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Kişisel Bilgiler

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Uluslararası Araştırmacı ID'leri

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Publons / Web Of Science ResearcherID: IZE-0478-2023

Yoksis Araştırmacı ID: 286379

Eğitim Bilgileri

Doktora, Bilecik Şeyh Edebali Üniversitesi, Fen Bilimleri Enstitüsü, Kimya Mühendisliği (Dr), Türkiye 2019 - Devam Ediyor

Yüksek Lisans, Ankara Üniversitesi, Fen Bilimleri Enstitüsü, Kimya Mühendisliği (YI) (Tezli), Türkiye 2016 - 2018

Lisans, Ankara Üniversitesi, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, Türkiye 2010 - 2016

Yabancı Diller

İngilizce, C1 İleri

Araştırma Alanları

Kimya Mühendisliği ve Teknolojisi, Mühendislik ve Teknoloji

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- Unveiling activity of ZIF-8/ nickel loaded alumina aerogel catalyst in glycerol carbonate production from CO₂ and glycerol**
Özçakir G., Açıköz Ç.
RESEARCH ON CHEMICAL INTERMEDIATES, cilt.1, sa.1, ss.1, 2024 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

- Carbon Fiber and Its Composites: Synthesis, Properties, Applications**
ÖZÇAKIR G.
Sinop Üniversitesi Fen Bilimleri Dergisi, cilt.9, sa.1, ss.240-265, 2024 (Hakemli Dergi)
- Green Synthesis of Zinc Oxide Nanoparticles by Using Pomegranate Peels: An Overview**
ÖZÇAKIR G.
Engineering Proceedings, cilt.56, sa.1, 2023 (Hakemli Dergi)
- Effect of Nanofluids on Heat Transfer in Milk and Tomato Juice Production: An Optimization Study**

with ANCOVA

ÖZÇAKIR G.

Biology and Life Sciences Forum, cilt.26, sa.1, ss.68, 2023 (Hakemli Dergi)

