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International Researcher IDs

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Publons / Web Of Science ResearcherID: ABA-9352-2020

Yoksis Researcher ID: 57529

Education Information

Doctorate, Eskisehir Osmangazi University, Fen Bilimleri Enstitüsü, Maden Mühendisliği / Cevher Hazırlama Abd, Turkey
2010 - 2016

Postgraduate, Eskisehir Osmangazi University, Fen Bilimleri Enstitüsü, Maden Mühendisliği / Cevher Hazırlama Abd,
Turkey 2007 - 2010

Undergraduate Double Major, Eskisehir Osmangazi University, Mühendislik Ve Mimarlık Fakültesi, Metalurji Ve Malzeme
Mühendisliği, Turkey 2003 - 2006

Undergraduate, Eskisehir Osmangazi University, Mühendislik Ve Mimarlık Fakültesi, Maden Mühendisliği, Turkey 2002 -
2006

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Çaldağ Lateritik Nikel Cevherinden Liç ve Solvent Ekstraksiyon ile Nikel ve Kobalt Kazanımı , Eskişehir
Osmangazi Üniversitesi, Fen Bilimleri Enstitüsü, Maden Mühendisliği / Cevher Hazırlama Abd, 2016

Postgraduate, Atık/Kullanılmış Çinko-Karbon ve Alkali Pillerden Çinko ve Manganın Geri Kazanılması , Eskişehir
Osmangazi Üniversitesi, Fen Bilimleri Enstitüsü, Maden Mühendisliği / Cevher Hazırlama Abd, 2010

Research Areas

Chemical-Biological Winning Techniques and Mineral Processing, Recycling Processes, Hydrometallurgy

Academic Titles / Tasks

Associate Professor, Abdullah Gul University, Mühendislik Fakültesi, Nanoteknoloji Mühendisliği, 2021 - Continues

Research Assistant PhD, Abdullah Gul University, Mühendislik Fakültesi, Nanoteknoloji Mühendisliği, 2016 - 2021

Research Assistant, Eskisehir Osmangazi University, Mühendislik Ve Mimarlık Fakültesi, Maden Mühendisliği Bölümü /

Cevher Hazırlama Abd, 2012 - 2016

Research Assistant, Abdullah Gul University, Mühendislik Fakültesi, Maden Mühendisliği, 2011 - 2012

Research Assistant, Eskisehir Osmangazi University, Mühendislik Ve Mimarlık Fakültesi, Maden Mühendisliği Bölümü /

Cevher Hazırlama Abd, 2009 - 2011

Courses

Hydrometallurgy, Undergraduate, 2018 - 2019, 2017 - 2018

Waste Treatment and Recycling, Undergraduate, 2018 - 2019, 2017 - 2018

Rare Earth Metals and Resources, Undergraduate, 2018 - 2019

Separation and Purification, Undergraduate, 2018 - 2019

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Separation of Mn and Fe from a Manganiferous Iron Ore Using Horse Dung as Reductant: A Zero Waste Approach**
TOP S., ALTINER M., KURŞUNOĞLU S.
JOM, vol.74, no.2, pp.474-483, 2022 (SCI-Expanded)
- II. **Production of Mn₃O₄ nanoparticles from a manganiferous iron ore via reductive leaching, precipitation, and calcination**
Altner M., Top S., Bouchekrit C., Kurşunoğlu S.
Hydrometallurgy, vol.208, 2022 (SCI-Expanded)
- III. **Pb-Zn recovery from a malic leach solution of a carbonate type ore flotation tailing by precipitation and solvent extraction**
Hussaini S., Tita A. M., Kurşunoğlu S., Top S., Ichlas Z. T., Kar U., Kaya M.
Separation and Purification Technology, vol.272, 2021 (SCI-Expanded)
- IV. **Selective leaching of a mixed nickel-cobalt hydroxide precipitate in sulphuric acid solution with potassium permanganate as oxidant**
Hussaini S., Ichlas Z. T., TOP S., KURŞUNOĞLU S., Kaya M.
Separation Science and Technology (Philadelphia), vol.56, pp.2475-2484, 2021 (SCI-Expanded)
- V. **Testing of 17-different leaching agents for the recovery of zinc from a carbonate-type Pb-Zn ore flotation tailing**
Hussaini S., KURŞUNOĞLU S., TOP S., Ichlas Z. T., KAYA M.
Minerals Engineering, vol.168, 2021 (SCI-Expanded)
- VI. **Selection of an appropriate acid type for the recovery of zinc from a flotation tailing by the analytic hierarchy process**
KURŞUNOĞLU S., Kursunoglu N., Hussaini S., Kaya M.
Journal of Cleaner Production, vol.283, 2021 (SCI-Expanded)
- VII. **Production of mixed rare earth oxide powder from a thorium containing complex Bastnasite ore**
KURŞUNOĞLU S., Hussaini S., TOP S., Ichlas Z. T., GÖKÇEN H. S., Ozsarac S., KAYA M.
POWDER TECHNOLOGY, vol.379, pp.641-654, 2021 (SCI-Expanded)
- VIII. **Recovery of zinc and lead from Yahyalı non-sulphide flotation tailing by sequential acidic and sodium hydroxide leaching in the presence of potassium sodium tartrate**
KURŞUNOĞLU S., TOP S., KAYA M.
TRANSACTIONS OF NONFERROUS METALS SOCIETY OF CHINA, vol.30, no.12, pp.3367-3378, 2020 (SCI-Expanded)
- IX. **Critical review on secondary zinc resources and their recycling technologies**
Kaya M., Hussaini S., KURŞUNOĞLU S.
HYDROMETALLURGY, vol.195, 2020 (SCI-Expanded)
- X. **Effects of leaching parameters on the dissolution of nickel, cobalt, manganese and iron from Caldag**

