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Education Information

Doctorate, Van Yüzüncü Yıl University, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, Turkey 2022 - Continues

Postgraduate, Van Yüzüncü Yıl University, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, Turkey 2018 - 2021

Undergraduate, Istanbul Technical University, Maden Fakültesi, Petrol Ve Doğalgaz Mühendisliği, Turkey 2008 - 2013

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Postgraduate, POLİMER KAPLI KUARTZ VE KAOLİNİT MİKROPARTİKÜL ESASLI HİDROLİK ÇATLATMA

PROPPANTLARININ GELİŞTİRİLMESİ VE KARAKTERİZASYONU, Van Yüzüncü Yıl University, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, 2021

Research Areas

Mining Engineering and Technology, Ore-Dressing, Petroleum And Natural Gas Engineering, Reservoir, Reservoir Engineering and Recovery Methods, Jeothermal Reservoir Engineering, Engineering and Technology

Academic Titles / Tasks

Research Assistant, Van Yüzüncü Yıl University, Mühendislik Fakültesi, Maden Mühendisliği Bölümü, 2019 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

1. The electromagnetic wave absorption properties of woven glass fiber composites filled with Sb2O3 and SnO2 nanoparticles doped mica pigments

Akınay Y., Colak B., TURAN M. E., Akkuş İ. N., Çelik Kazıcı H., Kizilcay A. O.

POLYMER COMPOSITES, vol.43, no.12, pp.8784-8794, 2022 (SCI-Expanded)

- II. **Rh (0) nanoparticles impregnated on two-dimensional transition metal carbides, MXene, as an effective nanocatalyst for ammonia-borane hydrolysis**

Karatas Y., Cetin T., Akkus I. N., Akınay Y., Gülcan M.

INTERNATIONAL JOURNAL OF ENERGY RESEARCH, vol.46, no.8, pp.11411-11423, 2022 (SCI-Expanded)

- III. **Synthesis of 3D Sn doped Sb₂O₃ catalysts with different morphologies and their effects on the electrocatalytic hydrogen evolution reaction in acidic medium**

Akınay Y., Kazici H., Akkuş İ. N., Salman F.

CERAMICS INTERNATIONAL, vol.47, no.20, pp.29515-29524, 2021 (SCI-Expanded)

- IV. **Synthesis and characterization of the pearlescent pigments based on mica deposited with SiO₂, AlN and TiO₂: First report of its dielectric properties**

Akınay Y., Nuri Akkuş İ. N.

Ceramics International, vol.46, no.11, pp.17735-17740, 2020 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **Enhanced Mechanical Properties of polystyrene coated Surface Modified Quartz based proppants**

Akkuş İ. N., Zengin A., Akınay Y.

2nd Graphene Summit, Oregon, United States Of America, 15 - 16 November 2021, vol.2, pp.1

- II. **Photocatalytic CO₂ Reduction and Thermal Properties of Alumina/Silica Coated TiO₂ Nanoparticles**

Akınay Y., Akkuş İ. N.

Materials Chemistry and Physics (Materials Chemistry 2020), London, United Kingdom, 11 - 12 September 2020, vol.2, pp.47

- III. **The optic and dielectric properties of CuO deposited barite pigments**

Akınay Y., Akkuş İ. N.

INTERNATIONAL SYMPOSIUM ON INNOVATIVE TECHNOLOGIES IN ENGINEERING AND SCIENCE, Şanlıurfa, Turkey, 22 - 24 November 2019, pp.1325-1330

- IV. **Preparation and characterization of CuO/Muscovite flakes pearlescent pigment with UV absorption and high NIR reflectance**

Akınay Y., Akkuş İ. N.

3rd International Symposium on Natural Hazards and Disaster Management, Van, Turkey, 25 - 27 October 2019, pp.265-270

Supported Projects

Akınay Y., Akkuş İ. N., Project Supported by Higher Education Institutions, CuO ve Fe₃O₄ kaplı SiO₂ ve Muskovit partiküllerin optik ve termal özelliklerinin incelenmesi: Bu partiküllerin farklı pigment karışımları ile akrilik bazlı boya maddesi olarak hazırlanması ve karakterizasyonu, 2019 - 2021

Metrics

Publication: 8

Citation (WoS): 20

Citation (Scopus): 77

H-Index (WoS): 2

H-Index (Scopus): 4