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Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: O-5131-2019

ScopusID: 56466059600

Yoksis Researcher ID: 180719

Education

Doctorate, Anadolu University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği (Dr), Turkey 2011 - 2017

Postgraduate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Kimya Mühendisliği (Yl) (Tezli), Turkey 2009 - 2011

Undergraduate, Anadolu University, İşletme Fakültesi, İşletme Bölümü, Turkey 2005 - 2010

Undergraduate, Anadolu University, Mühendislik - Mimarlık Fakültesi, Kimya Mühendisliği Bölümü, Turkey 2004 - 2008

Dissertations

Doctorate, Farklı organik atıklardan zift esaslı karbon fiber üretimi ve karakterizasyonu, Anadolu University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği (Dr), 2017

Postgraduate, Production and characterization of activated carbon from pistachio-nut shell, Middle East Technical University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği (Yl) (Tezli), 2011

Research Areas

Chemical Engineering and Technology

Academic and Administrative Experience

Bilecik Seyh Edebali University, 2021 - Continues

Bilecik Seyh Edebali University, 2020 - Continues

Courses

Postgraduate

KMH7000 UZMANLIK ALAN, Postgraduate, 2020 - 2021

BYT5999 BİLİM ETİĞİ VE ARAŞTIRMA TEKNİKLERİ, Postgraduate, 2020 - 2021

KMH5016 İLERİ ISI AKTARIMI, Postgraduate, 2020 - 2021

KMH5012 İLERİ AKIŞKANLAR MEKANİĞİ, Postgraduate, 2020 - 2021
KMH5000 TEZ ÇALIŞMASI, Postgraduate, 2020 - 2021
ESM522 YAKITLAR VE YANMA TEKNOLOJİSİ, Postgraduate, 2019 - 2020
KMH516 İLERİ KARAKTERİZASYON TEKNİKLERİ, Postgraduate, 2018 - 2019

Undergraduate

KSM410 LİSANS ARAŞTIRMA PROJESİ, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019
KSM408 KİMYA MÜHENDİSLİĞİ LABORATUVARI II, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018
KSM203 KİMYA VE PROSES MÜHENDİSLİĞİ TEMEL PRENSİPLERİ, Undergraduate, 2020 - 2021, 2018 - 2019
KSM407 KİMYA MÜHENDİSLİĞİ LABORATUVARI I, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019
KSM409 BİTİRME ÖDEVİ, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019
KSM429 KİMYASAL PROSES EKİPMANLARI, Undergraduate, 2019 - 2020
KSM206 KİMYA MÜHENDİSLİĞİ TERMODİNAMİĞİ, Undergraduate, 2019 - 2020
MLZ 223 POLYMER CHEMISTRY (POLİMER KİMYASI), Undergraduate, 2019 - 2020
MMM306 POLİMER MALZEMELER, Undergraduate, 2019 - 2020
KSM201 MÜHENDİSLİK TERMODİNAMİĞİ, Undergraduate, 2019 - 2020
KSM414 POLİMER TEKNOLOJİSİNE GİRİŞ, Undergraduate, 2019 - 2020
KİM205 ANALİTİK KİMYA LABORATUVARI, Undergraduate, 2018 - 2019
KSM302 MATEMATİKSEL MODELLEME, Undergraduate, 2018 - 2019, 2017 - 2018
KİM208 ORGANIC CHEMISTRY (ORGANİK KİMYA), Undergraduate, 2018 - 2019
KİM327 ORGANIC CHEMISTRY (ORGANİK KİMYA), Undergraduate, 2018 - 2019
KSM306 TEMEL MALZEME BİLİMİ, Undergraduate, 2018 - 2019, 2017 - 2018
KİM 230 ANALYTICAL CHEMISTRY LABORATORY (ANALİTİK KİMYA LABOATUVARI), Undergraduate, 2018 - 2019
KİM103 GENEL KİMYA, Undergraduate, 2017 - 2018

