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Personal Information

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Education Information

Doctorate, The University of Leeds, Maden Ve Cevher Hazırlama Mühendisliği, England 1989 - 1994

Undergraduate, Istanbul Technical University, Maden Fakültesi, Maden Mühendisliği Bölümü, Turkey 1982 - 1986

Foreign Languages

English

Research Areas

Mining Engineering and Technology, Engineering and Technology

Academic Titles / Tasks

Professor, Istanbul Technical University, Maden Mühendisliği Bölümü, 2006 - Continues

Associate Professor, Istanbul Technical University, Maden Fakültesi, Maden Mühendisliği Bölümü, 2000 - 2006

Assistant Professor, Istanbul Technical University, Maden Fakültesi, Maden Mühendisliği Bölümü, 1994 - 2000

Academic and Administrative Experience

İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, 1999 - 2001

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Investigation of the effect of polymer-based novel grinding aids on cement grinding efficiency**
Ozcan E. D., ÇİNKU K., Özdamar Ş., Ergin H., Ozkan S. G.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.139, no.13, 2022 (SCI-Expanded)
- II. **Development of a semi wet process for ceramic wall tile granule production**
durgut e., Yiğit Pala Ç., Kayacı K., Altıntaş A., Yıldırım Y., Ergin H.
Journal of Ceramic Processing Research, vol.16, no.5, pp.596-600, 2015 (SCI-Expanded)
- III. **Estimation of rock cuttability from shore hardness and compressive strength properties**

- Tumac D., BILGIN N., FERIDUNOGLU C., ERGIN H.
ROCK MECHANICS AND ROCK ENGINEERING, vol.40, no.5, pp.477-490, 2007 (SCI-Expanded)
- IV. **The effect of machine design parameters on the stability of a roadheader**
Ergin H., ACAROGLU O.
TUNNELLING AND UNDERGROUND SPACE TECHNOLOGY, vol.22, no.1, pp.80-89, 2007 (SCI-Expanded)
- V. **A new method to evaluate roadheader operational stability**
Acaroglu O., Ergin H.
TUNNELLING AND UNDERGROUND SPACE TECHNOLOGY, vol.21, no.2, pp.172-179, 2006 (SCI-Expanded)
- VI. **Analytical hierarchy process for selection of roadheaders**
ACAROĞLU ERGÜN Ö., Ergin H., Eskikaya Ş.
JOURNAL OF THE SOUTH AFRICAN INSTITUTE OF MINING AND METALLURGY, vol.106, no.8, pp.569-575, 2006 (SCI-Expanded)
- VII. **The Effect of the Cutting Head Design Parameters on Stability of the Roadheader**
Acaroğlu Ergün Ö., ERGIN H.
IMM Mining Technology, vol.114, pp.140-146, 2005 (SCI-Expanded)
- VIII. **An assessment of environmental impacts of quarry-blasting operation: a case study in Istanbul, Turkey**
Kuzu C., ERGIN H.
ENVIRONMENTAL GEOLOGY, vol.48, no.2, pp.211-217, 2005 (SCI-Expanded)
- IX. **Assessment of Mechanical Excavation at Nuh Cement Plant in Turkey**
Ergin H., Yonar İ., ACAROĞLU ERGÜN Ö.
ZKG INTERNATIONAL, vol.55, no.11, pp.100-108, 2002 (SCI-Expanded)
- X. **Increased Production Through Privatisation**
Çelenk A., Ergin H.
World Cement, vol.30, no.1, pp.7-0, 1999 (SSCI)
- XI. **Bohrkopfauswahl mit HDR Einsatz für die Sprengbohrlöcher im Kupfertagebau Murgul**
KUZU C., Ergin H., BALCI C., BİLGİN N.
Glückauf forschungshefte, vol.60, no.2, pp.57-0, 1999 (SSCI)

