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Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Tuning the lattice strain through manipulating crystal structure of high entropy oxides enhances electrocatalytic performance**
Coskuner A. B., ERDİL T., ÖZGÜR Ç., Geyikci U., TOPARLI Ç.
Materials Research Bulletin, vol.186, 2025 (SCI-Expanded)
- II. **B-Site Doping Boosts the OER and ORR Performance of Double Perovskite Oxide as Air Cathode for Zinc-Air Batteries**
Ozgur Ç., Erdil T., Geyikci U., Yildiz İ., Lokcu E., Toparli Ç.
CHEMPHYSICHEM, vol.25, no.22, 2024 (SCI-Expanded)
- III. **Earth-Abundant Divalent Cation High-Entropy Spinel Ferrites as Bifunctional Electrocatalysts for Oxygen Evolution and Reduction Reactions**
ERDİL T., ÖZGÜR Ç., Geyikci U., LÖKÇÜ E., TOPARLI Ç.
ACS APPLIED ENERGY MATERIALS, vol.7, no.18, pp.7775-7786, 2024 (SCI-Expanded)
- IV. **Engineering Oxygen Vacancies in (FeCrCoMnZn)₃O_{4-δ} High Entropy Spinel Oxides Through Altering Fabrication Atmosphere for High-Performance Rechargeable Zinc-Air Batteries**
Özgür Ç., Erdil T., Geyikci U., Okuyucu C., Lökçü E., Kalay Y. E., Toparli Ç.
Global Challenges, vol.8, no.1, 2024 (SCI-Expanded)
- V. **Effect of synthesis environment on the electrochemical properties of (FeMnCrCoZn)₃O₄ high-entropy oxides for Li-ion batteries**
Bayraktar D. O., LÖKÇÜ E., ÖZGÜR Ç., Erdil T., TOPARLI Ç.
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, vol.46, no.15, pp.22124-22133, 2022 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **The Effect of B-site Doping on NdBaCoaFe_{2-a}O₆ (a= 1.8, 1.6, 1.4, 1.2) for Enhanced OER/ORR Activity and Rechargeable Zinc- Air Battery Performance**
ÖZGÜR Ç., TOPARLI Ç.
7th International Symposium on Materials for Energy Storage and Conversion, Muğla, Turkey, 17 - 21 July 2023
- II. **NANO POROUS HIGH ENTROPY OXIDE ELECTROCATALYST FOR HYDROGEN PRODUCTION**
ÖZGÜR Ç., TOPARLI Ç., ERDİL T., LÖKÇÜ E.

3rd INTERNATIONAL MATERIALS TECHNOLOGIES AND METALLURGY CONFERENCE-2023, İstanbul, Turkey, 11 - 13 October 2023

III. **(Digital Presentation) ORR/OER Activity and Rechargeable Zinc-Air Battery Performance of B Site Doped Double Perovskite NdBaCoXO_{5+δ} (X= Fe, Ni, Mn)**

Özgür Ç., Toparli Ç.

ECS Meeting, Vancouver, Canada, 29 May - 02 June 2022, vol.35, pp.1511

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