

Prof. ABDULLAH OBUT

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Education Information

Doctorate, Hacettepe Üniversitesi, Fen Bilimleri, Maden Mühendisliği, Turkey 2001 - 2006

Foreign Languages

English, B2 Upper Intermediate

Research Areas

Mining Engineering and Technology, Ore-Dressing, Chemical-Biological Winning Techniques and Mineral Processing, Metallurgical and Materials Engineering, Production Metallurgy, Hydrometallurgy, Engineering and Technology

Academic Titles / Tasks

Associate Professor, Hacettepe Üniversitesi, Mühendislik Fakültesi, Maden Mühendisliği Bölümü, 2010 - Continues

Academic and Administrative Experience

Hacettepe Üniversitesi, Mühendislik Fakültesi, Maden Mühendisliği Bölümü, 2012 - Continues

Advising Theses

OBUT A., Bir vermikülitin fiziksel, kimyasal ve ısıl özellikleri üzerine sülfürik asit liçinin etkileri, Postgraduate, İ.EHSANİ(Student), 2015

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

- I. **Preparation of different zinc compounds from a smithsonite ore through ammonia leaching and subsequent heat treatment**
Ehsani A., EHSANİ İ., OBUT A.
PHYSICOCHEMICAL PROBLEMS OF MINERAL PROCESSING, vol.57, no.4, pp.96-106, 2021 (Journal Indexed in SCI)
- II. **Conversion behaviours of Sr- and Ca-containing solids in dissolved carbonate containing alkaline pregnant zinc leaching solutions**