Articles Published in Other Journals

- I. **Rotari Sondaj Matkaplarının Optimum Seçimi ve İşletilmesi İçin Yeni Bir Yöntem**
ERGİN H., ACAROĞLU ERGÜN Ö., TOKER M., Ergener B., Akkriş D.
Rotari Sondaj Matkaplarının Optimum Seçimi ve İşletilmesi İçin Yeni Bir Yöntem, vol.55, no.1, pp.27-34, 2016 (Peer-Reviewed Journal)
- II. **Mikronize öğütme teknolojilerinin son durumu ve gelişmeler**
ERGİN H.
Boyatürk Dergisi, 2010 (Non Peer-Reviewed Journal)
- III. **Karıştırmalı bilyalı değirmenler**
ERGİN H.
Boyatürk Dergisi, pp.90-96, 2009 (Non Peer-Reviewed Journal)
- IV. **Boyut küçültme separasyon teknolojileri ve son gelişmeler**
ERGİN H.
Turkchem Dergisi, pp.48-50, 2009 (Non Peer-Reviewed Journal)
- V. **Bomlu Kazı Makinalarının Stabilitate Analizi ve Kesici Kafa Geometrisinin Stabilitateye Etkisi**
Acaroğlu Ergün Ö., Ergin H.
İTÜ Dergisi, vol.3, no.2, pp.100-110, 2005 (Peer-Reviewed Journal)
- VI. **Performance investigation of aluminised ANFO in limestone blasting operations**
Kuzu C., Ergin H., Sözen M., HÜDAVERDİ T.
Transactions of the Institutions of Mining and Metallurgy, Section A: Mining Technology, vol.114, no.4, 2005

(Scopus)

VII. The effect of cutting head shapes on roadheader stability

Acaroglu Ö., Ergin H.

Transactions of the Institutions of Mining and Metallurgy, Section A: Mining Technology, vol.114, no.3, 2005

(Scopus)

VIII. Bomlu kazı makinalarının stabilite analizi için geliştirilen yeni bir yöntem

ACAROĞLU ERGÜN Ö., ERGİN H.

İTÜ Dergisi, vol.3, no.2, 2004 (Non Peer-Reviewed Journal)

IX. Energieverbrauch in der türkei

KUZU C., ERGİN H.

TU international, no.55, pp.25-27, 2004 (Non Peer-Reviewed Journal)

X. New pipe conveyor for Nuh

ERGİN H., KUZU C., Çetinkaya M.

World cement, pp.23-26, 2004 (Non Peer-Reviewed Journal)

XI. "Optimum bit selection and operation for therotary blast hole drilling through HDR- a case study at KBI Murgul mine

ERGİN H., KUZU C., BALCI C., TUNÇDEMİR H., BİLGİN N.

International Journal of Surface Mining Reclamation and Environment, vol.14, no.4, pp.295-304, 2000 (Peer-Reviewed Journal)

XII. Optimum bit selection and operation for the ratary blasthole drilling using a Horizontal Drilling Rig (HDR) - A case study at KBI Murgul Copper Mine

Ergin H., Kuzu C., Balci C., Tunçdemir H., Bilgin N.

International Journal of Surface Mining, Reclamation and Environment, vol.14, no.4, pp.295-304, 2000 (Scopus)

Refereed Congress / Symposium Publications in Proceedings

I. Investigation of the Recycling of Ceramic Sludge Waste for Wall Tile Production in Ceramic Factory

Ergin H.

17 th International Mineral Processing Congress, İstanbul, Turkey, 15 - 17 December 2022, pp.905-912

II. Technological and Economical Investigation of Glaze Preparation Using Dry Stirred Media Mill

Ergin H.

17 th International Mineral Processing Symposium, İstanbul, Turkey, 15 - 17 December 2022, pp.117-122

III. A NOVEL DRY GRANULE PREPARATION TECHNOLOGY AND COMPARISON OF GRANULE PROPERTIES WITH CONVENTIONAL WET SYSTEM FOR CERAMIC TILES PRODUCTION

Ergin H.

