

Assoc. Prof. Yasemen KALPAKLI

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Education Information

Doctorate, Yıldız Technical University, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, Turkey 1990 - 1998

Postgraduate, Yıldız Technical University, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, Turkey 1986 - 1989

Undergraduate, Yıldız Technical University, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, Turkey 1982 - 1986

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Bazık Refrakter Endüstrisinde Proses Atıklarının Değerlendirilmesiyle Magnezit Krom Tuğlaların Üretimi, Yıldız Teknik Üniversitesi, Kimya Mühendisliği, Kimya Mühendisliği Bölümü, 1998

Postgraduate, Deterjan İçeren Bir Atık Sudan Lineer Alkil Sülfonat'ın (LAS) Aktif Karbon Adsorpsiyonu İle Temizlenmesi Ve Aktif Karbonun Rejenerasyonu, Yıldız Teknik Üniversitesi, Kimya Mühendisliği, Kimya Mühendisliği Bölümü, 1989

Research Areas

Chemical Engineering and Technology, Chemical Technologies, Environmental Chemistry and Technology, Inorganic Technologies, Quality Control and Management, Catalysis and Catalytic Processes, Physical Chemistry, Chemical Kinetics

Academic Titles / Tasks

Associate Professor, Yıldız Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Chemical Engineering, 2019 - Continues

Assistant Professor, Yıldız Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Chemical Engineering, 2018 - 2019

Assistant Professor, Yıldız Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of

Chemical Engineering, 2006 - 2018

Research Assistant PhD, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Chemical Engineering, 1999 - 2006

Courses

Postgraduate

Uzmanlık Alan Dersi , Postgraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2011 - 2012, 2009 - 2010

End. Atık Karak.Ve Değ.II, Postgraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014

End Atık Karak. Ve Değ I., Postgraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013

Yüksek Lisans Tez Yöneticiliği, Postgraduate, 2015 - 2016

Yüksek Lisans Tez Yöneticiliği, Postgraduate, 2013 - 2014

Endüstriyel.Atıkların Karak. Ve Değ, Postgraduate, 2011 - 2012, 2009 - 2010

Yüksek Lisans Tezi, Postgraduate, 2011 - 2012, 2009 - 2010

Undergraduate

Kataliz Ve Katalitik Prosesler, Undergraduate, 2021 - 2022, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015

Kimya Müh Lab III, Undergraduate, 2021 - 2022, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2011 - 2012, 2009 - 2010, 2008 - 2009, 2007 - 2008

Mühendisler için Fiziksel Kimya, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017

Bitirme Tez, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2013 - 2014

Kimya Müh. Uygulamaları, Undergraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016

Bitirme Çalışması, Undergraduate, 2015 - 2016

Bitirme Tezi, Undergraduate, 2014 - 2015

Bitirme Tezi , Undergraduate, 2014 - 2015

Katı ve Sıvı atıkların Değerlendirilmesi, Undergraduate, 2013 - 2014

Kimya Mühendisliği Uygulamaları, Undergraduate, 2014 - 2015

Kimya Mühendisliği Tas.Uygulamaları, Undergraduate, 2012 - 2013

Mesleki Terminoloji II, Undergraduate, 2012 - 2013, 2011 - 2012

Mesleki Termineoloji I , Undergraduate, 2011 - 2012, 2010 - 2011, 2009 - 2010

Kim. Müh. Tasarım Uyg, Undergraduate, 2011 - 2012

Katı ve Sıvı Atık Değ, Undergraduate, 2009 - 2010

Bitirme Tezi, Undergraduate, 2008 - 2009

Mesleki İngilizce II, Undergraduate, 2009 - 2010, 2008 - 2009

Supervised Theses

Kalpakh Y., SEVESO DİREKTİFİ KAPSAMINDA UYGULANAN PROSES GÜVENLİĞİ İÇİN RİSK ANALİZ METOTLARI: TEHLİKE VE İŞLETİLEBİLİRLİK İLE KORUMA KATMANLARI ANALİZİ, ALEVLENİR KİMYASAL BULUNDURAN KİMYASAL BİR TESİSTE UYGULAMASI, Postgraduate, S.Ağar(Student), 2024

Kalpakh Y., TİTANYUM DİOKSİT (TiO₂) TEMELLİ MAGNETİT İLE MODİFİYE EDİLMİŞ MEZO GÖZENEKLİ MALZEME SENTEZİ VE KARAKTERİZASYONU, Postgraduate, M.Özer(Student), 2024

Kalpakh Y., TİTANYUM DİOKSİT İÇEREN SERAMİK KAPLAMALARIN ANATAZ-RUTİL DÖNÜŞÜMÜ VE KRİSTAL BOYUTU DEĞİŞİMİNİN İNCELENMESİ: Al₂O₃, B₂O₃ VE SICAKLIĞIN ETKİSİ, Postgraduate, F.ALTINDAL(Student), 2024

Kalpakh Y., Asit Aktive Nano Bentonit Kullanılarak Sulu Çözeltilerden Kafein Adsorpsiyonunda Reaksiyon Değişkenlerinin Optimizasyonu, Postgraduate, M.Fakioğlu(Student), 2023

Kalpakh Y., Saflaştırılmış Sepiyolit ile Sulu Çözeltilerden Mono Azo Boyar Madde Bazik Mavi 41 (BB41) Adsorpsiyon

