

Res. Asst. MELTEM ÇAYIRLI CAN

Personal Information

Email: meltem.cayirli@ogu.edu.tr

Web: <https://avesis.ogu.edu.tr/4271>

International Researcher IDs

ORCID: 0000-0002-2006-6336

ScopusID: 57835134200

Yoksis Researcher ID: 330072

Education Information

Doctorate, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, METALURJİ VE MALZEME MÜHENDİSLİĞİ BÖLÜMÜ, Turkey 2021 - Continues

Postgraduate, Eskisehir Osmangazi University, FEN BİLİMLERİ ENSTİTÜSÜ, Metalurji Ve Malzeme Mühendisliği (YI) (Tezli), Turkey 2019 - 2021

Research Areas

Metallurgical and Materials Engineering, Material science and engineering, Nanomaterials, Engineering and Technology

Academic Titles / Tasks

Research Assistant, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, METALURJİ VE MALZEME MÜHENDİSLİĞİ BÖLÜMÜ, 2020 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- Synthesis of MoS₂/Graphene Hetero-Film Photocatalyst and Li-Oxygen Battery Application**
Çelt A. C., Çayırılı Can M., Özden R. C., Lökçü E., Anık M.
CHEMELECTROCHEM, pp.1-6, 2025 (SCI-Expanded)
- Synthesis of N-Doped Graphene Photo-Catalyst for Photo-Assisted Charging of Li-Ion Oxygen Battery**
Kaçar N., LÖKÇÜ E., ÇAYIRLI M., ÖZDEN R. C., COŞKUN Ş., TOPARLI Ç., ÇELİKYÜREK İ., ANIK M.
Global Challenges, vol.8, no.1, 2024 (SCI-Expanded)
- Photocatalytic Efficiency of g-C₃N₄/Graphene Nanocomposites in the Photo-Assisted Charging of the Li-Ion Oxygen Battery**
Kaçar N., Çayırılı M., Özden R. C., Lökçü E., Anık M.
ACS OMEGA, vol.8, no.48, pp.46227-46235, 2023 (SCI-Expanded)
- Photoassisted Charging of Li-Ion Oxygen Batteries Using g-C₃N₄/rGO Nanocomposite Photocatalysts**
LÖKÇÜ E., Kaçar N., ÇAYIRLI M., ÖZDEN R. C., ANIK M.
ACS APPLIED MATERIALS & INTERFACES, vol.14, no.30, pp.34583-34592, 2022 (SCI-Expanded)

Articles Published in Other Journals

- I. **Synthesis and Electrochemical Performance of Spinel Crystal Structured ((FeNiCrMn)_{1-x}Co_x)₃O₄ (x=0.1, 0.2, 0.3) High Entropy Oxides**
ÇAYIRLI M., ERDOĞAN ESEN E., LÖKÇÜ E., ANIK M.
The Eurasia Proceedings of Science, Technology, Engineering & Mathematics (EPSTEM), vol.16, pp.140-144, 2021 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Synthesis and Characterization of rGO@SiO₂ Nanostructures for Li-Ion Batteries**
CAN S., ÇAYIRLI M., LÖKÇÜ E., ANIK M.
International Congress of Engineering and Natural Sciences Studies, Ankara, Turkey, 7 - 09 May 2021
- II. **Microstructural and Electrochemical Properties of (Mg_{0.2}Co_{0.2}Ni_{0.2}Zn_{0.2}Li_{0.1}Al_{0.1})O High Entropy Oxide Anode**
ÇAYIRLI M., CAN S., LÖKÇÜ E., ANIK M.
International Congress of Engineering and Natural Sciences Studies, Ankara, Turkey, 7 - 09 May 2021
- III. **Synthesis and lithium storage properties of non-equiatomic MgNiCuZnCo high-entropy oxides**
ÇAYIRLI M., LÖKÇÜ E., ANIK M.
2nd international conference on natural and applied science and engineering, Turkey, 21 - 25 October 2020, pp.9-12

Metrics

Publication: 8

Citation (WoS): 2

Citation (Scopus): 16

H-Index (WoS): 1

H-Index (Scopus): 2