

Prof. EROL KAYA

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: V-3271-2017

ScopusID: 7004568119

Yoksis Researcher ID: 4270

Education Information

Doctorate, Pennsylvania State University, Mineral Processing, United States Of America 1993 - 1996

Postgraduate, Pennsylvania State University, Environmental Pollution Control, United States Of America 1993 - 1996

Postgraduate, Pennsylvania State University, Mineral Processing, United States Of America 1990 - 1993

Undergraduate, Istanbul Technical University, Maden Fakültesi, Maden Mühendisliği Bölümü, Turkey 1983 - 1987

Foreign Languages

English, C1 Advanced

Dissertations

Postgraduate, Kurşun ve Demir'xxin Monokalsiyum Fosfat Monohidrat ile Termodinamik Dengesi, Pennsylvania State University, Environmental Pollution Control, 1996

Doctorate, İnce öğütme sırasında tane özelliklerinin kontrolü, Pennsylvania State University, Mineral Processing, 1996

Postgraduate, Havadaki Toz Tanelerinin Aglomerasyonunun Değerlendirilmesi, Pennsylvania State University, Mineral Processing, 1993

Research Areas

Mining Engineering and Technology, Engineering and Technology

Academic Titles / Tasks

Professor, Dokuz Eylul University, Mühendislik Fakültesi, Maden Mühendisliği Bölümü, 2010 - Continues

Associate Professor, Dokuz Eylul University, Mühendislik Fakültesi, Maden Mühendisliği Bölümü, 2005 - 2010

Lecturer PhD, Dokuz Eylul University, Mühendislik Fakültesi, Maden Mühendisliği Bölümü, 2003 - 2005

Academic and Administrative Experience

Courses

MİNERAL PARTICLE SYSTEMS, Postgraduate, 2020 - 2021, 2016 - 2017, 2013 - 2014, 2012 - 2013, 2011 - 2012
CEVHER HAZIRLAMA VE ZENGİNLEŞTİRME TESİS PLANLAMA, Postgraduate, 2016 - 2017, 2012 - 2013, 2011 - 2012
MADENCİLİK FAALİYETLERİNİN ÇEVRESEL ETKİLERİ, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012
İLERİ BOYUT KÜÇÜLTME, Postgraduate, 2016 - 2017, 2013 - 2014, 2009 - 2010
CEVHER HAZIRLAMA I, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012
CEVHER HAZIRLAMA PDÖ, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012
YÜZEY VE FLOTASYON KİMYASI, Postgraduate, 2015 - 2016, 2013 - 2014
MİNİNG AND ENVİRONMENT, Postgraduate, 2008 - 2009

Advising Theses

Kaya E., Ağır metal içeren atıkların triple süper fosfat (TSP) ile stabilizasyonu, Doctorate, M.CHAPIOU(Student), 2022
KAYA E., Eskişehir-Beylikova Kızılcaören cevherinden toryum-nadir toprak elementleri konsantresi eldesi, toryumun ayrılması, sol-jel geçişi ile toryum dioksit tozlarının hazırlanması, Doctorate, Ü.EMRE(Student), 2020
KAYA E., Beneficiation of lead ore by flotation from Canakkale region, Postgraduate, M.ÖZÇUBUKÇUOĞLU(Student), 2016
KAYA E., Aşıkoy bakır cevherinin üzerinde sülfürlü kollektorlerin etkisinin araştırılması, Postgraduate, O.YAVUZKAN(Student), 2016
KAYA E., Investigating the recovery of copper from sulphide copper flotation concentrates by hydrometallurgical treatments, Doctorate, Y.TÜRKMEN(Student), 2011
KAYA E., Cevher hazırlamada farklı cevherleri kullanarak öğütme modellemesi uygulamaları, Postgraduate, A.KEMAL(Student), 2011
KAYA E., Efemçukuru altın cevherinin flotasyon yöntemi ile zenginleştirilmesinin araştırılması, Postgraduate, M.BARAN(Student), 2010
KAYA E., Enrichment of uranium with mineral processing methods, Postgraduate, D.DAĞAŞAN(Student), 2007
KAYA E., The increasing beneficiation of feldspar ore recovery, Postgraduate, İ.KURCAN(Student), 2006