Karakteristiklerinin İncelenmesi, Postgraduate, H.Asa(Student), 2023
Kalpaklı Y., Çoklu Döküm Alçı Kalıp Karakterizasyonu Ve Kurutma Parametrelerinin İncelenmesi, Postgraduate, E.LEVENT(Student), 2019
Kalpaklı Y., Al₂O₃-ZrO₂-SiO₂(AZS) Refrakterlerin Korozyon Direncinin İncelenmesi, Postgraduate, İ.Acar(Student), 2017
Kalpaklı Y., Kompozit Fotokatalizörlerin Azo Boyar Madde(BY 28)Oksidasyon Kinetiğinin İncelenmesi, Postgraduate, B.Otsukarcı(Student), 2016
Kalpaklı Y., Modifiye edilmiş sepiyolit üzerine Pb(II), Cu(II) ve Cd(II) iyonlarının adsorpsiyonu, Postgraduate, H.CANSEV(Student), 2014
Kalpaklı Y., Medikal Atıklardan TiO₂ Üretimi, Modifikasyonu ve Uygulama Alanlarının Belirlenmesi, Postgraduate, J.Acer(Student), 2012
Kalpaklı Y., Bentonit-magnetit kompozitlerinin kurşun (II) ve bakır (II) adsorpsiyonunda kullanılması, Postgraduate, E.Atalay(Student), 2011
Kalpaklı Y., Alümina-Spinel-Zirkonya İle Çimentosuz Kendi Kendine Akan Dökülebilir Refrakter Geliştirilmesi, Postgraduate, A.Dombaycı(Student), 2007

Jury Memberships

Post Graduate, Post Graduate, Yıldız Teknik Üniversitesi, February, 2009

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **In situ boro-mullite phase formation in Glass–Ceramic glazes: Anatase–rutile phase transformations and microstructure properties**
Taşkiran F., Kalpaklı Y.
CERAMICS INTERNATIONAL, vol.50, pp.50667-50679, 2024 (SCI-Expanded)
- II. **The effect of in-situ Pr₆O₁₁ phase formation on photocatalytic Performance: Mono azo dye degradation**
Kalpaklı Y.
INORGANIC CHEMISTRY COMMUNICATION, no.159, pp.1-11, 2024 (SCI-Expanded)
- III. **Mechanism and behavior of caffeine sorption: affecting factors**
Fakioğlu M., Kalpaklı Y.
RSC ADVANCES, vol.41, no.12, pp.26504-26513, 2022 (SCI-Expanded)
- IV. **Strutural effect of cationic surfactant on heavy metal removal capacity of raw sepolite**
KALPAKLI Y., Cansev H.
INDIAN JOURNAL OF CHEMICAL TECHNOLOGY, vol.25, no.1, pp.61-67, 2018 (SCI-Expanded)
- V. **Effect of Dye Type on Montmorillonite-Supported Pr-Doped TiO₂ Composite Photocatalyst**
OTSUKARCI B., KALPAKLI Y.
ACTA PHYSICA POLONICA A, vol.130, no.1, pp.198-201, 2016 (SCI-Expanded)
- VI. **Equilibrium and kinetic study on the adsorption of basic dye (BY28) onto raw Ca-bentonite**
KALPAKLI Y., TOYGUN S., KONECOGLU G., AKGÜN M.
DESALINATION AND WATER TREATMENT, vol.52, pp.7389-7399, 2014 (SCI-Expanded)
- VII. **Effect of TiO₂ addition on Al₂TiO₅ (tialite) phase evolution of in situ MgAl₂O₄ formation zero cement castable (ZCC)**
Kalpaklı Y.
ADVANCES IN APPLIED CERAMICS, vol.113, no.5, pp.282-289, 2014 (SCI-Expanded)
- VIII. **Thermal behavior and dehydroxylation kinetics of naturally occurring sepiolite and bentonite**
Yilmaz M., KALPAKLI Y., Piskin S.
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, vol.114, no.3, pp.1191-1199, 2013 (SCI-Expanded)
- IX. **Comparative study for physical properties and corrosion mechanism of synthetic and in situ**

MgAl₂O₄ spinel formation zero cement refractory castables

Kalpaki Y.

IRONMAKING & STEELMAKING, vol.37, no.6, pp.414-424, 2010 (SCI-Expanded)

- X. **Synthesis and characterization of boehmitic alumina coated graphite by sol-gel method**
Yilmaz S., Kutmen-Kalpaki Y., Yilmaz E.
CERAMICS INTERNATIONAL, vol.35, no.5, pp.2029-2034, 2009 (SCI-Expanded)
- XI. **EFFECT OF MAGNESIA ADDITION ON PHYSICAL PROPERTIES AND SLAG ATTACK RESISTANCE OF ULTRA-LOW CEMENT CASTABLES (ULC)**
KALPAKLI Y., Yilmaz S.
CANADIAN METALLURGICAL QUARTERLY, vol.48, no.2, pp.177-185, 2009 (SCI-Expanded)
- XII. **Investigation of TiO₂-added refractory brick properties from calcined magnesite raw material**
Kalpakli Y.
REFRATORIES AND INDUSTRIAL CERAMICS, vol.49, no.4, pp.314-319, 2008 (SCI-Expanded)
- XIII. **Characterization of activated carbon and application of copper removal from drinking water**
Kalpakli Y., KOYUNCU İ.
ANNALI DI CHIMICA, vol.97, pp.1291-1302, 2007 (SCI-Expanded)
- XIV. **Effect of binder type and other parameters in synthesis of magnesite chromite refractories from process waste**
Kalpakli Y., GOKMEN S., OZGEN S.
JOURNAL OF THE EUROPEAN CERAMIC SOCIETY, vol.22, no.5, pp.755-759, 2002 (SCI-Expanded)