- IV. **Efficiency of Sulfonated UiO-66 on Biodiesel Production from Oleic Acid: An Optimization Study with ANCOVA**
ÖZÇAKIR G.
Engineering Proceedings, cilt.56, sa.1, 2023 (Hakemli Dergi)
- V. **Life Cycle Assessment For Packaging Of An One Bottle Of Wine**
ÖZÇAKIR G.
TECHNIUM: ROMANIAN JOURNAL OF APPLIED SCIENCES AND TECHNOLOGY, cilt.14, ss.138-141, 2023 (Hakemli Dergi)
- VI. **Performance of Boron Nitride Nanosheets in Dye Adsorption: a Mini-Review**
ÖZÇAKIR G.
Bartın University International Journal of Natural and Applied Sciences, 2023 (Hakemli Dergi)
- VII. **Co-Pyrolysis of Waste Polystyrene Foam and Microalgae at Low Temperatures**
ORMANCI E. G., ÖZÇAKIR G., KARADUMAN A.
Engineering proceedings, cilt.37, sa.1, 2023 (Hakemli Dergi)
- VIII. **APPLICATION OF COVALENT ORGANIC FRAMEWORKS (COFS) IN CYCLIC CARBONATE PRODUCTION BY A GREEN WAY: AN OVERVIEW**
ÖZÇAKIR G.
Materials Proceedings, cilt.14, ss.24, 2023 (Hakemli Dergi)
- IX. **Applications of Nanomaterials in Food Industry: A Review**
ÖZÇAKIR G.
Materials Proceedings, cilt.14, sa.1, ss.22, 2023 (Hakemli Dergi)
- X. **Co-pyrolysis of Heavy Aromatic Waste and Polystyrene: Analysis of Liquid Product via GC-MS**
ARDIÇ M., ÖZÇAKIR G., KARADUMAN A.
Nevşehir Bilim ve Teknoloji Dergisi, cilt.10, sa.2, ss.92-100, 2021 (Hakemli Dergi)
- XI. **Bio-oil production from microalgae by pyrolysis: A mini-review**
ÖZÇAKIR G., KARADUMAN A.
JOURNAL OF ENGINEERING RESEARCH AND APPLIED SCIENCE (JERAS), cilt.10, sa.1, ss.1640-1649, 2021 (Hakemli Dergi)
- XII. **EFFECT OF METAL DOPED ZSM-5 CATALYST ON AROMATIC YIELD AND COKE FORMATION IN MICROALGAL BIO-OIL PRODUCTION**
ÖZÇAKIR G., KARADUMAN A.
Bartın University International Journal of Natural and Applied Sciences, cilt.4, sa.1, ss.20-32, 2021 (Hakemli Dergi)
- XIII. **Detecting chemicals with high yield in pyrolytic liquid of spirulina sp. microalgae via GC-MS**
ÖZÇAKIR G., KARADUMAN A.
International Journal of Energy Applications and Technologies, cilt.7, sa.4, ss.107-114, 2020 (Hakemli Dergi)
- XIV. **CHEMICAL RECOVERY FROM POLYSTYRENE AND LOW DENSITY POLYETHYLENE VIA CONVENTIONAL PYROLYSIS**
ÖZÇAKIR G.
Eskişehir Osmangazi Üniversitesi mühendislik ve mimarlık fakültesi dergisi (online), cilt.28, sa.2, ss.155-163, 2020 (Hakemli Dergi)
- XV. **CHEMICAL RECOVERY FROM POLYSTYRENE WASTE AND LOW DENSITY POLYETHYLENE VIA CONVENTIONAL PYROLYSIS**
ÖZÇAKIR G., KARADUMAN A.
Eskişehir Osmangazi Üniversitesi mühendislik ve mimarlık fakültesi dergisi (online), cilt.28, sa.2, ss.155-163, 2020 (Hakemli Dergi)
- XVI. **Adsorption of Cu(II) from aqueous solution by using pyrolytic bio-char of Spirulina**
ÖZÇAKIR G.
İğdir Üniversitesi Fen Bilimleri Enstitüsü Dergisi, cilt.10, sa.1, ss.73-83, 2020 (Hakemli Dergi)

- XVII. **Obtaining Hydrocarbon Rich Bio-Oil Via Catalytic Co-Pyrolysis of Plastic Wastes And Spirulina Sp. Microalgae**
ÖZÇAKIR G., KARADUMAN A.
International Journal of Research in Engineering and Science (IJRES), cilt.7, sa.4, ss.12-22, 2019 (Hakemli Dergi)