17 th International Mineral Processing Symposium, İstanbul, Turkey, 15 - 17 December 2022, pp.89-96

IV. Reduced Drilling costs through optimum tricone bit selection - Using a Horizontal Drill Rig (HDR)

Ergin H.

V. International Drilling Congress and Exhibition, İzmir, Turkey, 27 - 28 October 2022, pp.1-8

V. Investigation Of The Effects Of Clay Impurities On Ceramic Tiles And Novel Methods For Improvements

Yıldırım Y., Durgut E., Ergin H.

XVII. Balkan Mineral Processing Congress, İzmir, Turkey, 1 - 03 November 2017

VI. Optimum Use Of Fired Ceramic Tile Waste In The Production Of Blended Cement

TOKER M., ERGİN H., aykaç u.

XVII. Balkan Mineral Processing Congress, 1 - 03 November 2017

VII. New Generation Rotary Drill Bits: Klaw Bit Performance Analysis and Compared with Tricone Bit

Ergener B., Akkriş D., C. L., Acaroğlu Ergün Ö., Ergin H., Toker Derdiyok M.

Proceedings of the 2nd World Congress on Mechanical, Chemical and Material Engineering, Budapeşte, Hungary, 22 - 23 August 2016, pp.112

- VIII. **Yeni Nesil Rötari Sondaj Matkapları: Klaw Matkap Analizi ve Konili Matkap İle Karşılaştırılması**
Ergener B., Akkriş D., Larson C., Acaroğlu Ergün Ö., Ergin H., Çalışkan U. C., Toker Derdiyok M.
8. Delme Patlatma Sempozyumu, İstanbul, Turkey, 19 - 20 November 2015, pp.67-75
- IX. **Yeni nesil rotari sondaj matkapları klaw matkap performans analizi ve konili matkapla kıyaslanması**
Ergener B., Deyvi A., Larson C., ACAROĞLU ERGÜN Ö., ERGİN H., Çalışkan U., TOKER M.
VIII. Delme Patlatma Sempozyumu, Turkey, 19 - 20 November 2015
- X. **Rotari sondaj matkaplarının optimum seçimi ve işletilmesi için yeni bir yöntem**
ERGİN H., ACAROĞLU ERGÜN Ö., TOKER M., Bahadır E., Deyvi A.
VIII. Delme Patlatma Sempozyumu, Turkey, 19 - 20 November 2015
- XI. **Şile bölgesi killerin mineralojik özelliklerinin reolojik davranışlarına etkisi**
Yıldırım Y., Yiğit Pala Ç., Durgut E., Kayacı K., ERGİN H.
16. Ulusal Kil Sempozyumu, Turkey, 2 - 05 September 2015
- XII. **Killerin fiziksel kimyasal ve mineralojik özelliklerinin plastikiğe olan etkisi**
Durgut E., Yıldırım Y., Yiğit Pala Ç., Kayacı K., ERGİN H.
16. Ulusal Kil Sempozyumu, Turkey, 2 - 05 September 2015
- XIII. **Farklı mineralojik özelliklere sahip killerin seramik üretim prosesinde pişme davranışlarına etkisi**
Yıldırım Y., Yiğit Pala Ç., Durgut E., Kayacı K., ERGİN H.
16. Ulusal Kil Sempozyumu, Turkey, 2 - 05 September 2015
- XIV. **Effects of grinding media shape in milling of ceramic raw materials**
Kayacı K., Yıldırım Y., Altıntaş A., Kılıç M., Durgut E., Yiğit Pala Ç., ERGİN H.
XIV. International Mineral Processing Symposium & Exhibition, 15 - 17 October 2014
- XV. **Investigation of the use of sanitary ware plaster mold wastes in the production save roller engobe**
Eker A., Seyhan N., Başoğlu D., Kayacı K., Taycu A., Gula M., ERGİN H.
III. International ceramic glass porcelain enamel glaze and pigment congress, 15 - 17 October 2014
- XVI. **The recycling and optimum use of wall tile wastes in the production of ceramic body**
Kayacı K., Yıldırım Y., Altıntaş A., Kılıç M., Durgut E., Pala Ç. Y., ERGİN H.
XIV. International Mineral Processing Symposium & Exhibition, 15 - 17 October 2014
- XVII. **Optimum use of floor tile waste in the production of blended cement**
TOKER M., ERGİN H., Kayacı K.
XIV. International Mineral Processing Symposium & Exhibition, 15 - 17 October 2014
- XVIII. **New developments on ceramic raw material preparation and granules production**
ERGİN H.
III. International ceramic glass-porcelain enamel glaze and pigment congress, 15 - 17 October 2014
- XIX. **Optimum use of zeolite in the production of blended cement**
TOKER M., ERGİN H.
XIV. International Mineral Processing Symposium & Exhibition, 15 - 17 October 2014
- XX. **Determination of dry grinding properties of floor tile wastes**
Kayacı K., Altıntaş A., Yıldırım Y., Kılıç M., Durgut E., Pala Ç. Y., ERGİN H.
13th International ceramics congress, 9 - 13 June 2014
- XXI. **Development of a semi wet process for ceramic floor tile granule production**
Kayacı K., Altıntaş A., Yıldırım Y., Kılıç M., Durgut E., ERGİN H.
13th International ceramics congress, 9 - 13 June 2014
- XXII. **The recycling and optimum use of floor tile wastes in the production of ceramic body**
ERGİN H., Kayacı K., Altıntaş A., Yıldırım Y., Pala Ç. Y., Kılıç M., Durgut E., Çimen S.
EurAsia waste management symposium 2014, 28 - 30 April 2014
- XXIII. **The recycling of ceramic sludge waste to produce alternative eco products**
Kayacı K., ERGİN H., Altıntaş A., Yıldırım Y., Türk S., Eker A., Kılıç M., Durgut E.
EurAsia waste management symposium 2014, 28 - 30 April 2014
- XXIV. **Penetration properties of innovative ultra fine cements for tunnel construction**
ERGİN H., Tekkeşin H., Çimen S.
3. Uluslararası ulaşımda yeraltı kazıları sempozyumu, 29 - 30 November 2013

