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Personal Information

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Education Information

Doctorate, Istanbul Technical University, Fen Bilimleri, Metalürji Ve Malzeme Mühendisliği , Turkey 2013 - 2018

Post Graduate, Yildiz Technical University, Fen Bilimleri, Metalürji Ve Malzeme Mühendisliği / Üretim, Turkey 2009 - 2013

Under Graduate, Yildiz Technical University, Kimya - Metalürji Fakültesi, Metalürji Ve Malzeme Mühendisliği, Turkey 2002 - 2008

Dissertations

Doctorate, Production of Al-Sr master alloy from domestic celestite and investigation of its properties, Istanbul Technical University, Fen Bilimleri Enstitüsü, 2018

Post Graduate, Slip Döküm Yönteminin Katı Oksit Yakıt Pillerinde Uygulanması ve Özelliklerinin Araştırılması, Yildiz Technical University, Fen Bilimleri Enstitüsü, Metalürji Ve Malzeme Mühendisliği / Üretim, 2013

Research Areas

Metallurgical and Materials Engineering, Material science and engineering, Production Metallurgy, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Karadeniz Technical University, Mühendislik Fakültesi, Metalurji Ve Malzeme Mühendisliği, 2019 - Continues

Research Assistant, Karadeniz Technical University, Mühendislik Fakültesi, Metalürji Ve Malzeme Mühendisliği, 2012 - 2018

Professional Experience

Deputy Head of Department, Karadeniz Technical University, Mühendislik Fakültesi, Metalurji Ve Malzeme Mühendisliği, 2019 - Continues

Araştırmacı, Istanbul Technical University, Prof. Dr. Adnan Tekin Material Sciences And Production Technologies Applied Research Center, 2018 - 2019

Kontrol Mühendisi, AKARE Mühendislik, İGDAŞ Bölge Şefliği, 2012 - 2012

R&D Engineer, İznik Çini ve Seramikleri, 2011 - 2012

R&D Engineer, Sefer Döküm, 2010 - 2012

Shift Engineer, Temsi Döküm ve Makina, 2010 - 2010

R&D Engineer, Burak Alüminyum, 2008 - 2008

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Effects of Furnace Slope and Rotational Speed on the Carbothermic Reduction of Celestite in a Laboratory-Scale Rotary Kiln Furnace**
Sezer R., Bilen A., Hızlı İ. G., Ertürk S., Arslan C.
MINING METALLURGY & EXPLORATION, vol.37, pp.1273-1278, 2020 (Journal Indexed in SCI)
- II. **Removal of arsenic from water using copper slag**
TÜRK T., ALP İ., SEZER R., Arslan C.
JOURNAL OF THE SOUTHERN AFRICAN INSTITUTE OF MINING AND METALLURGY, vol.120, pp.313-318, 2020 (Journal Indexed in SCI)
- III. **Mechano-chemical conversion of celestite in highly concentrated sodium carbonate media**
Sezer R., Arslan C.
PHYSICOCHEMICAL PROBLEMS OF MINERAL PROCESSING, vol.55, pp.324-335, 2019 (Journal Indexed in SCI)
- IV. **Investigation of leaching characteristics of celestite concentrate in acidic media and SrCO₃ production via precipitation**
Sezer R., Bilen A., Yılmaz E., Ertürk S., Arslan C.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.34, pp.1410-1416, 2019 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Metallothermic Production of Aluminum–Strontium Master Alloy for Modification of Silicon**
Sezer R., Hızlı G., Bilen A., Ertürk S., Dıspınar D., Arslan C.
Metallography, Microstructure, and Analysis, 2020 (Refereed Journals of Other Institutions)
- II. **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 (National Refreed University Journal)
- III. **Effect of Mechanical Activation on Roasting of Celestite Ore**
SEZER R., HIZLI İ. G., BİLEN A., ertürk s., ARSLAN C.
MT Bilimsel, pp.53-59, 2017 (Other Refereed National Journals)