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Investigating triple superphosphate for lead removal from aqueous solutions**
Garba M. C. S., KAYA E., Gokelma M., SEYRANKAYA A.
JOURNAL OF ENVIRONMENTAL SCIENCE AND HEALTH PART A-TOXIC/HAZARDOUS SUBSTANCES & ENVIRONMENTAL ENGINEERING, vol.57, no.3, pp.167-173, 2022 (SCI-Expanded)
- II. **A Novel Approach for the Removal of Impurities from Feldspar Ores**
KAYA E., MALAYOĞLU U., Aksay E., Kurcan I.
ASIAN JOURNAL OF CHEMISTRY, vol.24, no.11, pp.5283-5285, 2012 (SCI-Expanded)
- III. **Assessment of natural radioactivity in commercial granites used in Turkey**
ONARGAN T., GÜR FİLİZ F., KAYA E., Guneri S.
JOURNAL OF ENVIRONMENTAL SCIENCE AND HEALTH PART A-TOXIC/HAZARDOUS SUBSTANCES & ENVIRONMENTAL ENGINEERING, vol.47, no.12, pp.1825-1830, 2012 (SCI-Expanded)
- IV. **Comminution behaviour of microwave heated two sulphide copper ores**
KAYA E.
INDIAN JOURNAL OF CHEMICAL TECHNOLOGY, vol.17, no.6, pp.455-461, 2010 (SCI-Expanded)

- V. **Leaching of Chalcopyrite Concentrate in Sulphuric Acid with the Aid of Mechanical Activation and Microwave Energy**
Turkmen Y., KAYA E.
ASIAN JOURNAL OF CHEMISTRY, vol.22, no.10, pp.8107-8116, 2010 (SCI-Expanded)
- VI. **Effect of Microwave Radiation on the Floatation of Copper Sulfide Ores**
KAYA E.
ASIAN JOURNAL OF CHEMISTRY, vol.22, no.10, pp.7874-7882, 2010 (SCI-Expanded)
- VII. **Reduced Cyanide Use with Alternative Gold Production Method Combination of Gravity and Leach Methods**
Sayin E., Batar T., KAYA E., TUFAN M. B.
EKOLOJİ, vol.19, no.77, pp.65-71, 2010 (SCI-Expanded)
- VIII. **Influence of Fatty Acid Based Collector on The Flotation of Heavy Minerals from Alkali Feldspar Ores**
Aksay E., Akar A., KAYA E., Cocen I.
ASIAN JOURNAL OF CHEMISTRY, vol.21, no.3, pp.2263-2269, 2009 (SCI-Expanded)
- IX. **The role of particle shape in size analysis and the evaluation of comminution processes**
Hogg R., Turek M., KAYA E.
PARTICULATE SCIENCE AND TECHNOLOGY, vol.22, no.4, pp.355-366, 2004 (SCI-Expanded)
- X. **Reproducibility of Bond grindability work index**
KAYA E., Fletcher P., Thompson P.
MINERALS & METALLURGICAL PROCESSING, vol.20, no.3, pp.140-142, 2003 (SCI-Expanded)

