Arş. Gör. FATIMA NESLİŞAH ULUS

Kişisel Bilgiler

E-posta: neslisahcihan@hacettepe.edu.tr
Web: https://avesis.hacettepe.edu.tr/14131

Uluslararası Araştırmacı ID'leri
ScholarID: j26x5asAAAAJ
ORCID: 0000-0002-5348-0314
Publons / Web Of Science ResearcherID: AGM-7845-2022
ScopusID: 57217385350
Yoksis Araştırmacı ID: 304011

Araştırma Alanları

Kimyasal Reaksiyon Mühendisliği , Kataliz ve Katalitik Süreçler

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

I. **Response Surface Optimization of Nonaqueous Hexanol-Based Trisolvent Amine Blends for Energy-Efficient CO2 Desorption**
Hugul A. E., Ulus N., YÜKSEL ORHAN Ö., YAVUZ ERSAN H.
Energy Technology, 2024 (SCI-Expanded)

II. **Reduced energy consumption and enhanced CO2 desorption performance of non-aqueous ionic-liquid-containing amine blends with zeolites**
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JOURNAL OF MOLECULAR LIQUIDS, cilt.359, 2022 (SCI-Expanded)

III. **Optimization of novel nonaqueous hexanol-based monoethanolamine/methyl diethanolamine solvent for CO2 absorption**
Ulus N., Ali S. A. S., Khalifa O., YÜKSEL ORHAN Ö., Elkamel A.
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, cilt.46, sa.7, ss.9000-9019, 2022 (SCI-Expanded)

IV. **A hybrid chemo-biocatalytic system of carbonic anhydrase submerged in CO2-phillic sterically hindered amines for enhanced CO2 capture and conversion into carbonates**
Cihan N., Bharath G., Nadda A. K., YukselOrhan O.
INTERNATIONAL JOURNAL OF GREENHOUSE GAS CONTROL, cilt.111, 2021 (SCI-Expanded)

V. **Effect of non-aqueous solvents on kinetics of carbon dioxide absorption by (Bu3P)-Bu-t/B(C6F5) (3) frustrated Lewis pairs**
Cihan N., YÜKSEL ORHAN Ö., YAVUZ ERSAN H.
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VI. **The development of reaction kinetics for CO2 absorption into novel solvent Frustrated Lewis (FLPs)**
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VIII. **Kinetics and mechanism of reaction between carbon disulfide and novel aqueous amines solutions**
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Metrikler

Yayın: 8
Atıf (WoS): 8
Atıf (Scopus): 24
H-İndeks (WoS): 1
H-İndeks (Scopus): 3