

CEMAL ASLAN

RES. ASST. PHD

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International Researcher IDs

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Publons / Web Of Science ResearcherID: IQT-2981-2023

ScopusID: 57208166374

Yoksis Researcher ID: 250196

Education

Doctorate 2016 - 2022	İstanbul University-Cerrahpaşa, Institute Of Graduate Education, Department Of Metallurgical And Materials Engineering, Turkey
Postgraduate 2013 - 2016	Istanbul University, Institute Of Graduate Studies In Sciences, Metalurji Ve Malzeme Mühendisliği Anabilim Dalı, Turkey
Undergraduate 2009 - 2013	Istanbul University, Mühendislik Fakültesi, Metalurji Ve Malzeme Mühendisliği, Turkey

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Stronsiyum kobaltitin farklı başlangıç maddelerinden üretimi, İstanbul University-Cerrahpaşa, Institute Of Graduate Education, Department Of Metallurgical And Materials Engineering, 2022

Postgraduate, Stronsiyum kobaltitin sentezi sırasında oluşan termal bozunma adımlarının incelenmesi ve ürünlerin karakterizasyonu, Istanbul University, Institute Of Graduate Studies In Sciences, 2016

Academic Titles / Tasks

Research Assistant PhD 2022 - Continues	Akdeniz University, Faculty of Engineering, Department of Materials Science and Engineering
Research Assistant 2018 - 2022	İstanbul University-Cerrahpaşa, Institute Of Graduate Education, Department Of Metallurgical And Materials Engineering
Research Assistant 2016 - 2018	Istanbul University, Institute Of Graduate Studies In Sciences, Mühendislik Fakültesi Bölümü

Research Assistant
2016 - 2016

Akdeniz University, Faculty of Engineering, Department of Materials Science and
Engineering

Published journal articles indexed by SCI, SSCI, and AHCI

1. **Thermodynamic modelling of the chemical precipitation synthesis of $\text{CoCO}_3 \cdot 2\text{H}_2\text{O}$ from acidic solution and $\text{Co}(\text{OH})(\text{CO}_3)0.5 \cdot n\text{H}_2\text{O}$ from basic solution**
ASLAN C., ZORAĞA M., İLHAN S., KALPAKLI A. O.
Materials Chemistry and Physics, vol.334, 2025 (SCI-Expanded)
2. **Hydrometallurgical Recovery of Valuable Metals from Hazardous Petrochemical Industry Waste and Kinetic Investigation**
Gümüş Aslan B., Aslan C., İlhan S.
Journal of Sustainable Metallurgy, vol.9, no.4, pp.1-15, 2023 (SCI-Expanded)
3. **Formation mechanism of strontium cobaltite containing equimolar amounts of Sr and Co from SrCO_3 and Co_3O_4**
Aslan C., KALPAKLI A. O.
Thermochimica Acta, vol.710, 2022 (SCI-Expanded)
4. **Reaction mechanism of strontium cobaltite synthesis from equimolar mixture of $\text{Sr}(\text{NO}_3)_2$ and $\text{Co}(\text{NO}_3)_2 \cdot 6\text{H}_2\text{O}$ under air atmosphere**
Aslan C., İLHAN S., KALPAKLI A. O., Kahruman C., Yusufoglu I.
Thermochimica Acta, vol.676, pp.52-63, 2019 (SCI-Expanded)

Papers Published in Refereed Scientific Meetings

1. **Formation Mechanism of Strontium Cobaltite from SrCO_3 and Co_3O_4**
Aslan C., Kahruman C., Yusufoglu İ.
International Materials Technologies and Metallurgy Conference 2019, İstanbul, Turkey, 31 October - 01 November 2019, pp.75-78
2. **Formation Mechanism of Strontium Cobaltite from Equimolar Mixture of $\text{Co}(\text{NO}_3)_2 \cdot 6\text{H}_2\text{O}$ and $\text{Sr}(\text{NO}_3)_2$ in Ar Atmosphere**
Aslan C., Kalpaklı A. O., İlhan S., Kahruman C., Yusufoglu İ.
19th International Metallurgy & Materials Congress, İstanbul, Turkey, 25 - 27 October 2018, pp.506-509
3. **Production of Strontium Cobaltite from the Equimolar Mixture of Strontium Oxalate Hydrate and Cobalt Oxalate Hydrate and Characterization**
Aslan C., Kalpaklı A. O., İlhan S., Kahruman C., Yusufoglu İ.
International Materials Technologies and Metallurgy Conference 2017, İstanbul, Turkey, 26 - 27 October 2017, pp.59-62
4. **Reaction Mechanism of Strontium Cobaltite Formation During Heating of Equimolar Mixture of Strontium Nitrate and Cobalt Nitrate**
Yusufoglu İ., Aslan C., Kahruman C.
3rd International Conference on New Trends in Chemistry, Helsinki, Helsinki, Finland, 28 - 30 April 2017, pp.70-71

Courses

Undergraduate

GENERAL CHEMISTRY, Undergraduate, 2024 - 2025

Metrics

Publication: 8

Citation (Scopus): 13

H-Index (Scopus): 1

Research Areas

Metallurgical and Materials Engineering, Production Metallurgy, Pyrometallurgy, Engineering and Technology