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **COMPUTATIONAL LIFE CYCLE ASSESSMENT FOR PRODUCTION OF WATERMELON AND APPLE JUICE**
Özçakır G.
DEU INTERNATIONAL SYMPOSIUM SERIES ON GRADUATE RESEARCHES-2023, İzmir, Türkiye, 21 - 22 Aralık 2023, ss.566-569
- II. **Green Synthesis of Zinc Oxide Nanoparticles by Using Pomegranate Peels: an Overview**
ÖZÇAKIR G.
The 4th International Electronic Conference on Applied Sciences (ASEC2023), Basel, İsviçre, 27 Ekim - 10 Kasım 2023
- III. **Efficiency of Sulfonated UiO-66 on Biodiesel Production from Oleic Acid: An Optimization Study with ANCOVA**
ÖZÇAKIR G.
The 4th International Electronic Conference on Applied Sciences (ASEC2023), Basel, İsviçre, 27 Ekim - 10 Kasım 2023
- IV. **Effect of Nanofluids on Heat Transfer in Milk and Tomato Juice Production: An Optimization Study with ANCOVA**
ÖZÇAKIR G.
The 4th International Electronic Conference on Foods (FOODS2023), Basel, İsviçre, 12 Ekim 2023
- V. **Life cycle assessment for bioethanol production from microalgae**
ÖZÇAKIR G.
NEW TRENDS IN CHEMISTRY RESEARCH 2023, Timisiora, Romanya, 21 - 22 Eylül 2023
- VI. **UV-VIS Detection of Algae Based Gold Nanoparticles: A Mini-Review**
ÖZÇAKIR G.
3rd Global Conference on Engineering Research (GLOB CER'23), Balıkesir, Türkiye, 13 - 16 Eylül 2023
- VII. **Application of Metal-Organic Frameworks (MOFs) in Pipette-Tip Solid-Phase Extraction: A Mini Literature Review**
ÖZÇAKIR G.
3rd Global Conference on Engineering Research (GLOB CER'23), Balıkesir, Türkiye, 13 - 16 Eylül 2023
- VIII. **Life Cycle Assessment For Packaging Of An One Bottle Of Wine**
ÖZÇAKIR G.
11th International Conference on Thermal Equipment, Renewable Energy and Rural Development, Bükres, Romanya, 8 - 10 Haziran 2023
- IX. **OPTIMIZATION STUDY FOR STYRENE CARBONATE PRODUCTION ON METAL ORGANIC FRAMEWORKS BY GREEN WAY**
ÖZÇAKIR G.
15th Green Chemistry Postgraduate Summer School, Venedik, İtalya, 2 - 07 Temmuz 2023
- X. **Evaluation of Hydrogen Production From Sodium Borohydride on ZIF Catalysts With ANCOVA Analysis**
ÖZÇAKIR G.
The Seventh International Hydrogen Technologies Congress (IHTEC-2023), Elazığ, Türkiye, 10 - 12 Mayıs 2023
- XI. **Co-pyrolysis of Waste Polystyrene Foam and Microalgae at Low Temperatures**
ORMANCI E. G., ÖZÇAKIR G., KARADUMAN A.
The 2nd International Electronic Conference on Processes Process Engineering - Current State and Future Trends, Basel, İsviçre, 17 - 31 Mayıs 2023