- XXV. **A new method to optimise the rotary drill bit selection and operation**
ERGİN H., Eskikaya Ş., Kelessidis V.
22th world mining congress&expo, 11 - 16 September 2011, vol.3, pp.793-799
- XXVI. **Analysis and optimization of drilling operating parameters in coring and drilling operations**
ERGİN H., Kelessidis V.
22th world mining congress&expo, 11 - 16 September 2011, vol.2, pp.209-216
- XXVII. **The properties of an innovative ultra fine cements produced in Turkey**
ERGİN H., Eskikaya Ş.
22th world mining congress&expo, 11 - 16 September 2011
- XXVIII. **Drilling fluid advances for core drilling**
Vassilios K., ERGİN H.
VI. delme patlatma sempozyumu, Turkey, 4 - 05 November 2010
- XXIX. **Çimento hammadde öğütme sistemlerinin optimum seçimi ve işletilmesi**
ERGİN H., Özdemircan D.
4. Ulusal kırmataş sempozyumu, Turkey, 1 - 02 December 2006, pp.235-243
- XXX. **The critical comparison industrial cement grinding circuit flowsheets**
ERGİN H., Gür O.
XXIII: International mineral processing congress, 3 - 08 September 2006, vol.3, pp.1995-2000
- XXXI. **Proper Selection of Roadheaders**
ESKİKAYA S., ACAROĞLU ERGÜN Ö., ERGİN H.
20th World Mining Congress, TAHRAN, 7 - 11 November 2005, pp.621-627
- XXXII. **A New Method to Assess the Machine Design Parameters on the Stability of Boom Tunnelling Machine**
ESKİKAYA S., ACAROĞLU ERGÜN Ö., ERGİN H.
20th World Mining Congress, TAHRAN, 7 - 11 November 2005, pp.691-698
- XXXIII. **Bomlu kazı makinalarının seçiminde kullanılabilecek teknik parametreler**
ACAROĞLU ERGÜN Ö., ERGİN H., Eskikaya Ş.
2. İş mekanaları sempozyumu, İstanbul, Turkey, 29 September - 01 October 2005, pp.11-26
- XXXIV. **Bomlu kazı makinalarının stabilite analizi ve kesici kafa geometrisinin stabiliteye etkisi**
ACAROĞLU ERGÜN Ö., ERGİN H.
19th Mining Congress of Turkey, İzmir, Turkey, 9 - 12 June 2005, pp.151-161
- XXXV. **patlatma kaynaklı titreşimlerde OSMRE çözümleri I İstanbul Cendere havzasından bir uygulama örneği**
KUZU C., ERGİN H.
3. Ulusal Kırmataş Sempozyumu, Turkey, 3 - 04 December 2003
- XXXVI. **Çimento hammaddeleri için optimum kırıcı seçimi ve işletilmesi**
ERGİN H., KUZU C.
3. Ulusal Kırmataş Sempozyumu, Turkey, 3 - 04 December 2003
- XXXVII. **Assessment of Mechanical Excavation at Cement Raw Material Production**
ERGİN H., Yonar İ., ACAROĞLU ERGÜN Ö., Çetinkaya M., Akın K.
International Symposium Industrial Minerals and Building Stones, 15 - 18 September 2003, pp.151-161
- XXXVIII. **An Assessment of the Roadheaders Stability According to Cutting Head Shapes**
ACAROĞLU ERGÜN Ö., ERGİN H., Eskikaya S.
International symposium on computer application in the minerals industries, 08 September 2003
- XXXIX. **Optimization of Cement Grinding Circuits Through Simulation**
ERGİN H., ERÇELEBİ S. G.
11th European Simulation Conference', Erlangen, Germany, 26 - 28 October 1999, pp.379-393
- XL. **Doğrusal kaya kesme seti veri erişim sisteminin ve yazılımlarının tasarımı**
YAZICI S., KUZU C., ERGİN H., BİLGİN N., ESKİKAYA Ş.
Mühendislikte 20.Yıl Sempozyumu, Zonguldak, Turkey, 5 - 06 October 1995, pp.12