- lateritic nickel ore in hydrochloric acid solution**
 TOP S., KURŞUNOĞLU S., Ichlas Z. T.
 CANADIAN METALLURGICAL QUARTERLY, vol.59, no.3, pp.368-376, 2020 (SCI-Expanded)
- XI. Synergistic effect of organic acid on the dissolution of mixed nickel-cobalt hydroxide precipitate in sulphuric acid solution**
 KURŞUNOĞLU S.
 Metallurgical Research and Technology, vol.116, no.3, 2019 (SCI-Expanded)
- XII. Dissolution of lateritic nickel ore using ascorbic acid as synergistic reagent in sulphuric acid solution**
 KURŞUNOĞLU S., Ichlas Z. T., Kaya M.
 TRANSACTIONS OF NONFERROUS METALS SOCIETY OF CHINA, vol.28, no.8, pp.1652-1659, 2018 (SCI-Expanded)
- XIII. Leaching method selection for Caldag lateritic nickel ore by the analytic hierarchy process (AHP)**
 KURŞUNOĞLU S., Ichlas Z. T., Kaya M.
 Hydrometallurgy, vol.171, pp.179-184, 2017 (SCI-Expanded)
- XIV. Solvent extraction process for the recovery of nickel and cobalt from Caldag laterite leach solution: The first bench scale study**
 KURŞUNOĞLU S., Ichlas Z. T., Kaya M.
 Hydrometallurgy, vol.169, pp.135-141, 2017 (SCI-Expanded)
- XV. Atmospheric pressure acid leaching of Caldag lateritic nickel ore**
 Kursunoglu S., Kaya M.
 International Journal of Mineral Processing, vol.150, pp.1-8, 2016 (SCI-Expanded)
- XVI. Dissolution behavior of Caldag lateritic nickel ore subjected to a sequential organic acid leaching method**
 Kursunoglu S., Kaya M.
 International Journal of Minerals, Metallurgy and Materials, vol.22, no.11, pp.1131-1140, 2015 (SCI-Expanded)
- XVII. Dissolution and precipitation of zinc and manganese obtained from spent zinc-carbon and alkaline battery powder**
 Kursunoglu S., Kaya M.
 Physicochemical Problems of Mineral Processing, vol.50, no.1, pp.41-55, 2014 (SCI-Expanded)
- XVIII. Recovery of manganese from spent batteries using guar meal as a reducing agent in a sulfuric acid medium**
 Kursunoglu S., Kaya M.
 Industrial and Engineering Chemistry Research, vol.52, no.50, pp.18076-18084, 2013 (SCI-Expanded)
- XIX. Recovery of manganese from spent batteries using activated carbon powder as reductant in sulfuric acid solution**
 KURŞUNOĞLU S., Kaya M.
 Asian Journal of Chemistry, vol.25, no.4, pp.1975-1980, 2013 (SCI-Expanded)

