recognition, Condensed Matter 1: Structural, Mechanical and Thermal Properties, Intensive Article 2: Electronic Structure, Electric, Magnetic and Optical Properties

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Investigation of shielding properties of impregnated activated carbon for gamma-rays**
Ickecan D., Turkan M. N., GÜLBİÇİM H.
Applied Radiation and Isotopes, vol.172, 2021 (SCI-Expanded)

Articles Published in Other Journals

- I. **Comparing the Shielding Features of Graphene and Impregnated Activated Carbon with Selected Traditional Shielding Materials For Gamma-Rays**
İÇKECAN D., turkan n., ERBAHAR D., GÜLBİÇİM H.
Sakarya Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.27, no.3, pp.580-589, 2023 (Peer-Reviewed Journal)
- II. **Eco-Friendly Synthesis and Characterization of Reduced Graphene Oxide**
İÇKECAN D., ZAN R., NEZİR S.

Books & Book Chapters

- I. **GELECEĞİN ENERJİ MALZEMESİ: BOR, SANAYİDEN MEDİKALE-YAN ETKİDEN TEDAVİYE**
AKSU M., TÜRKAN M. N., İÇKECAN D.
LAP LAMBERT ACADEMIC PUBLISHING, 2022
- II. **Eco-Friendly Technological Material: Graphene: Eco-Friendly Reduced Graphene Oxide, Graphene oxide**
İÇKECAN D., TÜRKAN M. N., ÖZCAN A.
LAP Lambert Akademik Yayıncılık, 2021

Refereed Congress / Symposium Publications in Proceedings

- I. **Emergent Atomic Environments in Twisted Bilayer Graphene and Their Use in the Prediction of the Vibrational Properties**
İÇKECAN D., OKYAYLI Y. E., BLEDA E. A., ERBAHAR D.
Carbon Nanoscience and NanoTechnology (NanoteC24), Nantes, France, 27 - 30 August 2024
- II. **Effect of Local Environment on the Vibrational Properties of Twisted Bilayer Graphene: A Machine Learning Approach**
İÇKECAN D., OKYAYLI Y. E., BLEDA E. A., ERBAHAR D.
APS March Meeting 2024, United States Of America, 3 - 08 March 2024
- III. **Investigation of vibrational properties of twisted bilayer graphene**
İÇKECAN D., BLEDA E. A., ERBAHAR D.
16th Nanoscience and Nanotechnology Conference (NanoTR-16), Turkey, 05 September 2022
- IV. **Comparing the shielding feature of the graphene with impregnated activated carbon for gamma rays**
İÇKECAN D., TÜRKAN M., ERBAHAR D., GÜLBİÇİM H.
XV. International Conference on Nuclear Structure Properties, Turkey, 28 - 30 June 2022
- V. **Probing the Phonon Spectra of Twisted Bilayer Graphene with Machine Learning Methods**
İÇKECAN D., BLEDA E. A., ERBAHAR D.
APS March Meeting 2023, United States Of America, 20 March 2023 - 22 March 2022
- VI. **Probing The Phonon Spectrum Of Twisted Bilayer Graphene**
İÇKECAN D., BLEDA E. A., ERBAHAR D.
Turkish Physical Society 37th International Physics Congress, Turkey, 01 September 2021

Supported Projects

İçkecan D., Erbahar D., Bleda E. A., TUBITAK Project, İki Boyutlu Nano Yapıların Özelliklerinin İncelenmesinde Makine Öğrenim Metotlarının Kullanılması, 2024 - 2024

İçkecan D., Doğan M., Erdem Ü., Nezir S., Project Supported by Higher Education Institutions, Manyetik Alınganlık Cihazının Titreşimli Örnek Manyetometresi İşlevinde Güncellenmesi, 2017 - 2019

İçkecan D., Zan R., Nezir S., Project Supported by Higher Education Institutions, Grafen Sentezi ve Karakterizasyonu, 2016 - 2017

Scientific Refereeing

CARBON LETTERS, SCI Journal, September 2023

Metrics

Publication: 11

Citation (Scopus): 32

H-Index (Scopus): 2

Awards

İçkecan D., Seçkin Öğrenci Ödülü, American Physical Society, January 2024

Non Academic Experience

TUBİTAK, TUBİTAK , TUBİTAK MAM