Articles Published in Other Journals

- I. Karabulut H. A., Kalpaklı Y.
Selçuk Üniversitesi Mühendislik, Bilim ve Teknoloji Dergisi, vol.10, no.1, pp.249-273, 2022 (Peer-Reviewed Journal)
- II. **Investigation of Adsorption Characteristic of Basic Blue 41 (BB41) onto Raw Kütahya Ca-Bentonite**
Demir B., Kalpaklı Y.
İğdır Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.10, no.1, pp.309-319, 2020 (Peer-Reviewed Journal)
- III. **Investigation of Equilibrium Adsorption Characteristics of Di Azo Dyes Basic Yellow 28 of H₂SO₄ Activated Kesan Region Bentonite**
Kalpaklı Y., Ekinci Ş., Ertaş D.
Uluslararası Mühendislik Araştırma ve Geliştirme Dergisi, vol.12, no.1, pp.217-225, 2020 (Peer-Reviewed Journal)
- IV. **DETERMINATION OF REACTION CONDITIONS OF THE ZINC ADSORPTION ONTO RAW Ca-BENTONITE**
Kalpaklı Y.
Ömer Halisdemir Üniversitesi Mühendislik Bilimleri Dergisi, vol.7, pp.1004-1012, 2018 (Peer-Reviewed Journal)
- V. **Removal of Cu (II) from aqueous solutions using magnetite: A kinetic, equilibrium study**
KALPAKLI Y.
ADVANCES IN ENVIRONMENTAL RESEARCH-AN INTERNATIONAL JOURNAL, vol.4, no.2, pp.119-133, 2015 (ESCI)
- VI. **Photocatalytic degradation of textile dye CI Basic Yellow 28 wastewater by Degussa P25 based TiO₂**
Konecoglu G., Toygun S., Kalpaklı Y., Akgün M.
ADVANCES IN ENVIRONMENTAL RESEARCH-AN INTERNATIONAL JOURNAL, vol.4, no.1, pp.25-38, 2015 (ESCI)
- VII. **GENERAL PRINCIPLES OF SOL - GEL**
Toygun Ş., Köneçoğlu G., Kalpaklı Y.
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES, vol.31, pp.456-476, 2013 (ESCI)
- VIII. **Effects of Particle Size Distribution on the Refractory Properties and Corrosion Mechanism of Ultra-Low Cement Castables**
Kalpaklı Y.
ARCHIVES OF MATERIALS SCIENCE AND ENGINEERING, vol.34, no.2, pp.81-88, 2008 (Scopus)
- IX. **Dökülebilir Refrakter Malzemeler**
Kalpaklı Y.

- Kimya Teknolojileri, no.4, pp.68-73, 2003 (Non Peer-Reviewed Journal)
- X. **Deterjanlarda kullanılan Yüzey Aktif Maddelerin İnsan ve Çevre Sağlığı Üzerindeki Etkileri**
KALPAKLI Y., ÖZKAN S.
Kimya Teknolojileri, pp.70-75, 2003 (Non Peer-Reviewed Journal)
- XI. **Suyun Buhar Soğutma Devrelerindeki Olumsuz Etkilerinin İncelenmesi**
BEKER Ü., KALPAKLI Y.
Kimya Teknolojileri, pp.72-76, 2002 (Non Peer-Reviewed Journal)
- XII. **Lineer Alkil Beben Sülfonatın Sulu Çözeltilerden Aktif Karbon İle Adsorpsiyonu**
Kalpaklı Y., Pişkin S.
Yıldız Teknik Üniversitesi dergisi, vol.1, pp.71-81, 2002 (Peer-Reviewed Journal)
- XIII. **Aktif Karbon Üretimi ve Kullanım Alanları**
KALPAKLI Y., BEKER Ü.
Kimya Teknolojileri, pp.70-74, 2002 (Non Peer-Reviewed Journal)
- XIV. **Kaolinitin Sinterlenmesiyle Mullit Eldesi**
KALPAKLI Y.
Kimya Teknolojileri, no.12, pp.74-77, 2001 (Non Peer-Reviewed Journal)
- XV. **Bazik Refrakter Hammaddeleri**
KALPAKLI Y.
Kimya Teknolojileri, no.12, pp.70-78, 2001 (Non Peer-Reviewed Journal)

Books

- I. **Killer, Modifikasyon Yöntemleri Ve Asit Aktivasyonu**
Kalpaklı Y., Topal A., Balkan A.
İKSAD International Publishing House, İstanbul, 2022