Articles Published in Other Journals

- I. EXTRACTION OF LANTHANUM AND CERIUM FROM A BASTNASITE ORE BYDIRECT ACIDIC LEACHING
 KURŞUNOĞLU S., TOP S., Hussaini S., GÖKÇEN H. S., ALTINER M., ÖZSARAÇ Ş., KAYA M.
 Bilimsel Madencilik Dergisi, vol.59, no.2, pp.85-92, 2020 (Scopus)
- II. HYDROMETALLURGICAL PROCESSING OF NICKEL LATERITES— A BRIEF OVERVIEW ON THE USE OF SOLVENT EXTRACTION AND NICKEL/COBALT PROJECT FOR THE SEPARATION AND PURIFICATION OF NICKEL AND COBALT
 Kurşunoğlu S., Kaya M.
 Scientific Mining Journal, vol.58, no.2, pp.131-144, 2019 (Scopus)
- III. EXTRACTION OF NICKEL FROM A MIXED NICKEL-COBALT HYDROXIDE PRECIPITATE
 KURŞUNOĞLU S.

Books & Book Chapters

- I. **Recycling of Polymer and Non-metallic Fraction (NmF) of E-waste**
Kaya M., Kurşunoğlu S., Hussaini S.
in: HORIZONS IN EARTH SCIENCE RESEARCH, Benjamin Veress, Jozsi Szigethy, Editor, NOVA Science Publishers Inc., New York, pp.1-270, 2021

Refereed Congress / Symposium Publications in Proceedings

- I. **Effect of petrochemical compounds on environment and human health**
Kurşunoğlu S., Kurşunoğlu N.
INTERNATIONAL SIIRT CONFERENCE ON SCIENTIFIC RESEARCH Siirt University, Siirt, Turkey, 5 - 07 November 2021, pp.1-8
- II. **Leaching of Turkish Oxidized Pb-Zn Flotation Tailings by Inorganic and Organic Acids**
Kaya M., KURŞUNOĞLU S., Hussaini S., Gül E.
9th International Symposium on Lead and Zinc Processing, PbZn 2020, held in conjunction with the 149th Annual Meeting and Exhibition, TMS 2020, California, United States Of America, 23 - 27 February 2020, pp.447-468
- III. **Effect of High Temperature on the Strength of Geopolymer Concrete Produced from Industrial Tailings**
Top S., Timür İ., Köken E., Kurşunoğlu S., Vapur H.
6 th International Conference on Materials Science and Nanotechnology For Next Generation (MSNG2019), Niğde, Turkey, 16 - 18 November 2019, pp.364-370
- IV. **Synthesis of Calcium Magnesium Acetate (CMA) Deicer from Dolomite**
Kurşunoğlu S., Köken E., Top S.
6 th International Conference on Materials Science and Nanotechnology For Next Generation (MSNG2019), Niğde, Turkey, 16 - 18 November 2019, pp.357-363
- V. **Leaching of Oxidized Turkish Pb-Zn Flotation Tails By Inorganic Acids**
KAYA M., Gül E., KURŞUNOĞLU S., Hussaini S.
IMPC Eurasia Conference, Antalya, Turkey, 31 October - 02 November 2019, pp.491-502
- VI. **LEACHING OF YAHYALI NON-SULPHIDE Pb-Zn FLOTATION TAILING USING ORGANIC ACIDS**
Hussaini S., KURŞUNOĞLU S., Kaya M.
26th International Mining Congress and Exhibition (IMCET 2019), Antalya, Turkey, 16 - 19 April 2019, pp.1-12
- VII. **Solvent Extraction of Nickel and Cobalt from a Multicomponent Synthetic Leach Solution**
KURŞUNOĞLU S.
XVI International Mineral Processing Symposium, Antalya, Turkey, 23 - 25 October 2018, pp.333-339
- VIII. **Extraction of Nickel and Cobalt from a Lateritic Nickel Ore in Nitric Acid Solution**
Hussaini S., Gül E., KURŞUNOĞLU S., Ichlas Z. T., KAYA M.
XVI International Mineral Processing Symposium, Antalya, Turkey, 23 - 25 October 2018, pp.333-339
- IX. **Synergistic Effect of Organic Acid for Leaching of Nickel and Cobalt from Lateritic Nickel Ore with Sulphuric Acid Solution**
KURŞUNOĞLU S., Ichlas Z. T., Kaya M.
XVII Balkan Mineral Processing Congress, Antalya, Turkey, 1 - 03 November 2017, pp.523-533
- X. **Solvent Extraction of Nickel and Cobalt from Caldag Laterite Leach Solutions Using Versatic10 and Cyanex 272**
KURŞUNOĞLU S., Ichlas Z. T., Ibana D., Kaya M.
15 th International Mineral Processing Symposium, İstanbul, Turkey, 17 - 21 October 2016, pp.658-672
- XI. **Thorium fuel for nuclear Energy**