Journal articles indexed in SCI, SSCI, and AHCI

- I. **Production of Sulphur-Doped Graphene Oxide as an Anode Material for Na-Ion Batteries**
Almarzoge M., GENÇTEN M., ÖZSİN G.
ECS Journal of Solid State Science and Technology, vol.13, no.7, 2024 (SCI-Expanded)
- II. **Influence of aging on the rheological behavior and characteristics of bio-oil produced from olive pomace via slow pyrolysis**
Ayyash A., Varol E. A., Kılıç M., ÖZSİN G.
Biomass Conversion and Biorefinery, vol.14, no.8, pp.9653-9666, 2024 (SCI-Expanded)
- III. **Potential of microwave-assisted hydrothermal modification for enhanced fly ash adsorption capacity toward to heavy metals: A comprehensive investigation of adsorbent characterization, isotherms, kinetics, and thermodynamics**
ÖZSİN G., Varol E. A.
Separation Science and Technology (Philadelphia), vol.59, no.1, pp.71-86, 2024 (SCI-Expanded)
- IV. **A combined phenomenological artificial neural network approach for determination of pyrolysis and combustion kinetics of polyvinyl chloride**
ÖZSİN G., ALPASLAN TAKAN M., Takan A., Pütün A. E.
International Journal of Energy Research, vol.46, no.12, pp.16959-16978, 2022 (SCI-Expanded)
- V. **Effective separation of petroleum oil-water mixtures via flexible and re-usable hydrophobic soot-coated melamine sponge**
Nazhipkyzy M., Assylkhanova D., Araylim N., Seitkazinova A., ÖZSİN G., Varol E. A.
Journal of Water Process Engineering, vol.49, 2022 (SCI-Expanded)
- VI. **An investigation on pyrolysis of textile wastes: Kinetics, thermodynamics, in-situ monitoring of evolved gasses and analysis of the char residue**
ÖZSİN G., Pütün A. E.
Journal of Environmental Chemical Engineering, vol.10, no.3, 2022 (SCI-Expanded)

- VII. **Pyrolysis of petroleum sludge under non-isothermal conditions: Thermal decomposition behavior, kinetics, thermodynamics, and evolved gas analysis**
ÖZSİN G., Apaydın-Varol E., Kılıç M., Pütün A. E., Pütün E.
Fuel, vol.300, 2021 (SCI-Expanded)
- VIII. **A thermo-kinetic study on co-pyrolysis of oil shale and polyethylene terephthalate using TGA/FT-IR**
ÖZSİN G., Kılıç M., Apaydın-Varol E., Pütün A. E., Pütün E.
Korean Journal of Chemical Engineering, vol.37, no.11, pp.1888-1898, 2020 (SCI-Expanded)
- IX. **Environmental-friendly production of carbon fiber from isotropic hybrid pitches synthesized from waste biomass and polystyrene with ethylene bottom oil**
ÖZSİN G., Pütün A. E., Nakabayashi K., Miyawaki J., Yoon S.
Journal of Cleaner Production, vol.239, 2019 (SCI-Expanded)
- X. **Investigating the interactions between lignocellulosic biomass and synthetic polymers during co-pyrolysis by simultaneous thermal and spectroscopic methods**
ÖZSİN G., Pütün A. E., Pütün E.
Biomass Conversion and Biorefinery, vol.9, no.3, pp.593-608, 2019 (SCI-Expanded)
- XI. **A comparative study on co-pyrolysis of lignocellulosic biomass with polyethylene terephthalate, polystyrene, and polyvinyl chloride: Synergistic effects and product characteristics**
ÖZSİN G., Pütün A. E.
Journal of Cleaner Production, vol.205, pp.1127-1138, 2018 (SCI-Expanded)
- XII. **Pitch based carbon fiber production Zift esaslı karbon fiber üretimi**
ÖZSİN G., Pütün A. E.
Journal of the Faculty of Engineering and Architecture of Gazi University, vol.33, no.4, pp.1433-1444, 2018 (SCI-Expanded)