Papers Published in Refereed Scientific Meetings

- I. **Proses Güvenliği İçin Risk Analiz Metotları – Tehlike ve İş İletilebilirlik Analizi (Hazop) ve Koruma Katmanı Analizi (Lopa)**
Ağar S., Kalpaklı Y.
13. Uluslararası Akademik Araştırmalar Kongresi ICAR, İstanbul, Turkey, 7 - 08 May 2024, pp.238-239
- II. **AFFECT OF SINTERING TEMPERATURE ON PRODUCT PROPERTIES OF GLASS-CERAMIC GLAZES**
Altındal F., Kalpaklı Y.
2th INTERNATIONAL CONGRESS ON ENGINEERING AND SCIENCES, İstanbul, Turkey, 16 - 17 December 2023, pp.737
- III. **HAVA ATMOSFERİNDE FE₃O₄ SENTEZİ VE KARAKTERİZASYONU: BAZ ÇEŞİDİNİN ETKİSİ**
Özer M., Kalpaklı Y.
2. ULUSLARARASI MÜHENDİSLİK VE FEN BİLİMLERİ KONGRESİ, 16 - 17 December 2023, pp.767
- IV. **The Effect Of Ph On Caffeine Adsorption From An Aqueous Solution Onto Bentonite With Sulfuric Acid Activation**
Fakioğlu M., Kalpaklı Y.
8TH INTERNATIONAL CONFERENCE ON ENVIRONMENTAL SCIENCE AND TECHNOLOGY, İstanbul, Turkey, 18 - 22 May 2022, vol.1, pp.13
- V. **Synthesis and Characterization of Nd-Doped TiO₂ Photocatalysts**
Kalpaklı Y.
MSNG2017, Sarajevo, Bosnia And Herzegovina, 28 June 2017, pp.156
- VI. **Synthesis and Photocatalytic Performance of TiO₂- Pr Photocatalysis for Degradation of BB41**
Kalpaklı Y.

MSNG2017, Sarajevo, Bosnia And Herzegovina, 28 June 2017, pp.25

- VII. **Statistical Evaluation of the Leaching Process of 13X Zeolite by Acid Treatment**
Salt İ., Tursun S., Özyurt M., Kalpaklı Y.
1st International Conference on Materials Science and Nanotechnology for Next Generation (MSNG-2017), Sarajevo, Bosnia And Herzegovina, 28 - 30 June 2017, pp.196
- VIII. **ZSM-5 Zeolitinin Katı-sıvı Ekstraksiyonu İşleminin İstatistiksel Analizi**
Top S. S., Salt İ., Kalpaklı Y.
6. Ulusal Anorganik Kimya Kongresi, Burdur, Turkey, 18 - 21 May 2017, pp.57
- IX. **Performance Evaluation for the Photocatalytic Treatment of BB41 in a Batch Photo Reactor Using Degussa P25**
Altaş A. G., Kalpaklı Y., Akgün M.
Nano TR-12, İstanbul, Turkey, 03 June 2016, pp.189
- X. **Investigation of Corrosion Behaviour of Silimanite Refractories Using in Tableware Glass Furnaces**
Acar İ., Kalpaklı Y.
International Conference on Material Science and Technlology in Cappadocia, Nevşehir, Turkey, 06 April 2016, pp.259
- XI. **Comparison of 1 Nd and 1 Pr Doped 25 TiO₂ MMT Composite Photocatalyst Amount on Azo Dye Basic Yellow 28 Oxidation**
Otsukarcı B., Kalpaklı Y.
1st International Turkic World Conference on Chemical Sciences and Technologies-ITWCCST 2015, Skopje, Macedonia, 27 October - 01 November 2015, pp.72
- XII. **PHOTOCATALYTIC OXIDATION OF BY28 AND BB41 DYES UNDER UV A LIGHT IRRADIATION BY Nd DOPED TiO₂ MONTMORILLONITE NANOCOMPOSITE**
Otsukarcı B., Kalpaklı Y.
2nd INTERNATIONAL CONFERENCE ON COMPUTATIONAL AND EXPERIMENTAL SCIENCE AND ENGINEERING, Antalya, Turkey, 14 - 19 October 2015, pp.420
- XIII. **Effect of dye type on the photocatalytic performance of montmorillonite supported Pr Doped TiO₂ photocatalyst**
Başak O., Kalpaklı Y.
2nd International Conference on Computational and Experimental Science and Engineering, Antalya, Turkey, 14 - 19 October 2015, pp.354
- XIV. **The Production of HDTMA-Br Modified Sepiolite for Heavy Metal Removal**
Kalpaklı Y., Cansev H.
International Conference on Engineering and Natural Science, Skopje, Macedonia, 15 May 2015, pp.131
- XV. **Effect of Catalyst Amount on Azo Dye (Basic Yellow 28) Oxidation Using Pr Doped Tio₂-MMt Composite Photocatalyst**
Otsukarcı B., Kalpaklı Y.
International Conference on Engineering and Natural Science, Skopje, Macedonia, 15 May 2015, pp.105
- XVI. **Nd-TiO₂-MMT Kompozit Fotokatalizörlerin Azo Boyar madde (Basic Yellow 28) Oksidasyonu Üzerine Katalizör Miktarının Etkisi**
OTSUKARCI B., KALPAKLI Y.
Nanokon 2015, İstanbul, Turkey, 5 - 06 March 2015, vol.1, pp.46-54
- XVII. **Pr Doplu TiO₂ Nano Partiküllerin Fotokatalizör Olarak Azo Boyar Madde BY28 Oksidasyonunda Katalizör Miktarının Etkisi**
ÇATALTEPE E., KALPAKLI Y.
Nanokon-2015, Turkey, 5 - 06 March 2015, vol.1, pp.32-39
- XVIII. **REMOVAL OF Cu(II) FROM AQUEOUS SOLUTION BY USING MAGNETITE OBTAINED WITH CHEMICAL PRECIPITATION METHOD**
KALPAKLI Y.
13th International Conference on Microreaction Technology, Budapeşte, Hungary, 23 June 2014, pp.202
- XIX. **TEXTILE WASTEWATER TREATMENT AND KINETICS BY TiO₂ /MONTMORILLONITE PHOTOCATALYST**

PHOTOCATALYTIC DEGRADATION

KALPAKLI Y., Otsukarcı B., Akgün M.