- XII. **APPLICATION OF COVALENT ORGANIC FRAMEWORKS (COFS) IN CYCLIC CARBONATE PRODUCTION BY A GREEN WAY: AN OVERVIEW**
ÖZÇAKIR G.
The 4th International Online Conference on Nanomaterials, Basel, İsviçre, 5 - 19 Mayıs 2023
- XIII. **Applications Of Nanomaterials in Food Industry: A Review**
ÖZÇAKIR G.
The 4th International Online Conference on Nanomaterials, Basel, İsviçre, 5 - 19 Mayıs 2023
- XIV. **Applications of ZIF-8 nanomaterial as photocatalyst in bisphenol a removal: a mini-review**
ÖZÇAKIR G.
MOL2NET'22, Conference on Molecular, Biomedical & Computational Sciences and Engineering, 8th ed. (NANOBIOMAT-08), Faro, Portekiz, 01 Ocak 2023
- XV. **SYNTHESIS PROPERTIES AND APPLICATIONS OF SILICA AEROGELS A REVIEW**
ÖZÇAKIR G.
6th International Conference on Engineering Technologies (ICENTE'22), Konya, Türkiye, 17 - 19 Kasım 2022
- XVI. **CHEMICAL RECOVERY FROM CO-PYROLYSIS OF NAPHTHALENE AND POLYSTYRENE**
ÖZÇAKIR G., KARADUMAN A.
6th International Conference on Engineering Technologies (ICENTE'22), Konya, Türkiye, 17 - 19 Kasım 2022
- XVII. **Synthesis and characterization of Nickel loaded ZIF-8/Silica Aerogel hybrid material**
ÖZÇAKIR G., AÇIKGÖZ Ç.
16th NANOSCIENCE & NANOTECHNOLOGY CONFERENCE (NanoTR-16), Ankara, Türkiye, 5 - 08 Eylül 2022
- XVIII. **Room temperature synthesis and characterization of ZIF-8**
ÖZÇAKIR G., AÇIKGÖZ Ç.
5 th International Conference on Nanomaterials Science and Mechanical Engineering (icnmsme2022), Aveiro, Portekiz, 5 - 08 Temmuz 2022
- XIX. **Synthesis of ambient pressure-dried hydrophobic silica aerogel**
ÖZÇAKIR G., AÇIKGÖZ Ç.
5 th International Conference on Nanomaterials Science and Mechanical Engineering (icnmsme2022), Aveiro, Portekiz, 5 - 08 Temmuz 2022
- XX. **Bisfenol-A'nın Sudan Adsorpsiyonunda Çeşitli Malzemelerin Etkinliklerinin Karşılaştırılması: Kısa-derleme**
ÖZÇAKIR G.
14. Ulusal Kimya Mühendisliği Kongresi (UKMK2020), Türkiye, 10 - 12 Haziran 2021
- XXI. **Islak emdirme metoduyla H-ZSM-5 katalizöre Ni/Co yüklenmesi ve katalizörlerin karakterizasyonu**
ÖZÇAKIR G., KARADUMAN A.
14. Ulusal Kimya Mühendisliği Kongresi (UKMK2020), Türkiye, 10 - 12 Haziran 2021
- XXII. **Examination Of Microalgal Pyrolytic Bio-Char Properties**
ÖZÇAKIR G., KARADUMAN A.
3rd BIOENERGY STUDIES SYMPOSIUM, Türkiye, 20 - 21 Mayıs 2021
- XXIII. **Pyrolysis of Spirulina sp. Microalgae: Effect of Temperature on Chemical Compositions of Bio-Oil and Aqueous Phase**
ÖZÇAKIR G., KARADUMAN A.
16th International Conference on Environmental Science and Technology - CEST2019, Yunanistan, 4 - 07 Eylül 2019
- XXIV. **Co-Pyrolysis of Plastic Wastes: Effects of Temperature and Feedstock Ratio on Chemical Composition of Liquid Product**
ÖZÇAKIR G., KARADUMAN A.
16th International Conference on Environmental Science and Technology -CEST 2019, Yunanistan, 4 - 07 Eylül 2019
- XXV. **Obtaining aromatic compounds with co-pyrolysis of microalgae and plastic wastes**
ÖZÇAKIR G., KARADUMAN A.
1st International Balkan Chemistry Congress (IBCC-2018), Edirne, Türkiye, 17 - 20 Eylül 2018

XXVI. Co-pyrolysis of Microalgae with Plastic Wastes over ZSM-5

ÖZÇAKIR G., KARADUMAN A.

Ancon-International Congress on Chemistry and Materials Science, Ankara, Türkiye, 5 - 07 Ekim 2017

XXVII. Kontrol Amaçlı Proses Modelleme Uygulaması

ÖZÇAKIR G., ERTUNÇ S.

3. Ulusal Kimya Mühendisliği Öğrenci Kongresi (UKMÖK-3), Türkiye, 2 - 04 Mayıs 2015

Desteklenen Projeler

Özçakır G., Açıkgöz Ç., Yükseköğretim Kurumları Destekli Proje, Yeni ZIF-8/Silika Aerojel Kompozitlerin Çevre-Dostu Yolla Propilen Karbonat Sentezinde Katalitik Etkisinin İncelenmesi, 2022 - 2024

Özçakır G., Açıkgöz Ç., Yükseköğretim Kurumları Destekli Proje, Yüksek Safılıkta Hidrojen Eldesi İçin Nikel Yüklü İnorganik Aerojel ve Zeolitik İmidazolat Kafes Yapısı Katkılı İnorganik Aerojel Katalizörlerin Sentezi ve Karakteri, 2021 - 2022

Özçakır G., Karaduman A., Yükseköğretim Kurumları Destekli Proje, Mikro algelerin plastik atıklarla (PS/AYPE) ZSM-5 üzerinde eşpirolizi, 2017 - 2019