Articles Published in Other Journals

- I. **Ahşap Plastik Kompozit Malzemelerin Çevresel Sürdürülebilirlik Uygulamaları: Yaşam Döngüsü Değerlendirmesi**
ÇOLAK BAYRAM G., ATILGAN TÜRKMEN B., ÖZSİN G.
Bilecik Şeyh Edebali Üniversitesi Fen Bilimleri Dergisi, vol.11, no.2, pp.437-450, 2024 (Peer-Reviewed Journal)
- II. **Sürdürülebilir Ahşap Plastik Kompozit Malzemeler: Hammaddeler, Yapısal Özellikler, Üretim Süreçleri ve Güncel Eğilimler**
ÇOLAK BAYRAM G., ÖZSİN G., ATILGAN TÜRKMEN B.
Gazi Journal of Engineering Sciences, vol.10, no.2, pp.264-280, 2024 (Peer-Reviewed Journal)
- III. **An Investigation on the Thermal Degradation Kinetics of Wood-Polymer Composites Used in Interior Automobile Panels via Non-Isothermal Thermogravimetry**
Özsin G.
International Journal of Automotive Science and Technology, vol.8, no.3, pp.312-321, 2024 (Scopus)
- IV. **Thermokinetic and thermodynamics of Pechini derived $\text{Li}_7\text{--}3\text{xAl}_\text{x}\text{La}_3\text{Zr}_{20}\text{12}$ ($\text{X} = 0.0\text{--}0.2$) xerogel decomposition under oxidative conditions**
Özsin G., Dermenci K. B., Turan S.
Journal of Thermal Analysis and Calorimetry, vol.146, no.3, pp.1405-1420, 2021 (Scopus)
- V. **Değerli Metal Katalizörlerde Katalizör Destek Malzemesi Olarak Biyotabanlı Malzemelerin Üretilmesi ve Karakterizasyonu**
YAMAN E., GÖKMEN F. Ö., TEMEL S., ÖZBAY N., ÖZSİN G.
Avrupa Bilim ve Teknoloji Dergisi, vol.23, pp.181-188, 2021 (Peer-Reviewed Journal)
- VI. **A review on the use of carbon nanostructures as anodes of Na-ion batteries**
ÖZSİN G.
JOURNAL OF POLYTECHNIC-POLİTEKNİK DERGISİ, vol.24, no.3, pp.1151-1170, 2021 (ESCI)
- VII. **Application of master-plots kinetic method to non-isothermal cellulose pyrolysis and thermodynamic**

analysis of the pyrolysis process

ÖZSİN G.

Bilecik Şeyh Edebali Üniversitesi Fen Bilimleri Dergisi, vol.7, no.1, pp.320-335, 2020 (Peer-Reviewed Journal)

VIII. **Chemically activated carbon production from agricultural waste of chickpea and its application for heavy metal adsorption: equilibrium, kinetic, and thermodynamic studies**

Özsin G., Kılıç M., Apaydın-Varol E., Pütün A. E.

Applied Water Science, vol.9, no.3, 2019 (Scopus)

IX. **Termal analiz ile birleştirilmiş spektral yöntemlerin kullanımı ile biyokütle pirolizinin incelenmesi**

ÖZSİN G.

Balıkesir Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.20, pp.315-329, 2018 (Peer-Reviewed Journal)

X. **Biosorption Behaviour of an Arid Land Plant, Euphorbia rigida, Towards to Heavy Metals: Equilibrium, Kinetic and Thermodynamic Studies**

KILIÇ M., ÖZSİN G., VAROL E., PUTUN A. E.

Hittite Journal of Science and Engineering, vol.4, no.2, pp.105-115, 2017 (Peer-Reviewed Journal)

XI. **Production of Microwave Induced Activated Carbon and Its Application to Remove Phenol from Aqueous Solutions**

ÖZSİN G., PÜTÜN E., KILIÇ M., AYŞE EREN P.

Journal of Selcuk University Natural and Applied Science, vol.2, pp.278-288, 2013 (Peer-Reviewed Journal)

XII. **Modeling and Optimization of Activated Carbon Production and Methylene Blue Adsorption by Using Response Surface Methodology**

DÖNER G. S., KILIÇ M., ÖZSİN G., PÜTÜN A. E.

Journal of Selcuk University Natural and Applied Science, vol.2, pp.199-207, 2013 (Peer-Reviewed Journal)

XIII. **A Kinetic Study on the Pyrolysis of Hemp Stalk using Thermogravimetric Analysis**

ÖZSİN G., VAROL E., KILIÇ M., PÜTÜN A. E.