İMRET 13, Budapeşte, Hungary, 23 June 2014, pp.55

- XX. **Removal of Cu(II) From Aqueous Solution by Using Magnetite Obtained With Chemical Precipitation Method**
KALPAKLI Y.
13th International Conference on Microreaction Technology, Budapest, Hungary, 23 - 25 June 2014, vol.202
- XXI. **Effect of Montmorillonite Support on the Photocatalytic Activity of Mesoporous 75%(wt) TiO₂/Montmorillonite Photocatalyst by Sol-Gel Processing**
KALPAKLI Y., Köneçoğlu G., Toygun Ş.
10 th Nanoscience and Nanotechnology conference, İstanbul, Turkey, 17 June 2014, pp.476
- XXII. **Sol-Jel Yöntemi ile Sentezlenen TiO₂/Montmorillonit Kompozitlerinin Fotokatalitik Davranışına Kalsinasyon Sıcaklığının Etkisi**
KALPAKLI Y.
1.Ulusal Kataliz Yaz Okulu, Malatya, Turkey, 24 August 2013, pp.23
- XXIII. **SYNTHESIS AND CHARACTERIZATION OF TiO₂/ MONTMORILLONITE PHOTOCATALYST**
Toygun Ş., KALPAKLI Y.
IUPAC, İstanbul, Turkey, 11 August 2013, pp.358
- XXIV. **TiO₂-Degussa P25 Photocatalytic Activity- Azo Dye, Water Purification**
Toygun Ş., KALPAKLI Y., Akgün M.
İstanbul International Solid Waste, Water and Wastewater Congress, İstanbul, Turkey, 22 May 2013, pp.547-548
- XXV. **Yaşlandırma Zamanının Etkisinin İncelendiği TiO₂ Nanokristal Tozlarının Üretimi ve Fotokatalitik Uygulamaları**
Köneçoğlu G., KALPAKLI Y., Gökçe H.
2. Ulusal Nanoteknoloji Kongresi, İstanbul, İstanbul, Turkey, 27 September 2012, pp.85-91
- XXVI. **Fotokatalizör Olarak Kullanılan TiO₂ Nanopartiküllerinin Üretiminde Yaşlandırma Zamanının Etkisi**
Köneçoğlu G., Toygun Ş., Kalpaklı Y.
2. Ulusal Nanoteknoloji Kongresi, İstanbul, İstanbul, Turkey, 27 September 2012, pp.2-9
- XXVII. **Kütahya Demirli Bentonitinin Saflaştırılması, Aktivasyonu ve Karakterizasyonu**
Toygun Ş., KALPAKLI Y., Uçar Demir T.
15. Ulusal Kil Sempozyumu, Niğde, Niğde, Turkey, 19 September 2012, pp.121-130
- XXVIII. **Dökülebilir Refrakterlerde Bağlayıcı Ve Hammadde Olarak Kullanılan ALÜMİNA Ve Özellikleri**
KALPAKLI Y.
2.Endüstriyel Fırınlar Ve Refrakter Sempozyumu Ve Sergisi, İzmir, Turkey, 03 May 2012, pp.22-30
- XXIX. **Structural Analysis and Photocatalytic Behavior of Fe Doped TiO₂ Powder Produced From Medical Waste Materials**
Acar J., KALPAKLI Y., Gökçe H., Öveçoğlu L.
12th MEDİTERRANEAN CONGRESS OF CHEMICAL ENGINEERING, Barselona, Spain, 15 November 2011, pp.16
- XXX. **The Role of Magnetite and Magnetite-Bentonite Composites for Adsorption of Pb(II) in Wastewater**
Poyraz Ç., Atalay E., Kalpaklı Y., Salt İ.
EURASIA 2011, İstanbul, İstanbul, Turkey, 14 - 16 November 2011, pp.562-571
- XXXI. **Production of TiO₂ Powder from Biomedical Wastes**
Acar J., KALPAKLI Y.
ICCPs 11, Zurich, Zürich, Germany, 11 August 2010, pp.12
- XXXII. **Investigation of Physical and Mechanical Properties of Alumina Coated Graphite Added Alumina Castanle Refractories**
Yılmaz E., KALPAKLI Y., YILMAZ S.
International Metallurgy and Materials Congress, 16 - 18 November 2008, vol.1, pp.113
- XXXIII. **Influence of In-situ Phase Formation on Physico-Mechanical Properties and Slag Penetration Mechanism of ULLC-Refractories**
KALPAKLI Y., Yılmaz S.

10th International Conference on Ceramic Processing Science (ICCPS-10), JAPAN, Inuyama, Aichi, Japan, 27 October 2008, pp.127

XXXIV. Coating of Graphite with Alumina By Sol-Gel Method and Their Characterisation

Yılmaz E., Yazıcı O., YILMAZ S., KALPAKLI Y.