Refereed Congress / Symposium Publications in Proceedings

- I. **Kimyasal Bileşimin SrM Sürekli Miknatısların Manyetik Özellikleri Üzerindeki Etkisi**
ALPTEKİN F., Çakıl D. D., ŞAHİN Ö., SÜN BÜL S. E., İÇİN K., SEZER R.
The International Conference on Material Science and Technology in Kızılcahamam/ANKARA(IMSTEC 2019, 18 - 20 October 2019, pp.593-596
- II. **RECOVERY OF NICKEL FROM LOW CONCENTRATED SOLUTIONS VIA CHELATING ION EXCHANGE RESIN**
YILMAZ E., SEZER R., Ertürk S., ARSLAN C., ARSLAN F.
XVIIIITH BALKAN MINERAL PROCESSING CONGRESS (BMPC 2019), Durres, Albania, 23 - 26 May 2019, pp.215-222
- III. **Calcination of Strontium Carbonate in Rotary Kiln Furnace**
SEZER R., Yılmaz E., Ertürk S., Arslan C.
10th International Symposium on High-Temperature Metallurgical Processing, San-Antonio, Northern Mariana

Islands, 01 January 2019, pp.591-597

- IV. **An Application Of Slip Casting Method On Solid Oxide Fuel Cells**
SEZER R., ekerim a.
International Conference on Engineering Technologies (ICENTE'18), Konya, Turkey, 26 - 28 October 2018, pp.102
- V. **Production Of Strontium Modifier from Different Sources**
HIZLI İ. G. , SEZER R., GÜRSOY Ö., ERTÜRK S., ARSLAN C., DIŞPINAR D.
19th International Metallurgy and Materials Congress (IMMC2018), İstanbul, Turkey, 25 - 27 October 2018, pp.483
- VI. **Thermal Characterization of Manganese Concentrate**
YILMAZ E., SEZER R., ERTÜRK S., ARSLAN C.
1. INTERNATIONAL TECHNOLOGICAL SCIENCES AND DESIGN SYMPOSIUM, Giresun, Turkey, 27 - 29 June 2018
- VII. **Investigation the Reduction Behavior of Manganese Ore Pellets**
YILMAZ E., SEZER R., ERTÜRK S., ARSLAN C.
1. INTERNATIONAL TECHNOLOGICAL SCIENCES AND DESIGN SYMPOSIUM, Giresun, Turkey, 27 - 29 June 2018
- VIII. **Recycling of Metallic Values from Gold Plated Brass Scrap**
SEZER R., YILMAZ E., AKÇA S., ERTÜRK S., ARSLAN C.
1. INTERNATIONAL TECHNOLOGICAL SCIENCES AND DESIGN SYMPOSIUM, Giresun, Turkey, 27 - 29 June 2018, pp.453
- IX. **Kinetics of Thermal Decomposition of Strontium Carbonate**
SEZER R., YILMAZ E., ERTÜRK S., ARSLAN C.
1. INTERNATIONAL TECHNOLOGICAL SCIENCES AND DESIGN SYMPOSIUM, 27 - 29 June 2018, pp.433
- X. **Preparation of SrFe₁₂O₁₉ Powders with Mechano-synthesis method**
ÖZTÜRK S., ÇAKIL D. D. , İCİN K., SEZER R., Topal U., ÖZTÜRK B.
6th International Conference on Superconductivity and Magnetism, 29 April - 04 May 2018, no.1, pp.422
- XI. **The Influence of milling Media on Structural and Magnetic properties of Strontium Hexaferrite Powders**
ÖZTÜRK S., ÇAKIL D. D. , İCİN K., SEZER R., TOPAL U., ÖZTÜRK B.
6th International Conference on Superconductivity and Magnetism, Antalya, Turkey, 29 April - 04 May 2018, vol.6, no.1, pp.482
- XII. **Production of Modifier for Al-Si Alloys**
HIZLI İ. G. , SEZER R., Gürsoy Ö., ERTÜRK S., ARSLAN C., DIŞPINAR D.
1st International Symposium on Light Alloys and Composite Materials (ISLAC'18), Karabük, Turkey, 22 - 24 March 2018, pp.78-79
- XIII. **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
- XIV. **Alumino-thermic Reduction of SrO and SrCO₃**
ERTÜRK S., SEZER R., ARSLAN C.
9th International Symposium on High Temperature Metallurgical Processing, Phoenix, United States Of America, 11 - 15 March 2018
- XV. **Strontium Carbonate Precipitation With Ammonium Carbonate From Strontium Sulphide 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
- XVI. **Strontium Carbonate Precipitation form 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
- XVII. **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
- XVIII. **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

