

Res. Asst. CAN OKUYUCU

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International Researcher IDs

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Education Information

Postgraduate, Middle East Technical University, Faculty of Engineering, Department of Metallurgical and Materials Engineering, Turkey 2020 - Continues

Associate Degree, Anadolu University, Open Education Faculty, Department Of Philosophy, Turkey 2016 - 2022

Undergraduate, Middle East Technical University, Faculty of Engineering, Department of Metallurgical and Materials Engineering, Turkey 2014 - 2020

Research Areas

Metallurgical and Materials Engineering, Material science and engineering, Physical Metallurgy, Material Characterization, Mechanical Metallurgy, Nanomaterials

Academic Titles / Tasks

Research Assistant, Middle East Technical University, Faculty of Engineering, Department of Metallurgical and Materials Engineering, 2020 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Development and directed energy deposition of high strength Hf5Mo15Nb35Ta25Ti20 refractory high entropy alloys**
ÖZALP A., OKUYUCU C., Koc B., El-Atwani O., AYDOĞAN GÜNGÖR E.
Materials Characterization, vol.209, 2024 (SCI-Expanded)
- II. **Engineering Oxygen Vacancies in (FeCrCoMnZn)3O4-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., Toparlı Ç.
Global Challenges, vol.8, no.1, 2024 (SCI-Expanded)
- III. **Nanomechanical properties of Al-Tb marginal metallic glass**
OKUYUCU C., Ulucan T. H., Abboud M., Motallebzadeh A., ÖZERİNÇ S., Kalay İ., KALAY Y. E.
Materials Science and Engineering: A, vol.888, 2023 (SCI-Expanded)

- IV. **Effect of Gadolinium on Electrical Properties of Polyethyleneimine Functionalized and Nitrogen-Doped Graphene Quantum Dot Nanocomposite Based Diode**
ORHAN E., ANTER A., ULUSOY M., Polat B., OKUYUCU C., YILDIZ M., ALTINDAL Ş.
Advanced Electronic Materials, vol.9, no.8, 2023 (SCI-Expanded)
- V. **Facile Synthesis and Origin of Enhanced Electrochemical Oxygen Evolution Reaction Performance of 2H-Hexagonal Ba₂CoMnO₆-delta as a New Member in Double Perovskite Oxides**
Erdil T., Lökçü E., Yıldız İ., Okuyucu C., Kalay Y. E., Toparlı Ç.
ACS OMEGA, vol.7, no.48, pp.44147-44155, 2022 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **Al-Sm Alloys Under Far-From-Equilibrium Conditions**
Okuyucu C., Kaygusuz B., Işıksaçan C., Meydanoğlu O., Motallebzadeh A., Özerinç S., Kalay Y. E.
Light Metals Symposium held at the TMS Annual Meeting and Exhibition, 2021, Pennsylvania, United States Of America, 15 - 18 March 2021, vol.6, pp.85-91

Supported Projects

Kalay Y. E., Okuyucu C., Sarıtürk D., Project Supported by Public Organizations in Other Countries, ALLOYS - Metallic Glass/Nanocrystal Composites and NiTiHf Shape Memory Alloys for High Temperature Applications, 2020 - 2023

Memberships / Tasks in Scientific Organizations

ACerS, Member, 2021 - Continues, United States Of America
AIST, Member, 2021 - Continues, United States Of America
ASM International, Member, 2021 - Continues, United States Of America
TMS, Member, 2021 - Continues, United States Of America

Scientific Research / Working Group Memberships

Metals Development Laboratory, Middle East Technical University, Turkey, mdl.mete.metu.edu.tr, 2014 - Continues

Metrics

Publication: 6
Citation (WoS): 1
Citation (Scopus): 2
H-Index (WoS): 1
H-Index (Scopus): 1

Congress and Symposium Activities

TMS 2021, Attendee, Florida, United States Of America, 2021