Journal of Selcuk University Natural and Applied Science, vol.2, pp.818-827, 2013 (Peer-Reviewed Journal)

Books

I. **Thermal Characteristics, Stability, and Degradation of PVC Composites and Nanocomposites**

ÖZSİN G., KILIÇ M., KIRBIYIK KURUKAVAK Ç., VAROL E.

in: Poly(Vinyl Chloride) Based Composites and Nanocomposites, Akhina H, Thomas S, Editor, Springer, pp.293-318, 2023

Papers Presented at Peer-Reviewed Scientific Conferences

I. **Asidik demineralizasyonun linyit kömürlerinin piroliz ürünlerine etkisi**

VAROL E., KILIÇ M., ÖZSİN G., UZUN AKINLAR B. B., PÜTÜN A. E., PÜTÜN E.

UKK-4- Ulusal Karbon Konferansı, İstanbul, Turkey, 28 March 2024, (Full Text)

II. **PFO-derived carbons for supercapacitor applications: Effects of production conditions, activation and electrolyte on the electrochemical performance**

YILDIZ E., YAŞA S., ÖZSİN G., GENÇTEN M.

UKK 4- 4. Karbon Konferansı, İstanbul, Turkey, 28 - 29 March 2024, (Full Text)

III. **Farklı kömürlerin karbonizasyonunda demineralizasyon sürecinin etkisi**

VAROL E., KILIÇ M., ÖZSİN G., UZUN B. B., PÜTÜN A. E., PÜTÜN E.

UKMK 15-15. Ulusal Kimya Mühendisliği Kongresi, Çanakkale, Turkey, 4 - 07 September 2023, (Full Text)

IV. **Investigation on Kinetics and Thermodynamics of Poly (methyl methacrylate) (PMMA) by Artificial Neural Network Modelling**

ALPASLAN TAKAN M., ÖZSİN G.

International Conference on Engineering Technologies (ICENTE'22), Konya, Turkey, 17 November 2022,

(Summary Text)

- V. **Investigation on Kinetics of Poly(methyl methacrylate)-PMMA degradation by Artificial Neural Network Modeling**
ALPASLAN TAKAN M., ÖZSİN G.
ICENTE22-International Conference on Engineering Technologies, Konya, Turkey, 17 November 2022, (Summary Text)
- VI. **Preparation of activated carbon from pine and elm sawdust for supercapacitor applications**
Nazhipkyzy M., Sultakhan S., Maltay A., Assylkhanova D., VAROL E., ÖZSİN G.
International Chemistry Conference-CHEMEET2022, India, 27 June 2022, (Summary Text)
- VII. **Production of functional carbon materials and synthetic fuels via pyrolysis and co-pyrolysis techniques**
ÖZSİN G., PÜTÜN A. E.
XII International Symposium "Combustion Plasmochemistry, Physics and Chemistry of Material Science", Almaty, Kazakhstan, 12 - 13 October 2021, (Summary Text)
- VIII. **ИСПОЛЬЗОВАНИЕ НАНОСТРУКТУРНОЙ САЖИ И МОДИФИЦИРОВАННОГО ДИАТОМИТА ДЛЯ ОЧИСТКИ ВОДЫ**
Асылханова Д., Нажиқызы М., Тауанов Ж., VAROL E., ÖZSİN G.
XII International Symposium "Combustion Plasmochemistry, Physics and Chemistry of Material Science", Almaty, Kazakhstan, 12 - 13 October 2021, (Summary Text)
- IX. **Studies of Porous Carbons Based on Food Wastes**
Kurmanbayeva G., Zekenova A., Seitkazinova A., Ustaeva G., Nazhipkyzy M., Niyazbaeva A., VAROL E., ÖZSİN G.
XII International Symposium "Combustion Plasmochemistry, Physics and Chemistry of Material Science", Almaty, Kazakhstan, 12 - 13 October 2021, (Summary Text)
- X. **Improving the water holding capacity of sandy soil by sustainable biochar utilization: Effect of particle size**
VAROL E., ALİYEYEV A., KILIÇ M., ÖZSİN G., NAZHİPNSKY M.
XII International Symposium "Combustion Plasmochemistry, Physics and Chemistry of Material Science", Almaty, Kazakhstan, 12 - 13 October 2021, (Summary Text)
- XI. **Hiper-Kömürden Yüksek Gözenekli Karbon Köpük Üretimi ve Karbondioksit Depolanmasında Kullanımı**
KILIÇ M., ÖZSİN G., VAROL E., PÜTÜN A. E., PÜTÜN E.
UKMK 14- 14. Ulusal Kimya Mühendisliği Kongresi, Turkey, 10 June 2021, (Summary Text)
- XII. **Mikrodalga Destekli Alkali Hidrotermal Modifikasyon ile Uçucu Külün Adsorpsiyon Kapasitesinin Geliştirilmesi ve Adsorpsiyon Sürecinin İzoterm, Kinetik ve Termodinamik Analizi**
DÜZGÜN A., ÖZSİN G.
UKMK 14- 14. Ulusal Kimya Mühendisliği Kongresi, Turkey, 10 June 2021, (Summary Text)
- XIII. **Artificial Neural Network Modeling for The Prediction of Kinetic Parameters of Single-Stage Degrading Polymers**
ÖZSİN G., ALPASLAN TAKAN M., PÜTÜN A. E.
ICONDATA 21-International Conference on Data Science and Applications, Turkey, 4 - 06 June 2021, (Summary Text)
- XIV. **Preparation and Characterization of Metal Oxide Loaded Activated Carbon Anodes for Li-ion Battery Applications**
KILIÇ M., DENİZ Y., ÖZSİN G., DERMENCİ K. B., VAROL E., TURAN S.
3. Ulusal Karbon Konferansı, Turkey, 11 March 2021, (Summary Text)
- XV. **Synthesis of Hyper Coal/PFO Hybrid Pitches as Carbon Foam Precursor**
ÖZSİN G., KILIÇ M., VAROL E., PÜTÜN A. E., PÜTÜN E.
3. Ulusal Karbon Konferansı, Turkey, 11 March 2021, (Summary Text)
- XVI. **Characterization and Stability of Pyrolytic Oil Produced From Olive Residue**
Ayyash A., VAROL E., KILIÇ M., ÖZSİN G.
15th International Combustion Symposium, Kayseri, Turkey, 17 - 19 September 2020, pp.369-373, (Full Text)