- EHSANİ İ., OBUT A.
MINERALS ENGINEERING, vol.135, pp.9-12, 2019 (Journal Indexed in SCI)
- III. **Leaching behaviour of zinc from a smithsonite ore in sodium hydroxide solutions**
EHSANİ İ., ÜÇYILDIZ A., OBUT A.
PHYSICOCHEMICAL PROBLEMS OF MINERAL PROCESSING, vol.55, no.2, pp.407-416, 2019 (Journal Indexed in SCI)
- IV. **CO₂ utilization for fast preparation of nanocrystalline hydrozincite**
Turianicova E., Kanuchova M., Zorkovska A., Holub M., Bujnakova Z., Dutkova E., Balaz M., Findorakova L., Balintova M., OBUT A.
JOURNAL OF CO₂ UTILIZATION, vol.16, pp.328-335, 2016 (Journal Indexed in SCI)
- V. **Effects of sulphuric acid dissolution on the physical and chemical properties of a natural and a heated vermiculite**
EHSANİ İ., TURIANICOVA E., BALAZ M., OBUT A.
ACTA MONTANISTICA SLOVACA, vol.20, no.2, pp.110-115, 2015 (Journal Indexed in SCI)
- VI. **Interaction of natural and thermally processed vermiculites with gaseous carbon dioxide during mechanical activation**
TURIANICOVA E., OBUT A., TUCEK E., ZORKOVSKA A., Girgin I., BALAZ P., NEMETH Z., MATIK M., KUPKA D.
APPLIED CLAY SCIENCE, pp.86-91, 2014 (Journal Indexed in SCI)
- VII. **The effects of LiOH and NaOH on the carbonation of SrSO₄ by dry high-energy milling**
TURIANICOVA E., OBUT A., ZORKOVSKA A., BALAZ P., MATIK M., BRIANCIN J.
MINERALS ENGINEERING, vol.49, pp.98-102, 2013 (Journal Indexed in SCI)
- VIII. **Interaction of Celestine Concentrate and Reagent Grade SrSO₄ with Oxalate Solutions**
OBUT A.
ACTA MONTANISTICA SLOVACA, vol.17, no.2, pp.126-131, 2012 (Journal Indexed in SCI)
- IX. **Dissolution behaviour of a Turkish lateritic nickel ore**
GİRGIN İ., OBUT A., ÜÇYILDIZ A.
MINERALS ENGINEERING, vol.24, no.7, pp.603-609, 2011 (Journal Indexed in SCI)
- X. **Structural changes in olivine (Mg, Fe)(2)SiO₄ mechanically activated in high-energy mills**
Balaz P., Turianicova E., Fabian M., Kleiv R. A. , Briancin J., OBUT A.
INTERNATIONAL JOURNAL OF MINERAL PROCESSING, vol.88, pp.1-6, 2008 (Journal Indexed in SCI)
- XI. **Thermal syntheses of magnesium borate compounds from high-energy milled MgO-B₂O₃ and MgO-B(OH)(3) mixtures**
OBUT A.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.457, pp.86-89, 2008 (Journal Indexed in SCI)
- XII. **Direct conversion of celestine to SrS by microwave heating**
OBUT A.
MINERALS ENGINEERING, vol.20, no.14, pp.1320-1322, 2007 (Journal Indexed in SCI)
- XIII. **Direct mechanochemical conversion of celestite to SrCO(3)**
OBUT A., Ballaz P., Girgin I.
MINERALS ENGINEERING, vol.19, no.11, pp.1185-1190, 2006 (Journal Indexed in SCI)
- XIV. **Preparation of sodium borosilicates using sodium silicate and boric acid**
OBUT A., Girgin I.
JOURNAL OF SOL-GEL SCIENCE AND TECHNOLOGY, vol.39, no.2, pp.79-83, 2006 (Journal Indexed in SCI)
- XV. **Microwave exfoliation of vermiculite and phlogopite**
OBUT A., Girgin I., Yorukoglu A.
CLAYS AND CLAY MINERALS, vol.51, no.4, pp.452-456, 2003 (Journal Indexed in SCI)
- XVI. **Effect of thiourea on sulphuric acid leaching of bastnaesite**
Yorukoglu A., OBUT A., Girgin I.
HYDROMETALLURGY, vol.68, pp.195-202, 2003 (Journal Indexed in SCI)
- XVII. **Hydrogen peroxide exfoliation of vermiculite and phlogopite**
OBUT A., Girgin I.
MINERALS ENGINEERING, vol.15, no.9, pp.683-687, 2002 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **DISSOLUTION PROPERTIES OF A DOLOMITE CONTAINING ZINC ORE IN SODIUM HYDROXIDE SOLUTIONS**
KUMAŞ C., EHSANİ İ., OBUT A.
Bilimsel Madencilik Dergisi, vol.59, no.2, pp.93-100, 2020 (Other Refereed National Journals)
- II. **Sedimentation characteristics of kaolin and bentonite in concentrated solutions**
OBUT A.
Acta Montanistica Slovaca, vol.10, pp.145-150, 2005 (Refereed Journals of Other Institutions)
- III. **Magnezyum kurşun ve manganez iyonlarının bentonit süspansiyonlarının jelleşme karakteristiği üzerindeki etkisi**
OBUT A., GİRGİN İ.
Madencilik, vol.44, no.2, pp.17-24, 2005 (Other Refereed National Journals)
- IV. **Trimetil Borat B OCH₃ 3 Üretim Yöntemleri**
OBUT A., GİRGİN İ.
Madencilik, vol.42, no.4, pp.37-42, 2003 (Other Refereed National Journals)
- V. **The improvement of gelling property of bentonites using their physico chemical and mineralogical characteristics**
OBUT A., GİRGİN İ.
Yerbilimleri, vol.25, pp.1-10, 2002 (Other Refereed National Journals)

