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Education Information

Doctorate, Ataturk University, Fen Bilimleri Enstitüsü, Kimya Anabilim Dalı, Turkey 1991 - 1994

Postgraduate, Ataturk University, Fen Bilimleri Enstitüsü, Kimya Anabilim Dalı, Turkey 1987 - 1989

Undergraduate, Ataturk University, Fen Ed. Fakültesi, Kimya Bölümü, Turkey 1982 - 1985

Dissertations

Postgraduate, Üleksitin sülfürik asit çözeltileri ile çözünürleştirilmesinin kinetiği ve mekanizması, Ataturk University, Fen Bilimleri Enstitüsü, Kimya Bölümü, 1994

Research Areas

Chemistry, Physical Chemistry, Chemical Kinetics, Natural Sciences

Academic Titles / Tasks

Professor, Van Yüzüncü Yil University, Fen Ed. Fakültesi, Kimya Bölümü, 2008 - Continues

Associate Professor, Van Yüzüncü Yil University, Fen Ed. Fakültesi, Kimya Bölümü, 1999 - 2008

Assistant Professor, Van Yüzüncü Yil University, Fen Ed. Fakültesi, Kimya Bölümü, 1994 - 1999

Published journal articles indexed by SCI, SSCI, and AHCI

- Palladium-loaded on calcined ulexite (Pd(0)@CU) nanoparticles for the catalytic hexavalent chromium reduction**
Gözeten I., Calimli M., Nas M., Tunç M., Alma M.
International Journal of Environmental Science and Technology, vol.21, no.2, pp.1745-1766, 2024 (SCI-Expanded)
- The catalytic activity of halloysite-supported Ru nanoparticles in the methanolysis of sodium borohydride for hydrogen production**
Gözeten İ., Karakaş K., Karataş ., Tunç M., Gülcan M.
International Journal of Hydrogen Energy, vol.48, no.92, pp.35838-35849, 2023 (SCI-Expanded)
- Palladium nanoparticles supported on multi-walled carbon nanotube (MWCNT) for the catalytic**

hexavalent chromium reduction

Gözeten İ., Tunç M.

Materials Chemistry and Physics, vol.278, 2022 (SCI-Expanded)

- IV. **Palladium Nanoparticles Supported on Activated Carbon (C) for the Catalytic Hexavalent Chromium Reduction**
Gozeten I., Tunç M.
WATER AIR AND SOIL POLLUTION, vol.233, no.1, 2022 (SCI-Expanded)
- V. **Palladium nanoparticles supported on aluminum oxide (Al₂O₃) for the catalytic hexavalent chromium reduction**
Gozeten I., Tunç M.
JOURNAL OF NANOPARTICLE RESEARCH, vol.24, no.1, 2022 (SCI-Expanded)
- VI. **The Conversion Kinetics of Tincal to Boric Acid in Nitric Acid Solutions**
Mehmet T., Hasan I., Muhtar M. K., Mehmet C., Ozkan K.
IRANIAN JOURNAL OF CHEMISTRY & CHEMICAL ENGINEERING-INTERNATIONAL ENGLISH EDITION, vol.39, no.2, pp.83-90, 2020 (SCI-Expanded)
- VII. **Pyrolysis of black cummin seed: Significance of catalyst and temperature product yields and chromatographic characterization**
Durak H., Genel S., Tunç M.
JOURNAL OF LIQUID CHROMATOGRAPHY & RELATED TECHNOLOGIES, vol.42, pp.331-350, 2019 (SCI-Expanded)
- VIII. **Dissolution kinetics of ulexite in phosphoric acid**
Tunc M.
ASIAN JOURNAL OF CHEMISTRY, vol.20, no.4, pp.3161-3170, 2008 (SCI-Expanded)
- IX. **Dissolution of colemanite in (NH₄)₂SO₄ solutions**
Tunc M., KOCAKERIM M. M., KUCUK O., ALUZ M.
KOREAN JOURNAL OF CHEMICAL ENGINEERING, vol.24, no.1, pp.55-59, 2007 (SCI-Expanded)
- X. **The dissolution kinetics of ulexite in sulphuric acid solutions**
Tunc M., YAPICI S., KOCAKERIM M., YARTASI A.
CHEMICAL AND BIOCHEMICAL ENGINEERING QUARTERLY, vol.15, no.4, pp.175-180, 2001 (SCI-Expanded)
- XI. **Dissolution mechanism of ulexite in H₂SO₄ solution**
Tunc M., KOCAKERIM M., YAPICI S., BAYRAKCEKEN S.
HYDROMETALLURGY, vol.51, no.3, pp.359-370, 1999 (SCI-Expanded)
- XII. **Determination of optimum conditions for dissolution of ulexite in sulphuric acid solutions**
Tunc M., CELIK C., COLAK S., KOCAKERIM M.
TRANSACTIONS OF THE INSTITUTION OF MINING AND METALLURGY SECTION C-MINERAL PROCESSING AND EXTRACTIVE METALLURGY, vol.108, 1999 (SCI-Expanded)
- XIII. **Dissolution of thermally dehydrated ulexite in sulfuric acid solution**
KUNKUL A., Tunc M., YAPICI S., ERSAHAN H., KOCAKERIM M.
INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH, vol.36, no.11, pp.4847-4851, 1997 (SCI-Expanded)
- XIV. **Dehydration kinetics of ulexite from thermogravimetric data**
Tunc M., ERSAHAN H., YAPICI S., COLAK S.
JOURNAL OF THERMAL ANALYSIS, vol.48, no.2, pp.403-411, 1997 (SCI-Expanded)
- XV. **FLASH DEHYDRATION OF ULEXITE AND INVESTIGATION OF DEHYDRATION KINETICS FROM THERMOGRAVIMETRIC DATA**
ERSAHAN H., TUNC M., EKMEKYAPAR A., YAPICI S.
THERMOCHIMICA ACTA, vol.250, no.1, pp.125-135, 1995 (SCI-Expanded)