- Kaya M., Kursunoglu S.
27th International Mineral Processing Congress, IMPC 2014, Santiago, Chile, 20 - 24 October 2014
- XII. RECENT DEVELOPMENTS on THORIUM NUCLEAR FUEL and REACTOR TECHNOLOGIES
Kaya M., KURŞUNOĞLU S.
XIV International Mineral Processing Symposium 2014 (IMPS-2014), Kusadası, Turkey, Aydin, Turkey, 13 - 17 October 2014, pp.1-5
- XIII. EVALUATION OF SPENT ALKALINE AND ZINC-CARBON BATTERY RECYCLING USING ASCORBIC ACID, ACTIVATED CARBON AND GUAR MEAL REDUCTANTS
Kaya M., KURŞUNOĞLU S.
23th World Mining Congress, Montreal, Canada, Montreal, Canada, 13 - 17 May 2013, pp.1-14
- XIV. COMPARISON OF SPENT HOUSEHOLD BATTERY RECYCLING USING REDUCTIVE ACID LEACHING TECHNIQUES
KURŞUNOĞLU S., Kaya M., Sözeri A.
4th International Conference on Engineering for Waste and Biomass Valorisation, Porto, Portugal, Porto, Portugal, 10 - 14 September 2012, pp.1-15
- XV. DISSOLUTION OF mixed zinc-carbon and alkaline battery powders in sulphuric acid using ascorbic/oxalic acid as a reductant
Kaya M., KURŞUNOĞLU S.
2012 EPD Congress - TMS 2012 Annual Meeting and Exhibition, Orlando, FL, United States Of America, 11 - 15 March 2012, pp.271-287
- XVI. A review of the current hydrometallurgical recycling of spent AA and AAA size Zn-C and alkaline batteries
Kaya M., Kursunoglu S.
European Metallurgical Conference, EMC 2011, Düsseldorf, Germany, 26 - 29 June 2011, vol.4, pp.1417-1436

Supported Projects

Top S., Kurşunoğlu S., Altiner M., TUBITAK Project, Manganlı Demir Cevherinden Yüksek Tenörlü Mangan (Mn) ve Demir (Fe) Kazanımı İçin Bir Üretim Yönteminin Geliştirilmesi, 2019 - 2021

Kurşunoğlu S., Kaya M., EU Supported Other Project, Integrated eco-technology for a selective recovery of base and precious metals in Cu and Pb mining by-products (Total Budget: 1 Million Euro), 2018 - 2021

Kurşunoğlu S., Kaya M., TUBITAK Project, Laterit Liç Çözeltilisinden Sinerjik Solvent Esktraksiyon (SSX) Yöntemi Kullanılarak Nikel ve Kobalt Kazanımı, 2017 - 2020

Memberships / Tasks in Scientific Organizations

AusIMM The Minerals Institute, Australia, Member, 2012 - Continues
MADEN MÜHENDİSLERİ ODASI, Member, 2007 - Continues

Scientific Refereeing

Resources and Environmental Economics, Other Indexed Journal, July 2019
TRANSACTIONS OF NONFERROUS METALS SOCIETY OF CHINA, Journal Indexed in SCI-E, July 2019
PHYSICOCHEMICAL PROBLEMS OF MINERAL PROCESSING, Journal Indexed in SCI-E, June 2019
METALLURGICAL RESEARCH & TECHNOLOGY, Journal Indexed in SCI-E, May 2019
Mining, Metallurgy & Exploration, Journal Indexed in SCI-E, March 2019
Physicochemical Problems Of Mineral Processing, Journal Indexed in SCI-E, March 2019
Iranian Journal of Chemistry & Chemical Engineering-International English Edition (IJCCE), SCI Journal, February 2019

Iranian Journal of Chemistry & Chemical Engineering-International English Edition (IJCCE), Journal Indexed in SCI-E, February 2019

