

Res. Asst. PhD SAİT KURŞUNOĞLU

Personal Information

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Education Information

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

Post Graduate, Eskişehir Osmangazi Üniversitesi, Fen Bilimleri Enstitüsü, Maden Mühendisliği / Cevher Hazırlama Abd, Turkey 2007 - 2010

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

Under Graduate, Eskişehir Osmangazi Üniversitesi, 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

Post Graduate, 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

Research Assistant PhD, Abdullah Gül Üniversitesi, Mühendislik Fakültesi, Malzeme Bilimi Ve Nanoteknoloji Mühendisliği Bölümü, 2016 - Continues

Research Assistant, Eskişehir Osmangazi Üniversitesi, Mühendislik Ve Mimarlık Fakültesi, Maden Mühendisliği Bölümü / Cevher Hazırlama Abd, 2012 - 2016

Research Assistant, Abdullah Gül Üniversitesi, Mühendislik Fakültesi, Maden Mühendisliği Bölümü / Cevher Hazırlama Abd, 2011 - 2012

Research Assistant, Eskişehir Osmangazi Üniversitesi, Mühendislik Ve Mimarlık Fakültesi, Maden Mühendisliği Bölümü / Cevher Hazırlama Abd, 2009 - 2011

Professional Experience

Courses

Hydrometallurgy, Under Graduate, 2017 - 2018, 2018 - 2019
Waste Treatment and Recycling, Under Graduate, 2017 - 2018, 2018 - 2019
Rare Earth Metals and Resources, Under Graduate, 2018 - 2019
Separation and Purification, Under Graduate, 2018 - 2019

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

- **Critical review on secondary zinc resources and their recycling technologies**
Kaya M., Hussaini S., KURŞUNOĞLU S.
HYDROMETALLURGY, vol.195, 2020 (Journal Indexed in SCI)
- **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, 2020 (Journal Indexed in SCI)
- **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), 2020 (Journal Indexed in SCI Expanded)
- **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, 2019 (Journal Indexed in SCI)
- **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, pp.1652-1659, 2018 (Journal Indexed in SCI)
- **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 (Journal Indexed in SCI)
- **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 (Journal Indexed in SCI)
- **Atmospheric pressure acid leaching of Caldag lateritic nickel ore**
Kursunoglu S., Kaya M.
International Journal of Mineral Processing, vol.150, pp.1-8, 2016 (Journal Indexed in SCI)
- **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, pp.1131-1140, 2015 (Journal Indexed in SCI)
- **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, pp.41-55, 2014 (Journal Indexed in SCI)

● **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, pp.18076-18084, 2013 (Journal Indexed in SCI)

● **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, pp.1975-1980, 2013 (Journal Indexed in SCI)

Articles Published in Other Journals

● **EXTRACTION OF LANTHANUM AND CERIUM FROM A BASTNASITE ORE BY DIRECT ACIDIC LEACHING**

Kurşunoğlu S., Top S., Gökçen H. S., Altner M., Kaya M.

Bilimsel Madencilik Dergisi, vol.59, pp.85-92, 2020 (Other Refereed National Journals)

● **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, pp.131-144, 2019 (Other Refereed National Journals)

● **EXTRACTION OF NICKEL FROM A MIXED NICKEL-COBALT HYDROXIDE PRECIPITATE**

KURŞUNOĞLU S.

Scientific Mining Journal, vol.58, pp.45-52, 2019 (Other Refereed National Journals)

Refereed Congress / Symposium Publications in Proceedings

● **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

● **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

● **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

● **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

● **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.333-3396

● **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

● **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

● **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

● **Thorium fuel for nuclear Energy**

Kaya M., Kursunoglu S.

● 27th International Mineral Processing Congress, IMPC 2014, Santiago, Chile, 20 - 24 October 2014

● **RECENT DEVELOPMENTS on THORIUM NUCLEAR FUEL and REACTOR TECHNOLOGIES**

Kaya M., KURŞUNOĞLU S.

● XIV International Mineral Processing Symposium 2014 (IMPS-2014), Kusadası, Turkey, Aydın, Turkey, 13 - 17 October 2014, pp.1-5

● **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

● **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

● **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

● **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

KURŞUNOĞLU S., EU Framework Program 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 - Continues

Kurşunoğlu S., TUBITAK Project, Laterit Liç Çözeltisinden Sinerjik Solvent Ekstraksiyon (SSX) Yöntemi Kullanılarak Nikel ve Kobalt Kazanımı, 2017 - 2020

Memberships / Tasks in Scientific Organizations

Member, 2012 - Continues

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
Hydrometallurgy, SCI Journal, June 2015
Journal of Hazardous Materials , 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

Invited 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

Citations

Total Citations (WOS):47

h-index (WOS):5

Scholarships

2214-A YURTDIŐI DOKTORA SIRASI ARAŐTIRMA BURSUS / Western Australian School of Mines, Department of Extractive Metallurgy & Minerals Engineering, TUBITAK, 2015 - Continues

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

Awards

KURŐUNOĐLU S., The Best PhD Thesis in Mining Engineering/Maden MühendisliĐi Alanında En İyi Doktora Tez Çalışması Ödülü, Turkish Mining Development Foundation/Yurt MadenciliĐinin Geliőtirme Vakfı, May 2017

KURŐUNOĐLU S., MADEN MÜHENDİSLİĐİ BÖLÜM 2. sı-Not Ortalaması: 3.37/4/ HONOURS DEGREE- Score: 3.37/4, ESKİŐEHİR OSMANGAZİ ÜNİVERSİTESİ, June 2005

KURŐUNOĐLU S., YÜKSEK ŐEREF ÖĐRENCİSİ, ESKİŐEHİR OSMANGAZİ ÜNİVERSİTESİ, May 2005