Articles Published in Other Journals

- I. **Investigation dissolution behaviours and kinetics parameters of ulexite in boric acid solution**
Çalmlı M. H., Tunç M., Kocakerim M. M.

Investigation dissolution behaviours and kinetics parameters of ulexite in boric acid solution, vol.4, no.2, pp.121-129, 2020 (Peer-Reviewed Journal)

- II. **A semi_empirical kinetic model for dissolution of ulexite in aqueous acetic acid solutions**
Tunç M.
ENERGY EDUCATION SCIENCE AND TECHNOLOGY, vol.3, no.1, pp.1-10, 1999 (Peer-Reviewed Journal)
- III. **A Semi-empirical Kinetic Model for Dissolution of Ulexite in Aqueous Acetic Acid Solutions**
Tunç M., Kocakerim M. M., Gür A., Yartaşı A.
ENERGY EDUCATION SCIENCE AND TECHNOLOGY, vol.3, no.1, pp.1-10, 1999 (Peer-Reviewed Journal)
- IV. **supercritical fluid extaction of biomass energy**
Tunç M.
ENERGY EDUCATION SCIENCE AND TECHNOLOGY, vol.2, no.2, pp.1-5, 1999 (Peer-Reviewed Journal)
- V. **dissolution of ulexite in sulphuric acid solutions for high solid-to- liquid ratios energy**
Tunç M.
ENERGY EDUCATION SCIENCE AND TECHNOLOGY, vol.3, no.1, pp.32-41, 1999 (Peer-Reviewed Journal)
- VI. **Dissolution of Ulexite in Sulphuric Acid Solutions for High Solid-to-Liquid Ratios**
Tunç M., Gür A., Kocakerim M. M., Yartaşı A.
Energy, Education, Science and Thecnology, vol.3, no.1, pp.32-41, 1999 (Peer-Reviewed Journal)
- VII. **Piroliz Esnasında Aşkale linyitindeki Piritin Bozunma Kinetiğinin İncelenmesi**
Tunç M.
Doğa -Tr. J. of Chemistry, vol.14, pp.98-96, 1990 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Lycopodium Clavatum Biyolojik Sporları Esaslı TiO₂ Nano Kürelerinde Desteklenmiş Rutenyum(0) Nanokümelerinin Hazırlanması, Tanımlanması ve Amonyak-Boran Hidrolizindeki Katalitik Performanslarının Belirlenmesi**
Zahmakıran M., OZENSOY E., KARAKAS K., Tunç M., Erdoğan D. A.
V. Ulusal Anorganik Kimya Kongresi, Mersin, Turkey, 22 - 25 April 2015, pp.283
- II. **Dissolution Kinetics of Borax in Acetic Acid Solutions**
Tunç M.
Proceedings of 3 rd International Boron Symposium, Ankara, Turkey, 2 - 04 November 2006, pp.199-202
- III. **Dissolution Kinetics of Ulexite in Phosphoric Acid Solutions**
Tunç M.
Proceedings of 3 rd International Boron Symposium, Ankara, Turkey, 2 - 04 November 2006, pp.287-291
- IV. **Kolemanit'ten Oksidasyonla Arseniğın Giderilmesi**
Tunç M., Gür A.
XIV. Ulusal Kimya kongresi, Diyarbakır, Turkey, 10 - 15 September 2000, pp.496
- V. **Kinetic Study of Leaching of Colemanite ore by sulphuric Acid**
Tunç M.
İnternational Congeress of Chemical and Process Engineeering, Praha., Czech Republic, 27 - 31 August 2000, pp.223
- VI. **Yüksek Katı/Sıvı Oranlarında Uleksit'in H₂SO₄ Çözeltilerinde Çözünürleştirme Kinetiği**
Tunç M., Gür A., Kocakerim M. M., Çolak S.
XI.Ulusal Kimya Kongresi, Van, Turkey, 16 - 20 June 1997, pp.371