METALLURGICAL RESEARCH & TECHNOLOGY, Journal Indexed in SCI-E, January 2019

Resources and Environmental Economics, Other Indexed Journal, January 2019

Journal of Hazardous Materials, SCI Journal, January 2019

Mining, Metallurgy & Exploration, SCI Journal, January 2019

Mining, Metallurgy & Exploration, SCI Journal, December 2018

Journal of Hazardous Materials, SCI Journal, December 2018

Physicochemical Problems of Mineral Processing, SCI Journal, October 2018

MINERALS, SCI Journal, July 2018

Vacuum, SCI Journal, June 2018

Physicochemical Problems Of Mineral Processing, Journal Indexed in SCI-E, May 2018

Waste Management, SCI Journal, May 2018

Physicochemical Problems of Mineral Processing, SCI Journal, April 2018

Physicochemical Problems of Mineral Processing, SCI Journal, April 2018

Physicochemical Problems of Mineral Processing, SCI Journal, March 2018

Physicochemical Problems of Mineral Processing, SCI Journal, March 2018

Iranian Journal of Chemistry & Chemical Engineering-International English Edition (IJCCE), SCI Journal, February 2018

Physicochemical Problems of Mineral Processing, SCI Journal, February 2018

Iranian Journal of Chemistry & Chemical Engineering-International English Edition (IJCCE), SCI Journal, January 2018

Physicochemical Problems of Mineral Processing, SCI Journal, November 2017

Journal of Hazardous Materials, SCI Journal, October 2017

Mineral Processing & Extractive Metallurgy Review, SCI Journal, October 2017

International Journal of Minerals, Metallurgy and Materials., SCI Journal, September 2017

International Journal of Minerals, Metallurgy and Materials, SCI Journal, July 2017

International Journal of Minerals, Metallurgy and Materials, SCI Journal, February 2017

Separation Science and Technology, SCI Journal, February 2017

International Journal of Minerals, Metallurgy and Materials, SCI Journal, December 2016

International Journal of Minerals, Metallurgy and Materials, SCI Journal, October 2016

International Journal of Minerals, Metallurgy and Materials, SCI Journal, August 2016

Environmental Technology , SCI Journal, July 2016

International Journal of Minerals, Metallurgy and Materials, SCI Journal, April 2016

International Journal of Minerals, Metallurgy and Materials, SCI Journal, July 2015

Journal of Hazardous Materials , SCI Journal, June 2015

Hydrometallurgy, SCI Journal, June 2015

Environmental Technology , SCI Journal, March 2015

Asia-Pacific Journal Of Chemical Engineering, SCI Journal, June 2014

Physicochemical Problems of Mineral Processing , SCI Journal, May 2014

Metrics

Publication: 43

Citation (WoS): 64

Citation (Scopus): 77

H-Index (WoS): 5

H-Index (Scopus): 6

Congress and Symposium Activities

XVI International Mineral Processing Symposium, Attendee, Antalya, Turkey, 2018

XVII Balkan Mineral Processing Congress, Attendee, Antalya, Turkey, 2017

XV International Mineral Processing Symposium, Attendee, İstanbul, Turkey, 2016

Scholarships

2214-A YURTDIŞI DOKTORA SIRASI ARAŞTIRMA BURSU / Western Australian School of Mines, Department of Extractive Metallurgy & Minerals Engineering, TUBITAK, 2015 - Continues

YÜKSEK LİSANS SIRASI ARAŞTIRMA BURSU / Western Australian School of Mines, Department of Extractive Metallurgy & Minerals Engineering, YOK, 2010 - Continues

Awards

KURŞUNOĞLU S., The Best PhD Thesis in Mining Engineering/Maden Mühendisliği Alanında En İyi Doktora Tez Çalışması Ödülü, Turkish Mining Development Foundation/Yurt Madenciliğinin Geliştirme Vakfı, May 2017

KURŞUNOĞLU S., MADEN MÜHENDİSLİĞİ BÖLÜM 2. sı-Not Ortalaması: 3.37/4 / HONOURS DEGREE- Score: 3.37/4,
ESKİŞEHİR OSMANGAZİ ÜNİVERSİTESİ, June 2005

KURŞUNOĞLU S., YÜKSEK ŞEREF ÖĞRENCİSİ, ESKİŞEHİR OSMANGAZİ ÜNİVERSİTESİ, May 2005

Non Academic Experience

Business Establishment Private, Tem-Mer Mermer / Üretim Mühendisi