- XVII. **Valorization of waste materials for the preparation of sustainable carbon materials and their potential applications**
ÖZSİN G.
46th Annual Conference of the Carbon Society of Japan, Okayama, Japan, 28 - 30 November 2019, (Summary Text)
- XVIII. **Isotropic Pitch Preperation from Bio-oil and PVC Blends**
BİLGİÇ N., ÖZSİN G., KILIÇ M., VAROL E.
CARBON 2018-The Annual World Conference on Carbon, 1 - 06 July 2018, (Summary Text)
- XIX. **Preperation of Isotropic Pitch-Based Carbon Fiber from Pyrolytic Oils of Biomass and Polystyrene with Ethylene Bottom Oil**
ÖZSİN G., PÜTÜN A. E., NAKABAYASHI K., MIYAWAKI J., YOON S. H.
CARBON 2018-The Annual World Conference on Carbon, 1 - 06 July 2018, (Summary Text)
- XX. **Effect of Hydrothermal Pretreatment on the Porosity of Pyrolytic Char**
VURAL E. G., KILIÇ M., ÖZSİN G., VAROL E.
CARBON 2018-The Annual World Conference on Carbon, 1 - 06 July 2018, (Summary Text)
- XXI. **The Role of Synthetic Polymers During Co-Pyrolysis with Lignocellulosic Biomass: A Comparative TGA/MS/FT-IR Study**
ÖZSİN G., PÜTÜN A. E., PÜTÜN E.
22nd International Symposium on Analytical and Applied Pyrolysis, 3 - 08 June 2018, (Summary Text)
- XXII. **Enhancement of Adsorptive Capacity of Bio-chars Towards to Synthetic Dyes Produced by Slow Pyrolysis**
ÖZSİN G., ÖZBAY N.
22nd International Symposium on Analytical and Applied Pyrolysis, 3 - 08 June 2018, (Summary Text)
- XXIII. **Pyrolysis and Co-Pyrolysis Characteristics of Biomass and PVC Using TGA/MS/FT-IR Technique**
ÖZSİN G., PÜTÜN A. E.
22nd International Symposium on Analytical and Applied Pyrolysis, 3 - 08 June 2018, (Summary Text)
- XXIV. **Atık Biyokütlelerin Zift Esaslı Karbon Fiber Üretiminde Kullanımı**
ÖZSİN G., PÜTÜN A. E.
2. Ulusal Karbon Konferansı, Turkey, 16 March 2018, (Summary Text)
- XXV. **Thermochemical Conversion of Biomass into Carbonaceous Products: Effect of Pretreatment Methods**
VURAL E. G., KILIÇ M., ÖZSİN G., UZUN B. B., VAROL E.
2. Ulusal Karbon Konferansı, Turkey, 16 March 2018, (Summary Text)
- XXVI. **Karbonlu Malzeme Üretimi İçin Biyo-Zift Eldesi ve İşlem Parametrelerinin Zift Özelliklerine Etkisi**
ÖZSİN G., PÜTÜN A. E.
2. Ulusal Karbon Konferansı, Turkey, 16 March 2018, (Summary Text)
- XXVII. **Orman Endüstrisi Atıklarının Biyo-zift Üretiminde Değerlendirilmesi**
BİLGİÇ N., ÖZSİN G., KILIÇ M., VAROL E.
2. Ulusal Karbon Konferansı, Turkey, 16 March 2018, (Summary Text)
- XXVIII. **Producing activated carbons with enhanced porosity from pinus pinea cone via chemical activation**
VAROL E., KILIÇ M., ÖZSİN G., ÖZBAY N.
3rd International Porous and Powder Materials Symposium and Exhibition PPM 2017, 12 - 15 September 2017, (Full Text)
- XXIX. **Removal of low-concentrated heavy metal ion from aqueous solution via char**
VAROL E., KILIÇ M., ÖZSİN G., UZUN B. B.
3rd International Porous and Powder Materials Symposium and Exhibition PPM 2017, 12 - 15 September 2017, (Full Text)
- XXX. **Kinetic and thermodynamic analysis of co-carbonization of biomass with polystyrene**
ÖZSİN G., PÜTÜN A. E.
The 14th Japan-China-Korea Joint Symposium on Carbon Saves Earth, CSE 2016, 27 - 30 September 2016, (Summary Text)
- XXXI. **Pyrolysis and gasification of waste fruit shells**

