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Education Information

Doctorate, Hacettepe University, Fen Bilimleri Enstitüsü, Maden Mühendisliği, Turkey 2010 - 2015

Postgraduate, Hacettepe University, Fen Bilimleri Enstitüsü, Maden Mühendisliği, Turkey 2007 - 2010

Undergraduate, Hacettepe University, Mühendislik Fakültesi, Maden Mühendisliği, Turkey 2001 - 2006

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, ÖĞÜTME YARDIMCILARININ ÇİMENTO ÖĞÜTME DEVRESİ PERFORMANSI ÜZERİNE ETKİLERİNİN MODELLENMESİ ve SİMÜLASYONU, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Maden Mühendisliği (Dr), 2015
Postgraduate, Öğütme yardımcılarının ve dayanım arttırıcıların devre performansı ve çimento kalitesi üzerine etkilerinin araştırılması, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Maden Mühendisliği (Yl) (Tezli), 2010

Research Areas

Mining Engineering and Technology, Ore-Dressing, Communion-Sizing-Classification, Engineering and Technology

Academic Titles / Tasks

Research Assistant, Hacettepe University, Mühendislik Fakültesi, Maden Mühendisliği Bölümü, 2007 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Effects of grinding aids on model parameters of a cement ball mill and an air classifier**
TOPRAK N. A., BENZER A. H.
Powder Technology, 2018 (SCI-Expanded)
- II. **The effects of grinding aids on modelling of air classification of cement**

- TOPRAK N. A., ALTUN O., BENZER A. H.
CONSTRUCTION AND BUILDING MATERIALS, vol.160, pp.564-573, 2018 (SCI-Expanded)
- III. **The influences and selection of grinding chemicals in cement grinding circuits**
TOPRAK N. A., ALTUN O., Aydogan N., Benzer H.
CONSTRUCTION AND BUILDING MATERIALS, vol.68, pp.199-205, 2014 (SCI-Expanded)
- IV. **Simulation assisted capacity improvement of cement grinding circuit: Case study cement plant**
DÜNDAR H., Benzer H., AYDOĞAN N., ALTUN O., TOPRAK N. A., ÖZCAN Ö., EKİCİ D., Sargin A.
MINERALS ENGINEERING, vol.24, pp.205-210, 2011 (SCI-Expanded)

Articles Published in Other Journals

- I. **BİR KIRMA ELEME TESİSİNİN PERFORMANSININ DEĞERLENDİRİLMESİ VE OPTİMİZASYONU**
ÖZCAN Ö., TOPRAK N. A., GÖKTAŞ İ.
Bilimsel Madencilik Dergisi, vol.57, pp.95-108, 2018 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **ASSESSMENT OF MICROHYDRODYNAMIC AND POPULATION BALANCE MODELING OF WET STIRRED MEDIA MILLS**
Bilgili E., ALTUN O., TOPRAK N. A., ALTUN D.
IMCET 2023 28th International Mining Congress and Exhibition of Türkiye, Antalya, Turkey, 28 November 2023
- II. **SIMULATION OF PILOT SCALE JAW CRUSHER USING DEM**
ALTUN D., ALTUN O., TOPRAK N. A., Tipici C. V., Akin Ö., Dağtarla Z., Savaş E.
IMCET 2023 28th International Mining Congress and Exhibition of Türkiye, Antalya, Turkey, 28 November 2023
- III. **ENERGY OPTIMIZATION OF A GRINDING CIRCUIT AT A COPPER MINE BİR BAKIR MADENİNDE ÖĞÜTME DEVRESİNİN ENERJİ OPTİMİZASYONU**
Sert T., ALTUN O., TOPRAK N. A., ALTUN D., Darılmaz Ö.
27th International Mining Congress and Exhibition of Turkey, IMCET 2022, Antalya, Turkey, 22 - 25 March 2022, pp.324-334
- IV. **HIG MILL PERFORMANCE AT COPPER FLOTATION CIRCUIT REGRIND APPLICATION BAKIR FLOTASYON DEVRESİ REGRIND UYGULAMASINDA HIG DEĞİRMEN PERFORMANSI**
ALTUN O., Darılmaz Ö., Hür A., Karahan C., Göller Z., Sert T., ALTUN D., TOPRAK N. A.
27th International Mining Congress and Exhibition of Turkey, IMCET 2022, Antalya, Turkey, 22 - 25 March 2022, pp.409-416
- V. **PROPOSED FLOWSHEET DESIGN FOR A CEMENT GRINDING CIRCUIT BY CONSIDERING FINE GRINDING TECHNOLOGY**
ALTUN O., Karahan C. E., Zencirci E. S., TOPRAK N. A., BENZER A. H.
IMCET 2019, 15 - 19 April 2019
- VI. **The impacts of fine grinding around different streams of cement grinding circuit**
ALTUN O., Sert T., Zencirci E. S., TOPRAK N. A., BENZER A. H.
IMPS 2018, 23 - 25 October 2018
- VII. **The Impacts of Fine Grinding Around Different Streams of Cement Grinding Circuits**
ALTUN O., Sert T., Zencirci E. S., TOPRAK N. A., BENZER A. H.
IMPC 2018 Turkey, 23 - 25 October 2018
- VIII. **Effects of Grinding Aid Dosage on Cement Grinding Circuit**
TOPRAK N. A., BENZER A. H.
ESCC 2017 15th European Symposium of Comminution and Classification, 11 - 14 September 2017
- IX. **A Comparative Dry Grinding Study Of A Natural And A Heated Vermiculite**
EHSANI İ., TOPRAK N. A., ALTUN O., ÜÇYILDIZ A., OBUT A.