10th International Conference on Ceramic Processing Science (ICCPS-10), 25 May - 28 October 2008, pp.99

XXXV. Investigation of Physical and Mechanical Properties of Alumina Coated Graphite Added Alumina Castable Refractories

Yılmaz E., KALPAKLI Y., Yılmaz S.

14. International Metallurgy and Materials Congress, İstanbul, Turkey, 16 October 2008, pp.113

XXXVI. Investigation of Adsorption Process for Cd(II) and Co(II) Ions from Aqueous Solution by Using Sepiolite

Kalpaklı Y., Yetişkin A., Tarhan Z., Salt İ.

International Conference 6th Aegean Analytical Chemistry Days, Denizli, Turkey, 09 October 2008, pp.416

XXXVII. Investigation of Properties of Graphite Added Alumina Low Cement Castables

Yılmaz E., Yazıcı O., KALPAKLI Y., Yılmaz S.

2nd International Congress on Ceramics, Verona-Italy, Verona, Italy, 09 June 2008, pp.1-7

XXXVIII. Coating of Graphite with Alumina by Sol-Gel Method and Their Characterizations

Yılmaz E., Yazıcı o., Yılmaz S., KALPAKLI Y.

10th International Conference on Ceramic Processing Science (ICCPS-10), JAPAN, Inuyama, Japan, 25 May 2008, pp.127

XXXIX. Effect of TiO₂ Addition and In-situ Phase Formation on Corrosion Mechanism of Zero-Cement Castables (ZCC)

KALPAKLI Y., Öveçoğlu L.

10th International Conference and Exhibition of the European Ceramic Society, Berlin, Berlin, Germany, 23 July 2007, pp.1866-1890

XL. Effect of Particle Size Distribution on the Refractory Properties and Corrosion Mechanism of Zero-Cement Castables (ZCC)

Dombaycı A., KALPAKLI Y., Öveçoğlu L.

10th International Conference and Exhibition of the European Ceramic Society, Berlin, Germany, 23 July 2007, pp.1891-1896

XLI. Research in the Production of Magnesite-Chromite Refractories with TiO₂ Addition from Calcine Magnesite Raw Material

KALPAKLI Y.

10th International Conference and Exhibition of the European Ceramic Society, Berlin, Germany, 23 July 2007, pp.1864-1869

XLII. Role of ZrO₂ Addition on the Refractory Properties Corrosion Mechanism of Zero-Cement Castables (ZCC)

KALPAKLI Y., Dombaycı A., Öveçoğlu L.

10th International Conference and Exhibition of the European Ceramic Society, Berlin, Berlin, Germany, 23 July 2007, pp.1903-1908

XLIII. Dökülebilir Refrakterlerde Bağlayıcı Ve Hammaddede Olarak Kullanılan Alumina Ve Özellikleri

KALPAKLI Y.

2. Endüstriyel Fırınlar Ve Refrakter Sempozyumu Ve Sergisi, Sakarya, Turkey, 3 May - 05 March 2007, vol.22

XLIV. Effect of In-situ Spinel Phase Formation on Corrosion Mechanism of Zero-Cement Castables (ZCC)

KALPAKLI Y., Yılmaz S.

13. International Metallurgy and Materials Congress, İstanbul, Turkey, 09 November 2006, pp.41

XLV. Investigation of Stoichiometric Spinel Addition on Resistance of Steel Slag of Zero-Cement Castables

KALPAKLI Y., Yılmaz S.

