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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. **Enhancing CO₂ desorption efficiency with Non-Aqueous Catalyst-Enhanced Tri-Blend amines**
YÜKSEL ORHAN Ö., Hugul A., ULUS F. N., YAVUZ ERSAN H.
FUEL, 2024 (SCI-Expanded)
- II. **Response Surface Optimization of Nonaqueous Hexanol-Based Trisolvant Amine Blends for Energy-Efficient CO₂ Desorption**
Hugul A. E., Ulus N., YÜKSEL ORHAN Ö., YAVUZ ERSAN H.
Energy Technology, 2024 (SCI-Expanded)
- III. **Reduced energy consumption and enhanced CO₂ desorption performance of non-aqueous ionic-liquid-containing amine blends with zeolites**
Ulus N., Yüksel Orhan Ö.
JOURNAL OF MOLECULAR LIQUIDS, cilt.359, 2022 (SCI-Expanded)
- IV. **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)
- V. **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)
- VI. **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.
SEPARATION AND PURIFICATION TECHNOLOGY, cilt.258, 2021 (SCI-Expanded)
- VII. **The development of reaction kinetics for CO₂ absorption into novel solvent Frustrated Lewis (FLPs)**
Yüksel Orhan Ö., Cihan N., Şahin V., Karabakan A., Alper E.
SEPARATION AND PURIFICATION TECHNOLOGY, cilt.252, 2020 (SCI-Expanded)

- VIII. **The enhanced enzymatic performance of carbonic anhydrase on the reaction rate between CO₂ and aqueous solutions of sterically hindered amines**
Cihan N., YÜKSEL ORHAN Ö.
GREENHOUSE GASES-SCIENCE AND TECHNOLOGY, cilt.10, sa.5, ss.925-937, 2020 (SCI-Expanded)
- IX. **Kinetics and mechanism of reaction between carbon disulfide and novel aqueous amines solutions**
YÜKSEL ORHAN Ö., Cihan F. N., Alper E.
INTERNATIONAL JOURNAL OF GLOBAL WARMING, cilt.18, sa.3-4, ss.401-409, 2019 (SCI-Expanded)

Metrikler

Yayın: 9

Atf (WoS): 8

Atf (Scopus): 24

H-İndeks (WoS): 1

H-İndeks (Scopus): 3