3.International Porous And Powder Materials Symposium And Exhibition, Turkey, 12 - 15 September 2017, pp.6-11

X. Application of HPGR, VRM and dry classification in mineral processing

DÜNDAR H., BENZER A. H., AYDOĞAN N. A., ALTUN O., ALTUN D., TOPRAK N. A.

International Congress on Mineral Comminution 2017, Peru, Lima, Peru, 11 - 13 May 2017

XI. Media wear measurements in a laboratory scale ball mill

ÇOLAK S., ALTUN O., TOPRAK N. A., BENZER A. H.

15th International Mineral Processing Symposium, 19 - 21 October 2016

XII. Optmization alternatives in cement grinding circuits

TOPRAK N. A., BENZER A. H., AYDOĞAN N. A., ALTUN O., DÜNDAR H., ÖZCAN Ö., ALTUN D.

14th International Mineral Processing Syposium, 15 - 17 October 2014

XIII. Optimization Alternatives in Cement Grinding Circuits

TOPRAK N. A., BENZER A. H., AYDOĞAN N. A., ALTUN O., DÜNDAR H., ÖZCAN Ö., ALTUN D.

IMPS, 15 - 17 October 2014

XIV. Simulation aided energy optimization of a Cu Zn ore grinding circuit

ALTUN O., BENZER A. H., AYDOĞAN N. A., TOPRAK N. A., Arslan A., Nihan S.

14th International Mineral Processing Symposium, 15 - 17 October 2014

XV. Modelling and Simulation of the CrushingScreening Plant in a Gold Mine

DÜNDAR H., BENZER A. H., ÖZCAN Ö., TOPRAK N. A., EROL U. K., SHERREN K., DEMİR M.

12th International Mineral Processing Symposium, Nevşehir, Turkey, 6 - 08 October 2010

XVI. Modelling and Simulation of the Crushing and Screening Plant in a Gold Mine

DÜNDAR H., BENZER A. H., ÖZCAN Ö., TOPRAK N. A., Erol U. K., Sherren K., Demir M.

IMPS 2010 (XII International Mineral Processing Symposium), Nevşehir, Turkey, 6 - 08 October 2010

XVII. Investigation of producing cement with lower cost and higher quality by chemicals used in grinding operation

TOPRAK N. A., ALTUN O., AYDOĞAN N. A., BENZER A. H.

12th International mineral processing symposium, 6 - 08 October 2010

Supported Projects

BENZER A. H., TOPRAK N. A., Project Supported by Higher Education Institutions, ÖĞÜTME YARDIMCILARININ ÇİMENTO ÖĞÜTME DEVRESİ PERFORMANSI ÜZERİNDE ETKİLERİNİN MODELLENMESİ ve SİMÜLASYONU, 2015 - 2015

Metrics

Publication: 24

Citation (WoS): 59

Citation (Scopus): 90

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