KILIÇ M., ÖZSİN G., VAROL E.

11th Conference on Sustainable Development of Energy, Water and Environment Systems, SDEWES 2016, 4 - 09 September 2016, (Summary Text)

XXXII. Adsorption of diesel/gasoline onto crude oil sludge chars produced by steam pyrolysis

KILIÇ M., ÖZSİN G., PÜTÜN E., VAROL E., PÜTÜN A. E.

11th Conference on Sustainable Development of Energy, Water and Environment Systems, SDEWES 2016, 4 - 09 September 2016, (Full Text)

XXXIII. Pyrolysis kinetics and thermogravimetric characteristics of crude oil sludge using TG/FT-IR/MS

KILIÇ M., ÖZSİN G., PÜTÜN E., VAROL E., PÜTÜN A. E.

1st International Black Sea Congress on Environmental Sciences, 31 August - 03 September 2016, (Full Text)

XXXIV. Thermal degradation and pyrolysis behavior of brewed tea waste by TG/FT-IR/MS: Kinetics and evolved gas analysis

KILIÇ M., ÖZSİN G., SARAÇOĞLU E., VAROL E.

1st International Black Sea Congress on Environmental Sciences, 31 August - 03 September 2016, (Full Text)

XXXV. Filtre Kahve Atıklarının TG/MS/FT-IR ile Termal Bozunma Davranışı ve Piroliz Kinetiğinin İncelenmesi

KILIÇ M., ÖZSİN G., VAROL E.

12. Ulusal Kimya Mühendisliği Kongresi, UKMK-12, Turkey, 23 - 26 August 2016, (Full Text)

XXXVI. Effect of process parameters on bio-pitch production through vacuum distillation

ÖZSİN G., PÜTÜN A. E.

The Annual World Conference on Carbon, Carbon 2016, 10 July - 15 October 2015, (Summary Text)

XXXVII. Preperation and characterization of activated carbons by K₂CO₃ chemical activation and its adsorption behavior of Pb(II) and Ni(II) ions from aqueous solutions

KILIÇ M., PÜTÜN E., ÖZSİN G., PÜTÜN A. E.

10th European Congress of Chemical Engineering, 27 September - 01 October 2015, (Summary Text)

XXXVIII. Bio-chars as highly effective and low-cost adsorbent for batch adsorption of organic dye prepared from brewed tea waste: Equilibrium, kinetic and thermodynamic studies

ÖZSİN G., PÜTÜN E., KILIÇ M., PÜTÜN A. E.