Supported Projects

Tunç M., KABADAYI T., Project Supported by Higher Education Institutions, Hidrazinboranın Metanolizi İçin Rutenyum Bazlı Katalizörlerin Geliştirilmesi ve Tanımlanması, 2020 - 2021

Tunç M., GÖZETEN İ., Project Supported by Higher Education Institutions, MWCNT Aktif Karbon ve Al₂O₃ Destekli Palladyum Nanokatalizörlerinin Sentezi Tanımlanması ve Cr₆nın Cr₃e İndirgenmesindeki Katalitik Performanslarının İncelenmesi, 2019 - 2021

Tunç M., TANYOL Ö., Project Supported by Higher Education Institutions, MWCNT Destekli Rodyum Nanokümlerinin Sentezi Tanımlanması Ve Hidrazin Boranın Hidrolizi İçin Reaksiyon Kinetiğinin İncelenmesi, 2017 - 2019

Tunç M., KAVAK N., Project Supported by Higher Education Institutions, Etkin bir katalizör olan aktif C destekli Rh nanokümlerinin N₂H₄BH₃'ın katalitik hidrolizinde katalitik performansının incelenmesi, 2017 - 2019

Tunç M., Project Supported by Higher Education Institutions, Aktif Karbon Destekli Bakır Nano Kümlerinin Hazırlanması Ve Amonyak-Boranın Hidrolizindeki Katalitik Performansının İncelenmesi, 2015 - 2018

Tunç M., Project Supported by Higher Education Institutions, Sodyum bor hidrürün hidrolizinden hidrojen üretimi için heterojen katalizörler geliştirilmesi ve tepkime kinetiği, 2015 - 2018

Tunç M., Project Supported by Higher Education Institutions, Aktif Karbon Destekli Kobalt Nano Kümlerinin Hazırlanması Ve Sodyum Bor Hidrürün Hidrolizindeki Katalitik Performansının İncelenmesi, 2015 - 2018

Tunç M., Project Supported by Higher Education Institutions, Heterojen Katalizör Eşliğinde Sulu Amonyak-Boran Çözeltilisinden Hidrojen Üretilmesi ve Tepkime Kinetiğinin Açıklanması, 2015 - 2018

Tunç M., Project Supported by Higher Education Institutions, uleksitin benzoik asit içinde çözünme kinetiği, 2013 - 2015

Tunç M., Project Supported by Higher Education Institutions, uleksitin borik asit çözeltisinde çözünme kinetiği, 2013 - 2015

Tunç M., Project Supported by Higher Education Institutions, Boraksın Benzoik asit çözeltisindeki çözünme kinetiği, 2011 - 2014

Tunç M., Project Supported by Higher Education Institutions, Uleksit Cevherinin Fosforik Asit Çözeltilisinde Çözünme Kinetiği, 2007 - 2009

Tunç M., İNAL V., Project Supported by Higher Education Institutions, Kolemanitin Nitrik Asit Çözeltilisinde Çözünme Kinetiği, 2007 - 2008

Tunç M., İREN H., Project Supported by Higher Education Institutions, YÜKSEK KATI/SIVI ORANLARINDA SORAKSİN NİRİK ASİT ÖZELTİSİ, 2002 - 2005

Tunç M., ALUZ M., Project Supported by Higher Education Institutions, Kolemanit Mineralinin Amonyum Sülfat Çözeltilerindeki Çözünürlüğü, 2000 - 2003

Tunç M., GÜR A., Project Supported by Higher Education Institutions, Uleksit cevherinin sülfirik asit çözeltilerindeki çözünme kinetiğinin incelenmesi, 1996 - 1997

Metrics

Publication: 31

Citation (WoS): 144

Citation (Scopus): 185

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H-Index (Scopus): 7