Articles Published in Other Journals

- I. **Use of Monocalcium Phosphate Monohydrate for Chemical Immobilization of Heavy Metals Ions in Copper Smelting Slags**
Souley GARBA M. C., KAYA E., SEYRANKAYA A., TURAN F.
Dokuz Eylül Üniversitesi Mühendislik Fakültesi Fen ve Mühendislik Dergisi, vol.24, no.72, pp.973-981, 2022 (Peer-Reviewed Journal)
- II. **Flowsheet Assesment To Recover More Gold**
TUFAN M. B., KAYA E., OYMAN T., SAYIN Z. E., BATAR T.
TheJournal of Ore Dressing, vol.13, no.26, pp.5-14, 2011 (Peer-Reviewed Journal)
- III. **Technological Properties of Izmir-Menderes Pumice Ores**
Kılınç Aksay E., Akar A., Cöcen E. İ., Kaya E.
The Journal of Ore Dressing, vol.11, no.21, pp.17-23, 2009 (Peer-Reviewed Journal)
- IV. **Hidrojen ve Alternatif Enerji Kaynağı Sodyum Borhidrür**
Özel M., Kahraman B., Kaya E.
Geosound Yerbilimleri, vol.3, no.2, pp.51-57, 2004 (Peer-Reviewed Journal)
- V. **Feasibility Study For A Turkish Placer Gold Ore Deposit**
Akar A., Kılınç Aksay E., Kaya E., Şişman M.
The Journal of Ore Dressing, vol.6, no.11, pp.87-94, 2004 (Peer-Reviewed Journal)
- VI. **Particle Shape Modification in Comminution**
Kaya E.
KONA POWDER AND PARTICLE JOURNAL, no.22, pp.188-195, 2002 (Scopus)

Books & Book Chapters

- I. **Fine Particle Technology and Characterization**
Kaya E.

Refereed Congress / Symposium Publications in Proceedings

- I. **Immobilization of Heavy Metals from Coal Fly Ash using Triple Superphosphate**
Souley GARBA M. C., KAYA E., TURAN F., SEYRANKAYA A.
5th International Students Science Congress, İzmir, Turkey, 21 - 22 May 2021, vol.1, pp.102-110
- II. **Solution Chemistry of Lead Removal by Triple Superphosphate**
Souley GARBA M. C., KAYA E., TURAN F., GÖKELMA M., TRANELL G.
UDEF 6. Uluslararası Öğrenci Sempozyumu, İzmir, Turkey, 16 October - 17 November 2020, vol.1, pp.182-196
- III. **Characterization of Triple Superphosphate for Removal of Heavy Metals**
KAYA E., Souley GARBA M. C., TURAN F., SEYRANKAYA A., GÖKELMA M., TRANELL G.
4.th International Student Science Congress, İzmir, Turkey, 18 September 2020 - 19 September 2021, vol.1, pp.440-445
- IV. **Antik Dönemde Taş: İznik (Nikaia) Roma Tiyatrosu**
KÖŞKLÜK KAYA N., ÖZ A. K., EKİN MERİÇ A., KAYA E.
IV. ULUSLARARASI TAŞ KONGRESİ, İzmir, Turkey, 20 - 25 March 2017, pp.659-666
- V. **Taşın Geleneksel Mimaride Kullanımı: Kula Örneği** Use of Stone in Traditional Architecture: Kula
KÖŞKLÜK KAYA N., KAYA E.
IV. ULUSLARARASI TAŞ KONGRESİ, İzmir, Turkey, 20 - 25 March 2017, pp.685-694
- VI. **The Effect of Microwave Irradiation on the Leachability of Cu Zn Ore in Sulfate Media**
GÜLER E., SEYRANKAYA A., CÖCEN E. İ., TUFAN E., KAYA E.
15th International Mineral Processing Symposium, 19 - 21 October 2016, pp.809-822
- VII. **A New Approach To Remove Impurities From Feldspar Ores**
MALAYOĞLU U., KAYA E., ERDİNÇ Z., KURCAN İ.
11th International Mineral Processing Symposium, Antalya, Turkey, 21 - 23 October 2008, pp.771-777
- VIII. **Endüstriyel Hammadde Pazarında Kalite Politikaları ve Önemi**
MALAYOĞLU U., KAYA E., KAHRAMAN B.
6. ULUSLARARASI ENDÜSTRİYEL HAMMADDELER SEMPOZYUMU, İzmir, Turkey, 1 - 03 February 2007, pp.280-288
- IX. **Feldspat Cevheri İçerisindeki Mika ve Demir- Titan Oksitlerin Flotasyon ile Bazik Ortamda Tek Kademede Uzaklaştırılması**
KURCAN İ., KAYA E., KEÇECİ İ., MALAYOĞLU U., SEYRANKAYA A.
6. Uluslararası Endüstriyel Hammaddeler Sempozyumu, İzmir, Turkey, 1 - 03 February 2007, pp.156-163
- X. **Probleme dayalı öğrenmede (PBÖ) örnek bir senaryo çalışması**
SEYRANKAYA A., CÖCEN E. İ., ONARGAN T., KAYA E., ONUR A. H., ŞAFAK S., YENİCE H.
TMMOB Mühendislik Eğitimi Sempozyumu, Ankara, Turkey, 18 - 19 November 2005, pp.143-155
- XI. **Feasibility Study For A Turkish Placer Gold Ore Deposit**
Akar A., Kılınç Aksay E., Kaya E., Sisman M.
X. International Mineral Processing Symposium, İzmir, Turkey, 5 - 07 October 2004, pp.157-167
- XII. **İzmir-Menderes Yöresi Asidik Pomzanın Tuğla Olarak Değerlendirilmesi**
Kılınç Aksay E., Akar A., Kaya E., Yaşar E.
V. Endüstriyel Hammaddeler Sempozyumu Bildiriler Kitabı, İzmir, Turkey, 13 - 14 May 2004, pp.411-418
- XIII. **Alunit Cevherinden Potasyum ve Alüminyum Sülfat Hammaddelerinin Kazanımı**
Kılınç Aksay E., Ünal A., Cöcen E. İ., Kaya E., Akar A.
V. Endüstriyel Hammaddeler Sempozyumu, İzmir, Turkey, 13 - 14 May 2004, pp.399-406