10th European Congress of Chemical Engineering, 27 September - 01 October 2015, (Summary Text)

XXXIX. Thermogravimetric analysis of oil shale and lignite

KILIÇ M., PÜTÜN A. E., ÖZSİN G., PÜTÜN E.

10th European Congress of Chemical Engineering, 27 September - 01 October 2015, (Summary Text)

XL. Catalytic Pyrolysis of Oil Sludge Over ZSM-5 Catalyst for Hydrocarbon Production

KILIÇ M., ÖZSİN G., PÜTÜN E., VAROL E., PÜTÜN A. E.

The Annual World Conference on Carbon, Carbon 2015, 12 - 17 July 2015, (Summary Text)

XLI. Co-pyrolysis of Oil Shale-PET Mixtures using TGA/FT-IR: Kinetics and Evolved Gas Analysis

ÖZSİN G., KILIÇ M., AYŞE EREN P., PÜTÜN E.

The Annual World Conference on Carbon, Carbon 2015, 12 - 17 July 2015, (Summary Text)

XLII. Effect of Activation Temperature on The Textural and Chemical Properties of Chemically Activated Carbons Using Hydroxides as Activation Agents

ÖZSİN G., KILIÇ M., PÜTÜN E., PÜTÜN A. E.

The Annual World Conference on Carbon, Carbon 2015, 12 - 17 July 2015, (Summary Text)

XLIII. Bio-oil and Bio-char Production From Filter Coffee Waste via Slow Pyrolysis

KILIÇ M., PÜTÜN A. E., ÖZSİN G., PÜTÜN E.

The Annual World Conference on Carbon, Carbon 2015, 12 - 17 July 2015, (Summary Text)

XLIV. Influence of ZnCl₂ and FeCl₃ Activation Agents on Pore Structure of Biomass-Based Activated Carbon

KILIÇ M., ERSAN P., ÖZSİN G., PÜTÜN A. E.

The Annual World Conference on Carbon, Carbon 2015, 12 - 17 July 2015, (Summary Text)

XLV. Preparation and Characterization of Activated Carbon from Pomegranate Peel by Chemical Activation with Potassium and Sodium Carbonates

KILIÇ M., ÖZSİN G., ERSAN P., PÜTÜN A. E.

The Annual World Conference on Carbon, Carbon 2015, 12 - 17 July 2015, (Summary Text)

- XLVI. **Adsorption of 2,4-Dichlorophenoxyacetic Acid onto Microporous Activated Carbon Prepared From a Waste of Fruit Juice Industry by Chemical Activation**

ÖZSİN G., ERSAN P., KILIÇ M., AYŞE EREN P.

The Annual World Conference on Carbon, Carbon 2015, 12 - 17 July 2015, (Summary Text)

- XLVII. **Modelling of co-pyrolysis of oil shales with polyethylene terephthalate via DAEM approach**

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- LIV. **Nar Kabuklarının Sulu Çözeltilerden Fenol Gideriminde Aktif Karbon Hammaddesi Olarak Değerlendirilmesi**

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- LV. **Biyokütle Pirolizi Yan Ürünü ile Sulu Çözeltilerden Organik ve İnorganik Kirleticilerin Giderimi**

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- LVI. **Tarımsal Atıktan Aktif Karbon Üretimi, Karakterizasyonu ve Sulu Çözeltilerde Uygulamaları**

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- LVII. **Decomposition Characteristics of Biomass-Coal-Polymer Mixtures via Pyrolysis**

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- LXIII. **Ham Petrol Çamurunun Sulu Çözeltilerden Ağır Metallerin Gideriminde Kullanımı**
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- LXV. **Yağ Fabrikası Atıklarının TGA/FT-IR/MS ile Pirolizi**
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- LXVI. **Evsel ve Kentsel Biyokütle Atıklarının Sulu Çözeltilerden Boyar Madde Gideriminde Değerlendirilmesi**
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- LXXX. **Aktif Karbon Adsorpsiyonuyla Ağır Metal Gideriminin Deney Tasarımı ile Optimizasyonu**
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- LXXXI. **Orman Atıklarının Sulu Çözeltilerden Boyar Madde Gideriminde Kullanılması**
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