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International Researcher IDs

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Publons / Web Of Science ResearcherID: GLS-3350-2022

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Education Information

Doctorate, Hacettepe University, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, Turkey 2020 - Continues

Postgraduate, Hacettepe University, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, Turkey 2017 - 2020

Undergraduate, Ankara University, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, Turkey 2010 - 2017

Research Areas

Biomedical Engineering, Enzyme Engineering, Polymer Technology, Organic Technologies, Catalysis and Catalytic Processes, Coordination Chemistry, Metal Carbene Complexes, Clusters/Solids and Surfaces

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **A porphyrinic, titanium based metal organic framework as a superior photocatalyst for visible light driven dye degradation: Fast and almost complete degradation with high initial Rhodamine B concentration**
HACIEFENDİOĞLU D., POLAT M., Ozel S., ÇELİKBIÇAK Ö., Tuncel A.
SURFACES AND INTERFACES, 2025 (SCI-Expanded)
- II. **N-heterocyclic carbene-palladium complex immobilized on Co-MOF 74 microrods as a highly selective catalyst for Suzuki-Miyaura cross-coupling**
HACIEFENDİOĞLU D., Tuncel A.
REACTION KINETICS MECHANISMS AND CATALYSIS, 2025 (SCI-Expanded)
- III. **Ni-Pt nanoparticle decorated, C, N-doped titania microparticles with low band gap energy as an efficient catalyst for hydrogen generation from hydrous hydrazine**
DEMİR M. C., HACIEFENDİOĞLU D., POLAT M., Tuncel A.
COLLOIDS AND SURFACES A-PHYSCOCHEMICAL AND ENGINEERING ASPECTS, vol.703, 2024 (SCI-Expanded)
- IV. **Switching of selectivity from benzaldehyde to benzoic acid using MIL-100(V) as a heterogeneous catalyst in aerobic oxidation of benzyl alcohol**
HACIEFENDİOĞLU D., Tuncel A.
CATALYSIS SCIENCE & TECHNOLOGY, vol.14, pp.6524-6536, 2024 (SCI-Expanded)
- V. **Monodisperse-porous Mn508 microspheres as an efficient catalyst for fast degradation of organic pollutants via peroxymonosulfate activation**
Ozcan S., YILDIRIM D., ÇILDIROĞLU H. Ö., POLAT M., HAMALOĞLU K. Ö., Tosun R. B., KİP F. Ç., Tuncel A.

NEW JOURNAL OF CHEMISTRY, vol.46, no.30, pp.14605-14615, 2022 (SCI-Expanded)

- VI. **Highly Porous, Molecularly Imprinted Core-Shell Type Boronate Affinity Sorbent with a Large Surface Area for Enrichment and Detection of Sialic Acid Isomers**
Kip C., Demir M. C., Yildirim D., Hamaloğlu K. Ö., Çelikkıçak Ö., Tuncel A.
JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS, vol.31, no.7, pp.2806-2817, 2021 (SCI-Expanded)
- VII. **A new nanozyme with peroxidase-like activity for simultaneous phosphoprotein isolation and detection based on metal oxide affinity chromatography: Monodisperse-porous cerium oxide microspheres**
YILDIRIM D., Gokcal B., BÜBER E., Kip C., DEMİR M., Tuncel A.
CHEMICAL ENGINEERING JOURNAL, vol.403, 2021 (SCI-Expanded)
- VIII. **Microfluidic immobilized metal affinity chromatography based on Ti(IV)-decorated silica microspheres for purification of phosphoproteins**
Yildirim D., Kip C., Tsogtbaatar K., KOÇER İ., Celik E., Tuncel A.
JOURNAL OF CHROMATOGRAPHY B-ANALYTICAL TECHNOLOGIES IN THE BIOMEDICAL AND LIFE SCIENCES, vol.1140, 2020 (SCI-Expanded)

Metrics

Publication: 8

Citation (WoS): 29

Citation (Scopus): 79

H-Index (WoS): 1

H-Index (Scopus): 3