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International Researcher IDs

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Education Information

Doctorate, Istanbul University, Faculty Of Science, Department of Chemistry, Turkey 2021 - Continues

Postgraduate, Gebze Technical University, Faculty Of Basic Sciences, Department Of Chemistry, Turkey 2019 - 2021

Undergraduate Minor, İstanbul University-Cerrahpaşa, Faculty Of Engineering, Department Of Environmental Engineering, Turkey 2015 - 2018

Undergraduate, İstanbul University-Cerrahpaşa, Faculty Of Engineering, Department Of Chemistry, Turkey 2011 - 2017

Research Areas

Chemistry

Academic Titles / Tasks

Research Assistant, Istanbul University, Faculty of Science, Department of Chemistry, 2020 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **A novel thienothiophene-based “dual-responsive” probe for rapid, selective and sensitive detection of hypochlorite**
Suna G., Erdemir E., Liv L., Karakus A. C., Gunturkun D., Öztürk T., Karakuş E.
Talanta, vol.270, 2024 (SCI-Expanded)
- II. **Dioxomolybdenum(VI) complexes of 2-hydroxy-4-benzyloxybenzaldehyde thiosemicarbazones alkylated via N or S atoms. Synthesis, characterization, antioxidant and xanthine oxidase inhibition performance**
Eğlence Bakır S., Şahin M., Erdemir Tavukçu E., Özyürek M., Ülküseven B.
JOURNAL OF MOLECULAR STRUCTURE, pp.136604, 2023 (SCI-Expanded)
- III. **Monitoring of Hypochlorite Level in Fruits, Vegetables, and Dairy Products: A BODIPY-Based Fluorescent Probe for the Rapid and Highly Selective Detection of Hypochlorite**
Suna G., ERDEMİR TAVUKÇU E., Gunduz S., Öztürk T., Karakus E.
ACS OMEGA, no.25, pp.22984-22991, 2023 (SCI-Expanded)
- IV. **Multi-channel detection of Au(III) ions by a novel rhodamine based probe**
Suna G., Erdemir E., Liv L., Gunduz S., Öztürk T., Karakuş E.
Sensors and Actuators B: Chemical, vol.360, 2022 (SCI-Expanded)
- V. **Rapid, ultrasensitive, highly selective detection of toxic Hg(II) ions in seabass, swordfish and water**

samples

Erdemir E., Suna G., Gunduz S., Şahin M., Eglence-Bakir S., Karakus E.
FOOD CHEMISTRY, vol.371, 2022 (SCI-Expanded)

- VI. **Fluorescein Based Three-channel Probe for the Selective and Sensitive Detection of CO₃²⁻ Ions in an Aqueous Environment and Real Water Samples**
Karakus E., Erdemir E., Suna G., Liv L., Gunduz S., Can S. A.
JOURNAL OF FLUORESCENCE, vol.31, pp.1617-1625, 2021 (SCI-Expanded)
- VII. **Colorimetric and electrochemical detection of SARS-CoV-2 spike antigen with a gold nanoparticle-based biosensor**
Karakus E., Erdemir E., Demirbilek N., Liv L.
ANALYTICA CHIMICA ACTA, vol.1182, 2021 (SCI-Expanded)
- VIII. **Synthesis, characterization, and photophysical properties of cyclotriphosphazenes containing quinoline-4-aldehyde-p-oxyanil moieties**
Ibisoglu H., Un S. S., Erdemir E., Tumay S. O.
PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS, vol.196, no.8, pp.760-768, 2021 (SCI-Expanded)
- IX. **Synthesis, characterization and antimicrobial properties of cyclotriphosphazenes bearing benzimidazolyl rings**
Ibisoglu H., Erdemir E., Atilla D., Un S. S., Topcu S., Seker M. G.
INORGANICA CHIMICA ACTA, vol.509, 2020 (SCI-Expanded)
- X. **Nucleophilic substitution reactions of monofunctional nucleophilic reagents with cyclotriphosphazenes containing 2,2-dioxybiphenyl units**
TANRIVERDİ EÇİK E., Ibisoglu H., Yenilmez Ciftci G., Demir G., Erdemir E., Yuksel F.
TURKISH JOURNAL OF CHEMISTRY, vol.44, no.1, pp.87-109, 2020 (SCI-Expanded)
- XI. **Synthesis, characterization and photophysical properties of cyclotriphosphazenes including heterocyclic rings**
Ibisoglu H., Erdemir E., Atilla D., Zorlu Y., ŞENKUYTU E.
INORGANICA CHIMICA ACTA, vol.498, 2019 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **Heterosiklik Gruplar İçeren Siklotrifosfazen Bileşiklerini Sentezi, Karakterizasyonu ve Fotofiziksel Özelliklerinin İncelenmesi**
Erdemir E.
31. Ulusal Kimya Kongresi, İstanbul, Turkey, 10 - 13 September 2019, pp.1-28

Metrics

Publication: 12

Citation (WoS): 42

Citation (Scopus): 106

H-Index (WoS): 3

H-Index (Scopus): 4

Non Academic Experience

TÜBİTAK