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International Researcher IDs

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Publons / Web Of Science ResearcherID: CAA-1624-2022

ScopusID: 58593114900

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Education Information

Doctorate, Gazi University, Mühendislik Fakültesi, Kimya Mühendisliği, Turkey 2020 - Continues

Postgraduate, Gazi University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği (YL) (Tezli), Turkey 2017 - 2020

Undergraduate, Gazi University, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, Turkey 2011 - 2016

Certificates, Courses and Trainings

Environment and Sustainability, Seminar on Emerging Technologies for Carbon Dioxide Capture and Utilisation, Research Centre for Carbon Dioxide Capture and Utilisation, Sunway University, Malaysia (Online), 2021

Dissertations

Postgraduate, Karbitol Asetat ile Karbon Dioksitin Absorpsiyonu, Gazi University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği (YL) (Tezli), 2020

Research Areas

Chemical Engineering and Technology, Basic Operations and Thermodynamics, Separation Operations, Mass Transfer, Transport Events, Engineering and Technology

Academic Titles / Tasks

Research Assistant, Gazi University, Mühendislik Fakültesi, Kimya Mühendisliği, 2020 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

1. Mass Transfer studies for CO₂ absorption into carbitol acetate as an effective physical absorbent using a laboratory-scale packed column

Articles Published in Other Journals

- I. **Investigation of Carbon Dioxide Absorption Capacity and Dissolution Rate with Amino Acid Salt Solutions: Sodium and Potassium Glycinate**
Koçyiğit Çapoğlu İ., Uysal D., Doğan Ö. M.
MALAYSIAN JOURNAL OF SCIENCE, vol.43, no.1, pp.58-66, 2024 (Scopus)
- II. **Experimental Investigation of Seawater for the Absorption of Carbon Dioxide from Ship Chimneys**
KOÇYIĞIT ÇAPOĞLU İ., UYSAL D., DOĞAN Ö. M., UYSAL B. Z.
Journal of advanced research in natural and applied sciences (Online), vol.10, no.2, pp.399-413, 2024 (Peer-Reviewed Journal)
- III. **A parametric study to optimize the temperature of hazelnut and walnut shell gasification for hydrogen and methane production**
Öztan H., Koçyiğit Çapoğlu İ., Uysal D., Doğan Ö. M.
Bioresource Technology Reports, vol.23, no.101581, pp.1-8, 2023 (Scopus)

Refereed Congress / Symposium Publications in Proceedings

- I. **Gemilerin Baca Gazından Sulu Sodyum Klorür Çözeltisi ile Karbon Dioksitin Absorpsiyonu**
Koçyiğit Çapoğlu İ., Uysal D., Doğan Ö. M., Uysal B. Z.
15. Ulusal Kimya Mühendisliği Kongresi (UKMK23), Çanakkale, Turkey, 4 - 07 September 2023
- II. **Investigation of Carbon Dioxide Absorption Capacity and Dissolution Rate With Amino Acid Salt Solutions: Sodium and Potassium Glycinate**
Koçyiğit Çapoğlu İ., Uysal D., Doğan Ö. M.
The 2nd Euro-Asia Conference on CO2 Capture and Utilization (EACCO2CU2022), Petaling-Jaya, Malaysia, 6 - 08 December 2022
- III. **INVESTIGATION OF CARBON DIOXIDE ABSORPTION CAPACITY AND DISSOLUTION RATE WITH GLYCEROL AND GLYCEROL + SODIUM HYDROXIDE HYBRID SOLUTION FOR POST-COMBUSTION SYSTEMS**
Koçyiğit Çapoğlu İ., Öztan H., Uysal D., Doğan Ö. M.
16th International Combustion Symposium (INCOS2022), Aydın, Turkey, 8 - 11 September 2022, pp.485-491
- IV. **A PARAMETRIC STUDY TO OPTIMIZE THE TEMPERATURE OF HAZELNUT AND WALNUT SHELL GASIFICATION FOR HYDROGEN AND METHANE PRODUCTION**
Öztan H., Koçyiğit Çapoğlu İ., Uysal D., Doğan Ö. M.
16th International Combustion Symposium (INCOS2022), Aydın, Turkey, 8 - 11 September 2022, pp.95-100
- V. **Karbitol Asetat ile Karbon Dioksitin Absorpsiyonunda Kütle Transfer Mekanizmasının İncelenmesi**
Koçyiğit Çapoğlu İ., Uysal Zıraman D., Doğan Ö. M.
14. ULUSAL KİMYA MÜHENDİSLİĞİ KONGRESİ (UKMK2020), Konya, Turkey, 10 - 12 June 2021
- VI. **Karbon Dioksitin Karbitol Asetat İçerisindeki Difüzyon Katsayısı**
Koçyiğit İ., Genç Çelikçi G., Yörük Ö., Uysal Zıraman D., Doğan Ö. M., Uysal B. Z.
13. Ulusal Kimya Mühendisliği Kongresi, Van, Turkey, 3 - 06 September 2018, pp.6942
- VII. **CAPTURING CARBON DIOXIDE FROM AIR BY CARBITOL ACETATE**
Koçyiğit İ., Uysal D., Doğan Ö. M., Uysal B. Z.
9th International Conference on Sustainable Energy and Environmental Protection (SEEP 2016), Kayseri, Turkey, 22 - 25 September 2016

Supported Projects

Dođan Ö. M., Koçyiđit Çapođlu İ., Project Supported by Higher Education Institutions, Glisin Çözeltisi ile Karbon Dioksinin Absorpsiyonu, 2023 - 2025

Metrics

Publication: 11

Citation (Scopus): 6

H-Index (Scopus): 2