Supported Projects

Ergin H., Project Supported by Higher Education Institutions, Comparison of Dry Grinding Technologies as a Reference of Ceramic Granule Technological Parameters, 2016 - 2018

Ergin H., TUBITAK Project, Gazbeton üretiminde kullanım için Al pasta formülasyonunun ve üretim prosesinin geliştirilmesi, 2014 - 2016

Ergin H., TUBITAK Project, Yarıyaş Granül hazırlama sistemi geliştirilmesi, 2014 - 2016

Ergin H., TUBITAK Project, DMT Dinamik Mikronize Teknoloji Geliştirilmesi, 2013 - 2015

Ergin H., Project Supported by Higher Education Institutions, Çok Kriterli Karar Verme Yöntemleriyle Optimum Tünel Açma Makinası Seçimi, 2002 - 2004

Ergin H., Project Supported by Higher Education Institutions, Trakya ve İstanbul Kömürlerinin Bilgisayarla Değerlendirilerek Envanterinin Çıkarılması, 1996 - 1998

Metrics

Publication: 67

Citation (WoS): 146

Citation (Scopus): 220

H-Index (WoS): 4

H-Index (Scopus): 6

Scholarships

Master and PhD study in United Kingdom, Ministry of Education, 1988 - 1994

Undergraduate study, Other Government Agencies, 1982 - 1986

Non Academic Experience

Maden Tetkik Arama Enstitüsü