Expert Reports

I. MİRYILDIZ GAZİANTEP DEMİR VE BAKIR MADENİ FAALİYETLERİNİN KAYNAK POTANSİYELİ VE PROSES TEKNOLOJİSİ AÇISINDAN DEĞERLENDİRİLMESİ HAKKINDA BİLİMSEL GÖRÜŞ RAPORU

Kaya E.

Miryıldız, pp.24, Gaziantep, 2022

Supported Projects

KAYA E., Project Supported by Higher Education Institutions, Ağır Metal İçeren Atıkların Triple Süper Fosfat (TSP) ile Stabilizasyonu, 2020 - 2023

Kaya E., Project Supported by Other Private Institutions, Kahramanmaraş, Ekinözü Demir Cevherinin Zenginleştirme Ön Fizibilite Etüdü Mühendislik Hizmetleri Projesi", Özel Kuruluşlar, Yürütücü, 10.07.2021 - 28.02.2022, 2021 - 2022

KAYA E., Project Supported by Other Private Institutions, AYAZMANT AÇIK İŞLETME DEMİR MADENİNDE ÜRETİLEN CEVHERİN İŞLENDİĞİ KARAAYIT DEMİR VE BAKIR ZENGİNLEŞTİRME TESİSİ ARTIKLARININ KARAKTERİZASYONU, CEVHER İÇİNDE BULUNAN MOLİBDEN (MO)'NİN KAZANILMASI VE TESİSİN PERFORMANSININ İYİLEŞTİRİLMESİ PROJESİ, 2020 - 2020

KAYA E., Other International Funding Programs, Cytec Flotasyon Reaktiflerinin Cevherler Üzerindeki Performansının Araştırılması, Proje No MDN.PRJ.16. A13, 2017 - 2018

ÖZPEK E., CÖCEN E. İ., KAYA E., GÜLER E., Project Supported by Higher Education Institutions, Mikrodalga Radyasyonunun Cevherlerin Yüzey Alterasyonuna ve Liç Verimine Etkisi, 2012 - 2016

KAYA E., CÖCEN E. İ., TUBITAK Project, Altın Konsantrelerinden Hidrometalurjik İşlemleri İle Altın Eldesi Veriminin Arttırılması, 2008 - 2010

KAYA E., Project Supported by Higher Education Institutions, Cevher Hazırlamada Mikrodalga Enerji Kullanımının Araştırılması, 2006 - 2009

Scientific Refereeing

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Dokuz Eylul University, Turkey, November 2022

Metrics

Publication: 31

Citation (WoS): 54

Citation (Scopus): 62

H-Index (WoS): 5

H-Index (Scopus): 5