XIX. 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

XX. 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

XXI. 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, Trabzon, Turkey, 2 - 04 November 2016, pp.479-484

XXII. 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, Trabzon, Turkey, 2 - 04 November 2016

XXIII. SÜPER PLASTİK ŞEKİL DEĞİŞTİRMENİN ALÜMİNYUM MALZEME ÖZELLİKLERİNE ETKİSİ

BAYRAK Y., SEZER R., EKERİM A.

5. Uluslararası İleri Teknolojiler Sempozyumu (IATS'09), Karabük, Turkey, 13 - 15 May 2009, pp.727-732

XXIV. The Effect of Severe Plastik Deformation on the Properties of Aluminium

BAYRAK Y., SEZER R., EKERİM A.

5th International Advanced Technologies Symposium (IATS'09), Karabük, Turkey, 13 - 15 May 2009, pp.727-732

Supported Projects

SEZER R., İÇİN K., SÜNBÜL S. E. , ÖZTÜRK S., Project Supported by Higher Education Institutions, Ti15Zr Dental İmplantlarda Bor Katkısının Yapısal ve Mekanik Özellikleri Üzerindeki Etkisinin Belirlenmesi, 2020 - Continues

ÖZTÜRK S., İÇİN K., SÜNBÜL S. E. , SEZER R., Project Supported by Higher Education Institutions, Mg(2-x)NiMx (x=at% 0,05, 0,1, 0,2; M=Fe, Ti, Ag) Alaşımlarının Eriyik Savurma Yöntemiyle Üretilmesi ve Elektrokimyasal Hidrojen Depolama Özelliklerinin İncelenmesi, 2019 - Continues

ÖZTÜRK B., GEDİKLİ H., SEZER R., İÇİN K., KILIÇARSLAN Y. S. , Project Supported by Higher Education Institutions, Mikro Ark Oksidasyon (MAO) Yöntemiyle Alüminyum Esaslı Alaşımların Kaplanması ve Erozyon Aşınma Davranışlarının İncelenmesi, 2018 - 2021

ÖZTÜRK S., İÇİN K., SÜNBÜL S. E. , SEZER R., Project Supported by Higher Education Institutions, Ferromanyetik Şekil Hafızalı CuAlMn Alaşımlarının Hızlı Katılaştırma Yöntemi ile Üretimi ve Özelliklerinin Geliştirilmesi, 2018 - 2019

ÖZTÜRK S., İÇİN K., SEZER R., ÇAKIL D. D. , Project Supported by Higher Education Institutions, Yerli Selestit Cevherinden Mekanokimyasal Sentezleme Yöntemi ile SrFeO Esaslı Kalıcı Mıknatısların Üretimi, 2018 - 2019

Arslan C., Dışpınar D., Ertürk S., Kahruman C., Erzi E., TUBİTAK Project, Yerli Selestit Cevherinden Hareketle Alüminyum Döküm Sektörü İçin Modifikatör Üretimi, 2015 - 2017

Scientific Refereeing

INTERNATIONAL JOURNAL OF APPLIED CERAMIC TECHNOLOGY, Journal Indexed in SCI-E, August 2020

JOURNAL OF ANATOLIAN ENVIRONMENTAL AND ANIMAL SCIENCES, National Scientific Refreed Journal, June 2020

Journal of Mining and Metallurgy, Section A: Mining, Other Indexed Journal, February 2020

JOURNAL OF ALLOYS AND COMPOUNDS, SCI Journal, October 2019

Sakarya University Journal of Science (SAUJS), National Scientific Refreed Journal, March 2019

Citations

Total Citations (WOS):6

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