

Dr. Öğr. Üyesi EMRAH DEMİR

Kişisel Bilgiler

E-posta: emrahdemir@gazi.edu.tr

Web: <https://avesis.gazi.edu.tr/emrahdemir>

Uluslararası Araştırmacı ID'leri

ScholarID: pphomksAAAAJ

ORCID: 0000-0001-5354-2362

Publons / Web Of Science ResearcherID: AIF-2986-2022

ScopusID: 57203840523

Eğitim Bilgileri

Post Doktora, Gebze Teknik Üniversitesi, Nanoteknoloji Enstitüsü, Türkiye 2017 - 2019

Doktora, Technische Universitaet Dresden, Matematik ve Fen Bilimleri Fakültesi, Kimya, Almanya 2010 - 2015

Yüksek Lisans, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Polimer Bilim ve Teknolojisi, Türkiye 2007 - 2009

Lisans, İstanbul Üniversitesi-Cerrahpaşa, Mühendislik Fakültesi, Kimya Bölümü, Türkiye 2001 - 2006

Yabancı Diller

İngilizce, C1 İleri

Araştırma Alanları

Kimya, Temel Bilimler

Akademik Unvanlar / Görevler

Dr. Öğr. Üyesi, Gazi Üniversitesi, Mühendislik Fakültesi, Elektrik - Elektronik Mühendisliği, 2021 - Devam Ediyor

Verdiği Dersler

Bilimsel Araştırma Yöntemleri ve Etik, Yüksek Lisans, 2023 - 2024

Malzeme Bilimi, Lisans, 2023 - 2024

Yarı İletken Devre Teknolojisi, Lisans, 2022 - 2023

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- Li-S battery cathode anchoring polysulfides by interaction between redox-active imide and carbon nanotube**
Yeşilot S., Küçükköylü S., Demir E., Mutlu T., Demir-Cakan R.
Solid State Sciences, cilt.137, 2023 (SCI-Expanded)

- II. **Highly sulfur-rich polymeric cathode materials via inverse vulcanization of sulfur for lithium-sulfur batteries**
YEŞİLOT S., Kucukkoylu S., MUTLU T., Demir E., DEMİR ÇAKAN R.
MATERIALS CHEMISTRY AND PHYSICS, cilt.285, 2022 (SCI-Expanded)
- III. **Synthesis, characterization, optical and electrochemical performances of 3-fold interpenetrated Copper(II) coordination polymer with a flexible zwitterionic ligand**
Ciftci E., ARICI M., Demir E., Demir-Cakan R., Wriedt M., YEŞİLEL O. Z.
JOURNAL OF SOLID STATE CHEMISTRY, cilt.302, 2021 (SCI-Expanded)
- IV. **Prompt microwave-assisted synthesis of carbon coated Si nanocomposites as anode for lithium-ion batteries**
Uctepe A., Demir E., Tekin B., Dursun B., Ozturk O., Sel O., Demir-Cakan R.
SOLID STATE IONICS, cilt.354, 2020 (SCI-Expanded)
- V. **Phosphazene based star-branched polymeric cathode materials via inverse vulcanization of sulfur for lithium-sulfur batteries**
Yesilot S., Kucukkoylu S., Demir E., Demir-Cakan R.
POLYMER CHEMISTRY, cilt.11, sa.25, ss.4124-4132, 2020 (SCI-Expanded)
- VI. **Advanced Thermosets from Sulfur and Renewable Benzoxazine and Ionones via Inverse Vulcanization**
Bayram O., Kışkan B., Demir E., Demir-Cakan R., Yağcı Y.
ACS SUSTAINABLE CHEMISTRY & ENGINEERING, cilt.8, sa.24, ss.9145-9155, 2020 (SCI-Expanded)
- VII. **Utilization of The Indonesian's Spent Tea Leaves as Promising Porous Hard Carbon Precursors for Anode Materials in Sodium Ion Batteries**
Arie A. A., Tekin B., Demir E., Demir-Cakan R.
WASTE AND BIOMASS VALORIZATION, cilt.11, sa.6, ss.3121-3131, 2020 (SCI-Expanded)
- VIII. **A novel polyphosphazene with nitroxide radical side groups as cathode-active material in Li-ion batteries**
Yesilot S., Hacivelioglu F., Kucukkoylu S., Demir E., Celik K. B., Demir-Cakan R.
POLYMERS FOR ADVANCED TECHNOLOGIES, cilt.30, sa.12, ss.2977-2982, 2019 (SCI-Expanded)
- IX. **Bismuth oxide nanoparticles embedded carbon nanofibers as self-standing anode material for Na-ion batteries**
Demir E., Soytaş S. H., Demir-Cakan R.
SOLID STATE IONICS, cilt.342, 2019 (SCI-Expanded)
- X. **Chitosan derived N-doped carbon coated SnO₂ nanocomposite anodes for Na-ion batteries**
Aydın M., Demir E., Unal B., Dursun B., Ahsen A. S., Demir-Cakan R.
SOLID STATE IONICS, cilt.341, 2019 (SCI-Expanded)
- XI. **Hard carbons derived from waste tea bag powder as anodes for sodium ion battery**
Arie A. A., Tekin B., Demir E., Demir-Cakan R.
MATERIALS TECHNOLOGY, cilt.34, sa.9, ss.515-524, 2019 (SCI-Expanded)
- XII. **Apricot shell derived hard carbons and their tin oxide composites as anode materials for sodium-ion batteries**
Demir E., Aydın M., Arie A. A., Demir-Cakan R.
JOURNAL OF ALLOYS AND COMPOUNDS, cilt.788, ss.1093-1102, 2019 (SCI-Expanded)
- XIII. **Activated porous carbons derived from the Indonesian snake fruit peel as anode materials for sodium ion batteries**
Arie A. A., Kristianto H., Demir E., Cakan R. D.
MATERIALS CHEMISTRY AND PHYSICS, cilt.217, ss.254-261, 2018 (SCI-Expanded)
- XIV. **Heterograft Copolymers via Double Click Reactions Using One-Pot Technique**
Dag A., Durmaz H., Demir E., Hızal G., Tunca Ü.
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, cilt.46, sa.20, ss.6969-6977, 2008 (SCI-Expanded)

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

I. Nano sensor technology based on semiconductor nanocrystals

Martin J., Staudinger U., Demir E., Spudat C., Poetschke P., Voit B., Otto T., Gessner T.

Conference on Integrated Optics - Devices, Materials, and Technologies XVI, San-Francisco, Kostarika, 23 - 25 Ocak 2012, cilt.8264

Metrikler

Yayın: 15

Atf (WoS): 205

Atf (Scopus): 175

H-İndeks (WoS): 7

H-İndeks (Scopus): 6