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Kişisel Bilgiler

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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

I. **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.
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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., Soytas 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**
Aydin M., Demir E., Unal B., Dursun B., Ahsen A. S., Demir-Cakan R.
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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., Aydin 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.
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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
Atıf (WoS): 205
Atıf (Scopus): 175
H-İndeks (WoS): 7
H-İndeks (Scopus): 6