

Dr. Öğr. Üyesi ÖZGE AKAY SEFER

Kişisel Bilgiler

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Uluslararası Araştırmacı ID'leri

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Publons / Web Of Science ResearcherID: AAD-1561-2021

ScopusID: 55863175800

Yoksis Araştırmacı ID: 237548

Eğitim Bilgileri

Doktora, Orta Doğu Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Fen Bilimleri Enstitüsü, Türkiye 2015 - 2020

Yüksek Lisans, İhsan Doğramacı Bilkent Üniversitesi, Mühendislik Ve Fen Bilimleri Enstitüsü, Türkiye 2010 - 2013

Lisans, Orta Doğu Teknik Üniversitesi, Fen Edebiyat Fakültesi, Fizik Bölümü, Türkiye 2005 - 2010

Yaptığı Tezler

Yüksek Lisans, Microfluidic based differential electrochemical sensors, İhsan Doğramacı Bilkent Üniversitesi, Mühendislik Ve Fen Bilimleri Enstitüsü, 2013

Araştırma Alanları

Mühendislik ve Teknoloji

Akademik Unvanlar / Görevler

Dr. Öğr. Üyesi, Marmara Üniversitesi, Teknoloji Fakültesi, Mekatronik Mühendisliği Bölümü, 2020 - Devam Ediyor

Öğretim Görevlisi, MGNA, Doha, 2019 - 2020

Araştırma Görevlisi, Piri Reis Üniversitesi, Fen-Edebiyat Fakültesi, 2015 - 2020

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. A Novel Natural Fibers-Based Bio-composite Prepared from Silk Fibroin and Luffa Cylindrica**
AKAY SEFER Ö., Konuk Ege G., Saltık D., YÜCE H.
Journal of Polymers and the Environment, cilt.33, sa.3, ss.1459-1468, 2025 (SCI-Expanded)
- II. Calculation of the order parameter and dielectric susceptibility under the electric field near the incommensurate phase in NaNO₂ using Landau model**
YURTSEVEN H. H., AKAY SEFER Ö.
Philosophical Magazine, cilt.105, sa.3, ss.208-227, 2025 (SCI-Expanded)
- III. Non-enzymatic Electrochemical Sensor Behaviors of Polyaniline: Silicene Nanocomposite-A Study on**

Sensitive and Selective Sensor Design against Glucose

Baytemir G., AKAY SEFER Ö., Konuk Ege G., Taşaltın N.

Journal of the Electrochemical Society, cilt.171, sa.12, 2024 (SCI-Expanded)

- IV. **Temperature dependence of the frequency shifts related to the thermodynamic quantities close to phase transitions in NaNO₂**
YURTSEVEN H. H., AKAY SEFER Ö.
Phase Transitions, cilt.97, sa.10, ss.665-680, 2024 (SCI-Expanded)
- V. **Calculation of the Raman frequencies and thermodynamic quantities at high pressures for the cubic gauche nitrogen (cg-N)**
YURTSEVEN H. H., AKAY SEFER Ö.
Journal of Molecular Structure, cilt.1294, 2023 (SCI-Expanded)
- VI. **A fabrication and characterization of luffa/PANI/PEO biocomposite nanofibers by means of electrospinning**
EGE G. K., YÜCE H., AKAY Ö., ÖNER H., GENÇ G.
PIGMENT & RESIN TECHNOLOGY, cilt.52, sa.1, ss.151-159, 2023 (SCI-Expanded)
- VII. **A chemosensitive based ammonia gas sensor with PANI/PEO- ZnO nanofiber composites sensing layer**
Konuk Ege G., AKAY SEFER Ö., YÜCE H.
Microelectronics International, 2023 (SCI-Expanded)
- VIII. **Preparation of a sustainable bio-copolymer based on Luffa cylindrica cellulose and poly(ϵ -caprolactone) for bioplastic applications**
AKAY Ö., Altınkök Ç., Acik G., YÜCE H., Ege G. K., GENÇ G.
International Journal of Biological Macromolecules, cilt.196, ss.98-106, 2022 (SCI-Expanded)
- IX. **A bio-based and non-toxic polyurethane film derived from Luffa cylindrica cellulose and L-Lysine diisocyanate ethyl ester**
AKAY Ö., Altınkök Ç., Acik G., YÜCE H., Ege G. K.
European Polymer Journal, cilt.161, 2021 (SCI-Expanded)
- X. **Investigation of vibrational, elastic and dielectric properties of cubic gauche nitrogen (cg-N)**
Akay Ö., YURTSEVEN H. H.
OPTIK, cilt.236, 2021 (SCI-Expanded)
- XI. **Calculation of the inverse relaxation time and the activation energy as a function of temperature for the Raman modes close to the phase transitions in solid nitrogen**
YURTSEVEN H. H., Akay Ö.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1226, 2021 (SCI-Expanded)
- XII. **Calculation of the thermodynamic functions from the Raman frequency shifts close to the epsilon - delta(ρ) - delta transitions and Pippard relations in nitrogen**
Akay Ö., YURTSEVEN H. H.
MODERN PHYSICS LETTERS B, cilt.34, sa.33, 2020 (SCI-Expanded)
- XIII. **Raman bandwidths calculated for the librational (α -phase) and internal (β , δ ρ and δ phases) modes in solid N₂ using pseudospin-phonon coupling (PS) and energy-fluctuation (EF) models**
YURTSEVEN H. H., Akay Ö.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1217, 2020 (SCI-Expanded)
- XIV. **Calculation of the Raman frequency and linewidth of vibrons using anharmonic self energy model for the epsilon , delta(ρ) and delta phases in solid nitrogen**
Akay Ö., YURTSEVEN H. H.
OPTIK, cilt.219, 2020 (SCI-Expanded)
- XV. **CALCULATION OF THE THERMODYNAMIC FUNCTIONS USING A MEAN FIELD MODEL FOR THE FLUID-SOLID TRANSITION IN NITROGEN**
Akay Ö., YURTSEVEN H. H.
REVUE ROUMAINE DE CHIMIE, cilt.65, sa.5, ss.425-432, 2020 (SCI-Expanded)
- XVI. **Liquid-(Solid plus Liquid) Transitions in a Two-Component System of (CH₃)CCl₃ + CCl₄**