13. International Metallurgy and Materials Congress, İstanbul, Turkey, 09 November 2006, pp.51

XLVI. Investigation of Thermal Characteristic and Kinetic Parameters of Raw Magnesite by Using DTA/TG/DSC

- Yakar Elbeyli İ., KALPAKLI Y., PİŞKİN S.
13. International Metallurgy and Materials Congress, İstanbul, Turkey, 09 November 2006, pp.28
- XLVII. **The Effect of Heating Rates on Thermal Decomposition of Raw Magnesite**
KALPAKLI Y., Yakar Elbeyli İ., PİŞKİN S.
13. International Metallurgy and Materials Congress, İstanbul, Turkey, 09 November 2006, pp.29
- XLVIII. **MgCl₂ Bağlayıcı Magnezit Krom Refrakterlerde Kromit Kompozisyonu ve TiO₂ Katkısının Refrakter Özellikler Üzerindeki Etkisinin incelenmesi**
KALPAKLI Y.
Uluslar arası katılımlı seramik kongresi, Sakarya, Turkey, 30 October 2006, pp.193-198
- XLIX. **Removal of Cd(II) and Co(II) ions from aqueous solutions with strongly acidic cation exchange resin**
Kocaoba S., Kalpaklı Y., Salt İ.
5 th Aegean Analytical Chemistry Days, Greece, Thessaloniki, Greece, 5 - 08 October 2006, pp.86
- L. **Investigation of Ti₂(SO₄)₃ Added Refractory Brick Properties Production From Calcine Magnesite**
KALPAKLI Y.
Materials 2006,, Denizli, Turkey, 19 April 2006, pp.478-482
- LI. **Determination of Calcinations Characteristics of Konya Side Magnesite Ores**
KALPAKLI Y., Özgen S.
12. International Metallurgy and Materials Congress, İstanbul, Turkey, 28 September 2005, pp.1557-1565
- LII. **Effect of Particle Size Distribution on the Refractory Properties of Vibratory Zero-Cement Castables**
KALPAKLI Y.
12. International Metallurgy and Materials Congress, İstanbul, Turkey, 29 September 2005, pp.1472-1480
- LIII. **Effect of Process Parameters on Removal of Copper Using Citric Acid Activation of Commercial Active Carbon**
KALPAKLI Y., Koyuncu İ., AKÇİN N.
4 th Aegean Analytical Chemistry Days, Aydın, Turkey, 29 September 2004, pp.293-297
- LIV. **Determination of Copper for Optimization of Conditions in Wastewater Samples By Atomic Absorption Spectrofotometry**
KALPAKLI Y., Koyuncu İ., Akçin N.
4 th Aegean Analytical Chemistry Days, Aydın, Turkey, 29 September 2004, pp.304-308
- LV. **Determination of Copper in Water Sample Using Preconcentration with Commercial Active Carbon by Atomic Absorption Spectrofotometry**
Koyuncu İ., KALPAKLI Y., Akçin n.
4th Aegean Analytical Chemistry Days, Aydın, Turkey, 29 September 2004, pp.298-303
- LVI. **Activation of commercial active carbon with nitric acid**
Duranoğlu D., KALPAKLI Y., Beker Ü.
2nd Black Sea Basin Conference on Analytical Chemistry, İstanbul, Turkey, 14 September 2003, pp.282
- LVII. **Electrochemical Activation of Commercial Active Carbon at 25 C**
KALPAKLI Y., Duranoğlu D., Beker Ü.
2nd Black Sea Basin Conference on Analytical Chemistry, İstanbul, Turkey, 14 September 2003, pp.283
- LVIII. **Electrochemical Activation of Commercial Active Carbon at 25 °C**
KALPAKLI Y., DURANOĞLU DİNÇER D., BEKER Ü.
2nd Black Sea Basin Conference on Analytical Chemistry, 14 - 17 September 2003, pp.283
- LIX. **Türkiye de Jeotermal Enerji ve Kullanılabilirliği**
KALPAKLI Y., Beker Ü.
IV. Ulusal Temiz Enerji Sempozyumu, İstanbul, Turkey, 16 October 2002, pp.611-618
- LX. **Determination of process conditions in the brick production by using the process waste of fine particles of magnesite and chromite**
KALPAKLI Y., Gökmen S., Özgen S.
International Metallurgy and Materials Congress, İstanbul, Turkey, 24 May 2000, pp.1667-1676
- LXI. **Production of Magnesite- Chromite brick by regaining the process waste in the basic refractory industry**

Supported Projects

- Kalpaki Y., Dülger Kutlu Ö., Project Supported by Higher Education Institutions, Atık Sudaki Boyarmaddelerin Lignoselülozik Biokütle Kullanılarak Arıtılması Ve Türev Spektroskopik Yöntemle Analizi, 2024 - 2028
- KALPAKLI Y., Özer M., Project Supported by Higher Education Institutions, TiO₂ Temelli Magnetit ile Modifiye Edilmiş Mezo Gözenekli Malzeme Sentezi Ve Karakterizasyonu, 2022 - 2024
- Kalpaki Y., Fakioğlu M., Project Supported by Higher Education Institutions, Asit Aktive Bentonit Kullanılarak Sulu Çözeltilerden Kafein Adsorpsiyonunda Reaksiyon Değişkenlerinin Optimizasyonu, 2021 - 2023
- KALPAKLI Y., Project Supported by Higher Education Institutions, Kompozit Fotokatalizlerin Azo Boyar Madde BY(28) Oksidasyon Kinetiğinin İncelenmesi (2014-07-01-YL05), 2014 - 2016
- KALPAKLI Y., Project Supported by Higher Education Institutions, Al₂O₃-ZrO₂-SiO₂ (AZS) Refrakterlerin Korozyon Direncinin İncelenmesi (2014-07-01-YL01), 2014 - 2015
- Akgün M., Kalpaki Y., Project Supported by Higher Education Institutions, İleri Oksidasyon Sistemleri İçin Fotokatalizör Sentezi Ve Tekstil Atık Sularına Uygulanması, 2011 - 2015
- Salt İ., Bolat E., Kalpaki Y., Aydın N., Project Supported by Higher Education Institutions, Farklı Tip Zeolitlerin Yapısal Özelliklerinin Katı-Sıvı Ekstraksiyon Yöntemiyle Değiştirilmesi, 2010 - 2013
- KALPAKLI Y., Project Supported by Higher Education Institutions, Medikal Atıklardan TiO₂ Üretimi, Modifikasyonu ve Uygulama Alanlarının Belirlenmesi., 2011 - 2012
- KALPAKLI Y., Project Supported by Higher Education Institutions, Medikal Atıklardan TiO₂ üretimi, Modifikasyonu ve Uygulama Alanlarının Belirlenmesi(Proje No: 28-07-01-03), 2011 - 2012
- KALPAKLI Y., Project Supported by Higher Education Institutions, Atık Sulardaki Ağır Metallerin Adsorpsiyonu İçin Kil-Demir Oksit Manyetik Kompozitlerinin Hazırlanması, 2010 - 2012
- KALPAKLI Y., Project Supported by Higher Education Institutions, Kendi kendine akan vibrasyon ile uygulanan çimentosuz dökülebilir refrakterlerde yerinde spinel oluşumu ve TiO₂, ZrO₂ katkılarının refrakter özellikler ve cüruf korozyonu üzerindeki etkilerinin incelenmesi., 2008 - 2010
- KALPAKLI Y., TUBITAK Project, Sol Jel Yöntemiyle Grafitin Oksit Seramikle Kaplanması ve Kaplanmış Grafit Katkılı Alumina-Spinel Dökülebilir Refrakterlerin Üretimi ile Özelliklerinin Geliştirilmesi (106M318), 2006 - 2008
- KALPAKLI Y., Project Supported by Higher Education Institutions, Spinel bazlı çimentosuz hidrolik bağlı refrakter beton üretimi, 2004 - 2007
- Duranoğlu Dinçer D., Beker Ü., Kalpaki Y., TUBITAK Project, Farklı Aktivasyon Yöntemlerinin Aktif Karbon Özelliklerine Etkisi, 2002 - 2004
- KALPAKLI Y., Project Supported by Higher Education Institutions, Refrakter Malzemelerdeki Bağlayıcı ve Katkı Maddelerinin Refrakter Özellikler Üzerindeki Etkisi (92-B-07-01-03), 1993 - 1995

