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Education Information

Doctorate, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Metallurgical And Materials Engineering, Turkey 2018 - Continues

Postgraduate, Istanbul Technical University, Kimya-Metalurji, Metalurji Ve Malzeme Mühendisliği, Turkey 2015 - 2018

Undergraduate, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Metallurgical And Materials Engineering, Turkey 2010 - 2015

Dissertations

Postgraduate, Yerli Selestit Konsantresinden Hidrometalurjik Süreçler Yardımıyla Stronsiyum Karbonat Üretimi, Istanbul Technical University, Kimya-Metalurji, Metalurji Ve Malzeme Mühendisliği, 2017

Research Areas

Production Metallurgy, Engineering and Technology

Academic Titles / Tasks

Research Assistant, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, -, 2020 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Effects of Furnace Slope and Rotational Speed on the Carbothermic Reduction of Celestite in a Laboratory-Scale Rotary Kiln Furnace**
SEZER R., BİLEN A., HIZLI G., ERTÜRK S., ARSLAN C.
MINING METALLURGY & EXPLORATION, vol.37, no.4, pp.1273-1278, 2020 (SCI-Expanded)
- II. **Investigation of leaching characteristics of celestite concentrate in acidic media and SrCO₃ production via precipitation**
SEZER R., BİLEN A., YILMAZ E., ERTÜRK S., ARSLAN C.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.34, no.3, pp.1410-1416, 2019 (SCI-Expanded)

Articles Published in Other Journals

- I. **Optimization of leaching conditions for extraction of magnesium from a chromite beneficiation plant tailing predominantly containing lizardite**
ÇİFTÇİ H., Arslan B., BİLEN A., ARSOY Z., ERSOY B.
BULLETIN OF THE MINERAL RESEARCH AND EXPLORATION, vol.164, pp.251-259, 2021 (ESCI)
- II. **Metallothermic Production of Aluminum-Strontium Master Alloy for Modification of Silicon**
SEZER R., Hızlı G., BİLEN A., Ertürk S., Dışpınar D., Arslan C.
METALLOGRAPHY MICROSTRUCTURE AND ANALYSIS, vol.9, no.6, pp.833-840, 2020 (ESCI)
- III. **Floresan Camlarda Kullanılan Fosfor Tozundaki NTE'lerinin Geri Kazanımının Araştırılması**
Bilen A., Çiftçi H., Sezer R., Birol B., Kavas T.
Afyon Kocatepe Üniversitesi Fen Ve Mühendislik Bilimleri Dergisi, vol.19, pp.42-47, 2019 (Peer-Reviewed Journal)
- IV. **Effect of Mechanical Activation on Roasting of Celestite Ore**
SEZER R., HIZLI İ. G., BİLEN A., ertürk s., ARSLAN C.
MT Bilimsel, no.11, pp.53-59, 2017 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Investigation of Dissolution Conditions of Yttrium (Y) and Europium (Eu) in Fluorescent Wastes by Acid Leaching**
Hatiopoglu U., Bilen A., Sarıdede M. N.
MMC2022 21st International Metallurgy and Materials Congress, İstanbul, Turkey, 6 - 08 October 2022, pp.130-134
- II. **Investigation of Dissolution Parameters of Rare Earth Elements in Fluorescent Wastes by Microwave Leaching**
Bilen A., Hatiopoglu U., Sarıdede M. N.
IMMC2022 21st International Metallurgy and Materials Congress, İstanbul, Turkey, 6 - 08 October 2022, pp.114-117
- III. **The Effect of Cold Deformation Factors on the Mechanical Behavior of 3xxx Serial Wrought Alloy**
EKİCİ H., AY O., BİLEN A., PETEK E., ULUS A.
International Metallurgy and Materials Congress, 25 - 28 October 2018
- IV. **Optimization of Celestite Leaching by Using Response Surface Methodology**
SEZER R., BİLEN A., ARSLAN C., ERTÜRK S.
TMS 2018 Annual Meeting Exhibition, Phoenix, United States Of America, 11 - 15 March 2018
- V. **Strontium Carbonate Precipitation from Strontium Sulfide Solution**
BİLEN A., HIZLI İ. G., SEZER R., ERTÜRK S., ARSLAN C.
XVIIth Balkan Mineral Processing Congress – BMPC 2017, Antalya, Turkey, 1 - 03 November 2017, pp.543-550
- VI. **Strontium Carbonate Precipitation With Ammonium Carbonate From Strontium Sulfide Solution**
HIZLI İ. G., BİLEN A., SEZER R., ERTÜRK S., ARSLAN C.
XVIIth Balkan Mineral Processing Congress – BMPC 2017, Antalya, Turkey, 1 - 03 November 2017, pp.551-555
- VII. **Investigating the Dissolution Characteristics of Strontium Sulfide**
Hızlı İ. G., Bilen A., SEZER R., Yılmaz E., Ertürk S., Arslan C.
3rd Pan American Materials Congress (PAMC), California, United States Of America, 26 February - 02 March 2017, pp.539-545
- VIII. **Production of Strontianite from Celestite Ore in Carbonate Media**
Hızlı İ. G., Bilen A., SEZER R., Ertürk S., Arslan C.
3rd Pan American Materials Congress (PAMC), California, United States Of America, 26 February - 02 March 2017, pp.607-613
- IX. **Direct Conversion of Celestite to SrCO₃ by Wet Milling**
SEZER R., Bilen A., Hızlı İ. G., Ertürk S., Arslan C.

146th TMS Annual Meeting and Exhibition, California, United States Of America, 26 February - 02 March 2017, pp.608-613

X. Roasting of Celestite in Laboratory Scale Rotary Furnace

Ertürk S., SEZER R., Hızlı İ. G., Bilen A., Arslan C.

8th International Symposium on High-Temperature Metallurgical Processing, California, United States Of America, 26 February - 02 March 2017, pp.469-476

XI. Effect of Mechanical Activation on Roasting of Celestite Ore

SEZER R., HIZLI İ. G., BİLEN A., ERTÜRK S., ARSLAN C.

International Black Sea Mining Tunnelling Symposium, 2 - 04 November 2016

XII. Investigating the Dissolution of Celestite in BaCl₂ and MgCl₂ Medium

BİLEN A., HIZLI İ. G., SEZER R., ERTÜRK S., ARSLAN C.

International Black Sea Mining Tunnelling Symposium, 2 - 04 November 2016

Metrics

Publication: 19

Citation (WoS): 7

Citation (Scopus): 4

H-Index (WoS): 2

H-Index (Scopus): 1