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Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: IAL-9864-2023

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Education Information

Doctorate, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Metallurgical And Materials Engineering, Turkey 2023 - Continues

Postgraduate, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Metallurgical And Materials Engineering, Turkey 2022 - 2023

Postgraduate, Istanbul Technical University, Lisansüstü Eğitim Enstitüsü, Metallurgical and Materials Engineering, Turkey 2020 - 2022

Undergraduate, Gebze Technical University, Faculty Of Engineering, Department Of Materials Science And Engineering, Turkey 2014 - 2019

Foreign Languages

English, C1 Advanced

Certificates, Courses and Trainings

Vocational Course, Advanced Functional Ceramics, Yonsei University, 2020

Vocational Course, Material Processing, Georgia Institute of Technology, 2020

Dissertations

Postgraduate, Recycling of ZnS from wastes and its utilization as an electrode material in supercapacitors, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Metallurgical And Materials Engineering, 2023

Research Areas

Energy storage technologies, Advanced Energy Technologies, Metallurgical and Materials Engineering, Material science and engineering, Chemical and Electrochemical Properties, Production Metallurgy, Hydrometallurgy, Engineering and Technology

Academic Titles / Tasks

Research Assistant, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Metallurgical And Materials Engineering, 2022 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Kinetics and mechanism of Pb(II), Cd(II) and Cu(II) adsorption on ferrochrome ash from aqueous solutions**
Ugurlu E., AYDIN O., GENÇTEN M., BİROL B.
International Journal of Environmental Analytical Chemistry, 2024 (SCI-Expanded)
- II. **Recycling valuable materials from the cathodes of spent lithium-ion batteries: A comprehensive review**
YAŞA S., AYDIN O., Al-Bujasim M., BİROL B., GENÇTEN M.
Journal of Energy Storage, vol.73, 2023 (SCI-Expanded)
- III. **Production of ZnS based supercapacitor electrode material from ferrochrome ash waste**
Aydın O., Birol B., Gençten M.
IONICS, vol.29, pp.3335-3352, 2023 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **PRODUCTION OF A ZnO-BASED SUPERCAPACITOR ELECTRODE MATERIAL RECOVERED FROM THE FERROCHROME ASH WASTE**
YAŞA S., AYDIN O., BİROL B., GENÇTEN M.
12th AEGEAN ANALYTICAL CHEMISTRY DAYS (AACD2023), İstanbul, Turkey, 19 - 22 October 2023, pp.250-251
- II. **RECYCLING OF SPENT LI-ION BATTERIES FOR PRODUCTION OF METAL SULPHIDE AS SUPERCAPACITOR ELECTRODE MATERIAL**
YAŞA S., AYDIN O., BİROL B., GENÇTEN M.
12th AEGEAN ANALYTICAL CHEMISTRY DAYS (AACD2023), İstanbul, Turkey, 19 - 22 October 2023, pp.106
- III. **RECOVERY OF YTTRIUM IN FLUORESCENT PHOSPHOR POWDERS BY SOLVENT EXTRACTION USING CYANEX 272**
Hatipoğlu U., Birol B., Aydın O., Bilen A.
INTERNATIONAL ISTANBUL MODERN SCIENTIFIC RESEARCH CONGRESS-V, İstanbul, Turkey, 9 - 11 July 2023, pp.259-260
- IV. **Production of Metal Sulfides from Ferrochrome Flue Dusts and Investigation of Their Electrochemical Properties**
Aydın O., Gençten M., Birol B.
21 International Metallurgy and Materials Congress (IMMC 2022), İstanbul, Turkey, 6 - 08 October 2022

Metrics

Publication: 8

Citation (WoS): 10

Citation (Scopus): 13

H-Index (WoS): 2

H-Index (Scopus): 2