Peer Reviews in Scientific Publications

- Advances in environmental research, SCI Journal, November 2017
- JOURNAL OF MOLECULAR STRUCTURE, SCI Journal, September 2017
- Balıkesir Üniversitesi Fenbilimleri Enstitüsü Dergisi, National Scientific Refreed Journal, August 2017
- Advances in environmental research, SCI Journal, April 2017

Scientific Project Refereeing

- TUBITAK Project, 1008 - Patent Application Incentive and Support Program, April 2020
- TUBITAK Project, May 2018

TUBITAK Project, October 2017
TUBITAK Project, September 2014
TUBITAK Project, February 2013
TUBITAK Project, February 2007

Metrics

Publication: 96
Citation (WoS): 152
Citation (Scopus): 120
H-Index (WoS): 8
H-Index (Scopus): 5

Congress and Symposium Activities

ICG 2017 Annual Meeting & 32nd Sisecam Glass Symposium, Attendee, --Seçiniz--, Turkey, 2017
MSNG2017, Attendee, Sarajevo, Bosnia And Herzegovina, 2017
Uluslararası Katılımlı VI. Ulusal Anorganik Kimya Kongresi, Attendee, Turkey, 2017
Nano TR-12, Attendee, Turkey, 2016
International Conference on Material Science and Technology in Cappadocia, Attendee, Nevşehir, Turkey, 2016
2nd International Conference on Computational and Experimental Science and Engineering,, Attendee, Turkey, 2015
International Turkic World Conference on Chemical Sciences and Technologies (ITWCCST), Attendee, Sarajevo, Bosnia And Herzegovina, 2015
International Conference on Engineering and Natural Science, Attendee, Skopje, Macedonia, 2015
Nanokon 2015, Attendee, Turkey, 2015
13th International Conference on Microreaction Technology, Attendee, Budapest, Hungary, 2014
10 th Nanoscience and Nanotechnology conference, Attendee, Turkey, 2014
1.Ulusal Kataliz Yaz Okulu, Attendee, Turkey, 2013
IUPAC, Attendee, Turkey, 2013
, Istanbul International Solid Waste, Water and Wastewater Congress, Attendee, Turkey, 2013
15. Ulusal Kil Sempozyumu, Attendee, Turkey, 2012
2. Ulusal Nanoteknoloji Kongresi, Attendee, Turkey, 2012
2.Endüstriyel Fırınlar Ve Refrakter Sempozyumu Ve Sergisi, Attendee, Turkey, 2012
EURASIA 2011, Attendee, Turkey, 2011
12th MEDITERRANEAN CONGRESS OF CHEMICAL ENGINEERING, Attendee, Barcelona, Spain, 2011
ICCPs 11, Attendee, Zwickau, Germany, 2010
14. International Metallurgy and Materials Congress, Attendee, İstanbul, Turkey, 2008
10th International Conference on Ceramic Processing Science (ICCPs-10), Attendee, Iruma, Japan, 2008
2nd International Congress on Ceramics, Attendee, Verona, Italy, 2008
10th International Conference and Exhibition of the European Ceramic Society, Attendee, Berlin, Germany, 2007
13. International Metallurgy and Materials Congress, Attendee, Turkey, 2006
Uluslararası katılımlı seramik kongresi, Attendee, Turkey, 2006
5 th Aegean Analytical Chemistry Days, Attendee, Thessaloniki, Greece, 2006
Materials 2006, Attendee, Turkey, 2006
12. International Metallurgy and Materials Congress, Attendee, Turkey, 2005
4 th Aegean Analytical Chemistry Days, Attendee, Aydın, Turkey, 2004
Proceedings of the 2nd International Boron Symposium, Attendee, Eskişehir, Turkey, 2004
2nd Black Sea Basin Conference on Analytical Chemistry, Attendee, İstanbul, Turkey, 2003
IV. Ulusal Temiz Enerji Sempozyumu, Attendee, Turkey, 2002

International Metalurgy and Materials Congress, Attendee, Turkey, 2000

Unified International Technical Conference on Refractories, Attendee, Berlin, Germany, 1999