Refereed Congress / Symposium Publications in Proceedings

- I. **Effect Of Sulphuric Acid Addition On Thermal Behaviour Of A Limonitic Nickel Laterite Ore**
ÜÇYILDIZ A., Ünalı Ç. T. , OBUT A., GİRGİN İ.
17.Balkan Mineral Processing Congress, Turkey, 1 - 03 November 2017, vol.477
- II. **A Comparative Dry Grinding Study Of A Natural And A Heated Vermiculite**
EHSANİ 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
- III. **Effects Of Different Initial Magnesium Compounds On The Preparation Of Magnesium Orthoborate**
OBUT A., GİRGİN İ.
Proceedings Of The 9.International Industrial Minerals Symposium, Turkey, 14 - 15 May 2015, pp.533-542
- IV. **Leaching Of A Commercial Vermiculite In H₂SO₄ Solutions**
EHSANİ İ., Turianicova E., Balaz M., OBUT A.
Proceedings Of The 14.International Mineral Processing Symposium, Turkey, 15 - 17 October 2014, pp.757-763
- V. **Preparation Of Strontium Hexaferrite Powders Using SrSO₄ And Fe₃O₄**
OBUT A.
Proceedings Of The 14.International Mineral Processing Symposium, Turkey, 15 - 17 October 2014, pp.787-792
- VI. **Structure And Colour Properties Of Nickel Containing Magnesium Borates**
ÜÇYILDIZ A., GİRGİN İ., OBUT A.
Proceedings Of The 12. International Mineral Processing Symposium, Turkey, 6 - 08 October 2010, pp.775-782
- VII. **Kobalt İçeren Magnezyum Boratların Sentezlenmesi Ve Karakterizasyonu**
GİRGİN İ., OBUT A., ÜÇYILDIZ A., KARAN B., Balaz P.
4. Uluslararası Bor Sempozyumu Bildiriler Kitabı, Turkey, 15 - 17 October 2009, pp.145-152
- VIII. **Interaction Of Sodium Silicate With Na₂B₄O₇ 10H₂O And NaBH₄**
OBUT A., GİRGİN İ.
Proceedings Of The 4. International Boron Symposium, 15 - 17 October 2009, pp.11-17
- IX. **High Energy Milling Of Sodium Silicate And Borate Compounds**
OBUT A., GİRGİN İ., Balaz P.

Proceedings Of The 23. International Mineral Processing Congress, Turkey, 3 - 08 September 2006, pp.1094-1097

- X. **Interaction Between MgO And B OH 3 Under High Energy Milling**
OBUT A., GİRGİN İ., Balaz P.
Proceedings Of The 23. International Mineral Processing Congress, 3 - 08 September 2006, pp.1080-1083
- XI. **Nd Fe B Alaşımli kalıcı Mıknatısların İnce Tane Boyunda Seramik Hammaddelerinin Yaş Manyetik Zenginleştirmede Kullanılması**
GÜLSOY Ö. Y. , ORHAN E. C. , DİKMEN S., OBUT A.
Türkiye 19. Uluslararası Madencilik Kongresi, 9 - 12 June 2005
- XII. **10B İzotopu Ayırım Yöntemleri Ve Kullanım Alanları**
OBUT A., GİRGİN İ.
1.Uluslararası Bor Çalıştayı Bildiriler Kitabı, Turkey, 28 - 29 April 2005, pp.391-398
- XIII. **Magnezyum Boratların Sentezlenmesi Ve Tanımlanması**
OBUT A., GİRGİN İ.
2. Uluslararası Bor Sempozyumu Bildiriler Kitabı, Turkey, 23 - 25 September 2004, pp.133-138
- XIV. **Kırka A Konsantratörü Performans Değerlendirme Çalışmaları**
ERGÜN Ş. L. , GÜLSOY Ö. Y. , ORHAN E. C. , OBUT A., DİKMEN S., HASSOY H.
2. Uluslararası Bor Sempozyumu, 23 - 25 September 2004
- XV. **Investigation on the Alternatives to Obtain Finer Flotation Feed at Küre Grinding Circuit by Simulation**
ERGÜN Ş. L. , EKMEKÇİ Z., GÜLSOY Ö. Y. , CAN N. M. , ORHAN E. C. , DİKMEN S., OBUT A.
International Mineral Processing Symposium-Mineral Processing on the Verge of the 21st Century, Antalya, Turkey, 16 - 18 October 2000, pp.59-64
- XVI. **Investigations on the alternatives to obtain finer flotation feed at Kure grinding circuit by simulation**
ERGÜN S., EKMEKÇİ Z., Gulsoy O., CAN N. M. , ORHAN E., DİKMEN S., OBUT A.
8th International Mineral Processing Symposium (IMPS-2000), Antalya, Turkey, 16 - 18 October 2000, pp.59-64

Supported Projects

OBUT A., BALAZ M., TOTHOVA (TURİANİCOVA) E., EHSANİ İ., Project Supported by Higher Education Institutions, Sülfürik Asitte Çözündürmenin Doğal ve Isıtılmış Vermikülitin Fiziksel ve Kimyasal Özellikleri Üzerindeki Etkileri, 2017 - 2017

OBUT A., Project Supported by Higher Education Institutions, Sölestinin Kuru Yüksek-Enerjili Öğütme İle Karbonasyonuna Lityum Hidroksit ve Sodyum Hidroksitin Etkileri, 2015 - 2015

Citations

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