Dr.Öğr.Üyesi ÖZGE AKAY SEFER

Kişisel Bilgiler

E-posta: ozge.akay@marmara.edu.tr
Web: https://avesis.marmara.edu.tr/8664

Uluslararası Araştırmacı ID'leri
ScholarID: i99MHnUAAAAJ
ORCID: 0000-0002-7073-4785
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. **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)

II. **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)

III. **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)

IV. **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)

V. **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)

VI. **Investigation of vibrational, elastic and dielectric properties of cubic gauche nitrogen (cg-N)**
Akay Ö., YURTSEVEN H. H.
OPTIK, cilt.236, 2021 (SCI-Expanded)

VII. **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)

VIII. **Calculation of the thermodynamic functions from the Raman frequency shifts close to the epsilon - delta(loc) - delta transitions and Pippard relations in nitrogen**
Akay Ö., YURTSEVEN H. H.
MODERN PHYSICS LETTERS B, cilt.34, sa.33, 2020 (SCI-Expanded)

IX. **Raman bandwidths calculated for the librational (a -phase) and internal (8, d loc and d phases) modes in solid N 2 using pseudospin-phonon coupling (PS) and energy-fluctuation (EF) models**
YURTSEVEN H. H., Akay Ö.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1217, 2020 (SCI-Expanded)

X. **Calculation of the Raman frequency and linewidth of vibrons using anharmonic self energy model for the epsilon , delta(loc) and delta phases in solid nitrogen**
Akay Ö., YURTSEVEN H. H.
OPTIK, cilt.219, 2020 (SCI-Expanded)

XI. **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)

XII. **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)

XIII. **CALCULATION OF THE PHASE DIAGRAMS FOR THE FLUID-SOLID AND SOLID-SOLID (delta-delta(loc)-epsilon) 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)

XIV. **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)

XV. **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. **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 Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

I. **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

II. **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

Metrikler

Yayın: 18
Atıf (WoS): 29
Atıf (Scopus): 40
H-İndeks (WoS): 3
H-İndeks (Scopus): 3