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International Researcher IDs

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Education Information

Post Doctorate, Vrije Universiteit Brussel, Faculty of Engineering, Department of Chemical Engineering, Belgium 2019 - 2020

Post Doctorate, University of South Carolina, Faculty of Engineering, Department of Chemical Engineering, United States Of America 2016 - 2016

Doctorate, University of South Carolina, Faculty of Engineering, Department of Chemical Engineering, United States Of America 2010 - 2016

Postgraduate, Mugla Sitki Kocman University, Faculty Of Arts And Sciences, Department Of Chemistry, Turkey 2006 - 2009

Undergraduate, Ege University, Faculty of Engineering, Department of Chemical Engineering, Turkey 2000 - 2005

Foreign Languages

English, B2 Upper Intermediate

Academic Titles / Tasks

Assistant Professor, Canakkale Onsekiz Mart University, Çan Meslek Yüksekokulu, Elektrik ve Enerji, 2022 - Continues

Research Assistant PhD, Usak University, Faculty Of Engineering, Department of Chemical Engineering, 2017 - 2022

Researcher, Vrije Universiteit Brussel, Faculty of Engineering, Department of Chemical Engineering, 2019 - 2020

Researcher, University of South Carolina, Faculty of Engineering, Department of Chemical Engineering, 2016 - 2016

Research Assistant, University of South Carolina, Faculty of Engineering, Department of Chemical Engineering, 2010 - 2016

Research Assistant, Mugla Sitki Kocman University, Faculty Of Arts And Sciences, Department Of Chemistry, 2006 - 2010

Courses

Thermodynamics and Heat Transfer, Associate Degree, 2022 - 2023

Published journal articles indexed by SCI, SSCI, and AHCI

1. **Highly selective oxidation of glucose to formic acid over synthesized hydrotalcite-like catalysts**

under base free mild conditions

Kilic H. A., Kilic E., Erden L., Gok Y.

RESEARCH ON CHEMICAL INTERMEDIATES, vol.48, no.10, pp.4079-4103, 2022 (SCI-Expanded)

II. Equilibrium Theory Analysis of Pressure Equalization Steps in Pressure Swing Adsorption

Fakhari-Kisomi B., Erden L., Ebner A. D., Ritter J. A.

INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH, vol.60, no.27, pp.9928-9939, 2021 (SCI-Expanded)

III. A reference high-pressure CO₂ adsorption isotherm for ammonium ZSM-5 zeolite: results of an interlaboratory study

Nguyen H. G. T., Espinal L., van Zee R. D., Thommes M., Toman B., Hudson M. S. L., Mangano E., Brandani S., Broom D. P., Benham M. J., et al.

ADSORPTION-JOURNAL OF THE INTERNATIONAL ADSORPTION SOCIETY, vol.24, no.6, pp.531-539, 2018 (SCI-Expanded)

IV. Separation of Landfill Gas CH₄ from N₂ Using Pressure Vacuum Swing Adsorption Cycles with Heavy Reflux

Erden L., Ebner A. D., Ritter J. A.

ENERGY & FUELS, vol.32, no.3, pp.3488-3498, 2018 (SCI-Expanded)

Articles Published in Other Journals

I. On the Use of Multi-Site Langmuir Model for Prediction of Non-Ideal Gas Mixture Adsorption Isotherms

Erden H., Erden L.

Usak University Journal of Material Sciences, vol.6, no.1-2, pp.7-14, 2017 (Peer-Reviewed Journal)

Supported Projects

Erden L., Denayer J., Project Supported by Public Organizations in Other Countries, New Routes for CO₂ capture and conversion using microwaves, electrochemistry and atmospheric plasma, 2019 - 2022

Erden L., Gök Y., Kılıç E., Project Supported by Higher Education Institutions, Türkiye'deki Tarımsal Atıkların Değerlendirilmesi ile Yüksek Safılıkta Formik Asit Üretim Yönteminin Geliştirilmesi ve Muhtemel Pilot Üretim Tesisinin Tasarım ve Simülasyonu, 2019 - 2022

Erden L., Ritter J. A., Industrial Organizations of Other Countries Supported Project, Construction and Testing of Pressure Swing Adsorption Systems and Materials Characterization for CH₄ and CO₂ Separation, 2015 - 2016

Erden L., Ritter J. A., Industrial Organizations of Other Countries Supported Project, Evaluation of CO₂ Adsorbents using Gravimetric and Volumetric Adsorption Techniques, 2015 - 2015

Erden L., Ritter J. A., Industrial Organizations of Other Countries Supported Project, Evaluation of CH₄ and CO₂ Separation in a Multi-Bed Pressure Swing Adsorption System, 2014 - 2015

Erden L., Ritter J. A., Project Supported by Public Organizations in Other Countries, Complex Hydrides of Lithium, Aluminum and Boron for Hydrogen Storage, 2009 - 2012

Erden L., Ritter J. A., Industrial Organizations of Other Countries Supported Project, Adsorbent Evaluation Using Thermogravimetric Cycling Analysis, 2011 - 2011

Erden L., Erden H., Akpolat O., TÜBİTAK Project, Synthesis characterization and testing of bimetallic organic inorganic clay catalyst for TCE removal, 2009 - 2010

Metrics

Publication: 5

Citation (WoS): 54

Citation (Scopus): 51

H-Index (WoS): 2

H-Index (Scopus): 2