- YURTSEVEN H. H., Akay Ö.
JOURNAL OF SOLUTION CHEMISTRY, cilt.49, sa.2, ss.195-209, 2020 (SCI-Expanded)
- XVII. **CALCULATION OF THE PHASE DIAGRAMS FOR THE FLUID-SOLID AND SOLID-SOLID ($\Delta\Delta(\text{loc})$ - ϵ) TRANSITIONS IN MOLECULAR NITROGEN BY USING MEAN FIELD MODEL**
YURTSEVEN H. H., Akay Ö.
REVUE ROUMAINE DE CHIMIE, cilt.64, sa.3, ss.249-258, 2019 (SCI-Expanded)
- XVIII. **Calculation of the Raman and IR frequencies from the volume data at high pressures in N-2**
Akay Ö., YURTSEVEN H. H.
OPTIK, cilt.160, ss.227-233, 2018 (SCI-Expanded)
- XIX. **Analysis of the Raman Frequency Shifts for the Lattice Modes and Vibrons Related to the Thermodynamic Quantities in the eta Phase of Solid Nitrogen**
YURTSEVEN H. H., Akay Ö.
HIGH TEMPERATURE MATERIALS AND PROCESSES, cilt.32, sa.4, ss.383-389, 2013 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

- I. **Luffa Takviyeli Polianilin Filmlerin Karakterizasyonu**
SEFER O. A.
Düzce Üniversitesi Bilim ve Teknoloji Dergisi, cilt.13, sa.1, ss.26-36, 2025 (Hakemli Dergi)
- II. **The Characterization of Electrospun PANI/PEO Nanofibers at Different Electrospinning Conditions at Room Temperature**
KONUK EGE G., AKAY Ö., YÜCE H.
The International Journal of New Findings in Engineering, Science and Technology, cilt.2, sa.2, ss.91-97, 2024 (Hakemli Dergi)
- III. **Calculation of the Thermodynamic Quantities for Cubic Gauche Nitrogen (cg-N)**
Yurtseven H., Akay Ö.
INTERNATIONAL JOURNAL OF THERMODYNAMICS, cilt.25, sa.3, ss.32-39, 2022 (ESCI)

Hakemli Bilimsel Toplantılarda Yayımlanmış Bildiriler

- I. **PRODUCTION OF CONDUCTIVE BIOPOLYMER NANOFIBERS BASED ON NATURAL FIBERS**
Akay Sefer Ö.
ASES VIII. INTERNATIONAL HEALTH ENGINEERING AND SCIENCES CONFERENCE, İzmir, Türkiye, 13 Nisan - 14 Haziran 2024, ss.189-190, (Özet Bildiri)
- II. **The characterization of electrospun PANI/PEO nanofibers at different electrospinning conditions at room temperature**
Ege G. K., Akay Ö., Yüce H.
International conference on engineering technologies, Konya, Türkiye, 17 - 19 Kasım 2022, ss.1-4, (Tam Metin Bildiri)
- III. **PREPARATION AND CHARACTERIZATION OF LNF/PANI/PEO BIO-COMPOSITE BASED ON LUFFA CYLINDRICA**
Akay Ö., Ege G. K., Yüce H.
25. Sıvı Hal Sempozyumu, İstanbul, Türkiye, 27 Mayıs 2022, ss.18, (Özet Bildiri)

Metrikler

Yayın: 25

Atf (WoS): 28

Atif (Scopus): 64

H-índeks (WoS): 3

H-índeks (Scopus): 3