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Personal Information

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International Researcher IDs

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Education Information

Doctorate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Kimya (Dr), Turkey 2003 - 2009

Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Kimya (YI), Turkey 1996 - 1999

Undergraduate, Istanbul Technical University, Fen-Edebiyat Fakültesi, Kimya Bölümü, Turkey 1992 - 1996

Foreign Languages

English

Dissertations

Doctorate, Yeni Pirazinoporfirazinlerin Sentezi ve Özelliklerinin İncelenmesi, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Kimya (Dr), 2009

Postgraduate, Oktakis(2-Tosilaminoetiltia) Sübstitüe Porfirazinler, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Kimya (YI), 1999

Research Areas

Chemistry, Inorganic Chemistry, Transition Metals, Photochemistry of Inorganic Molecules, Inorganic Reaction Mechanisms and Kinetics, Coordination Chemistry, Organometallic Chemistry, Novel Ligands, Chemistry of Dyes and Pigments, Chemistry of Heterocyclic Compounds, Organic Spectroscopy, Natural Sciences

Academic Titles / Tasks

Associate Professor, Istanbul Technical University, Fen-Edebiyat, Kimya, 2018 - Continues

Research Assistant, Istanbul Technical University, Fen-Edebiyat, Kimya, 1998 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

1. Synthesis, Electrochemistry, Spectroelectrochemistry, and Electrochromism of

Metallophthalocyanines Substituted with Four (2,4,5-trimethylphenyl)ethynyl Groups

Ozcan S., Kobak R. Z., BUDAK Ö., KOCA A., Bayır Z.

ELECTROANALYSIS, vol.34, no.10, pp.1610-1620, 2022 (SCI-Expanded)

- II. **1,2,4-triazole-5(4H)-one based novel peripherally tetrasubstituted metal-free and metallophthalocyanines: Synthesis, characterization, and electrochemical and spectroelectrochemical properties**
Aktas A., Uenlueer D., Kobak R. Z., ACAR İ., Dugdu E., KOCA A., KANTEKİN H.
INORGANIC AND NANO-METAL CHEMISTRY, vol.47, no.6, pp.830-840, 2017 (SCI-Expanded)
- III. **Electrochemical and spectroelectrochemical properties of new metal free, nickel(II), lead(II) and zinc(II) phthalocyanines**
SAKA E. T., Kobak R. Z., ALP H., Sarki G., Koca A., KANTEKİN H.
SYNTHETIC METALS, vol.217, pp.295-303, 2016 (SCI-Expanded)
- IV. **Synthesis, characterization, electrochemical and spectroelectrochemical properties of novel peripherally tetra-1,2,4-triazole substituted phthalocyanines**
DEMİRBAŞ Ü., Kobak R. Z., AKCAY H. T., Unluer D., Koca A., ÇELİK F., KANTEKİN H.
SYNTHETIC METALS, vol.215, pp.68-76, 2016 (SCI-Expanded)
- V. **Synthesis and electrochemical characterization of tetra-(5-chloro-2-(2,4-dichlorophenoxy)phenol) substituted Ni(II), Fe(II) and Cu(II) metallophthalocyanines**
DEMİRBAŞ Ü., Kobak R. Z., BARUT B., Bayrak R., Koca A., KANTEKİN H.
SYNTHETIC METALS, vol.215, pp.7-13, 2016 (SCI-Expanded)
- VI. **Substituent effects to the electrochromic behaviors of electropolymerized metallophthalocyanine thin films**
Kobak R. Z., Akyuz D., Koca A.
JOURNAL OF SOLID STATE ELECTROCHEMISTRY, vol.20, no.5, pp.1311-1321, 2016 (SCI-Expanded)
- VII. **Synthesis, structural characterizations, and electrochemical and spectroelectrochemical properties of novel peripherally octa-substituted metallophthalocyanines**
KANTEKİN H., Sarki G., Koca A., BEKİRCAN O., AKTAŞ A., Kobak R. Z., SAĞLAM M.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, pp.53-62, 2015 (SCI-Expanded)
- VIII. **Magnesium Azaphthalocyanines: An Emerging Family of Excellent Red-Emitting Fluorophores**
Zimcik P., NOVAKOVA V., KOPECKY K., MILETIN M., Kobak R. Z., SVANDRLIKOVA E., VACHOVA L., LANG K.
INORGANIC CHEMISTRY, vol.51, no.7, pp.4215-4223, 2012 (SCI-Expanded)
- IX. **The effect of the number of carbohydrate moieties on the azaphthalocyanine properties**
Novakova V., Kobak R. Z., KUCERA R., KOPECKY K., MILETIN M., KREPSOVA V., IVINCOVA J., ZIMCIK P.
DALTON TRANSACTIONS, vol.41, no.35, pp.10596-10604, 2012 (SCI-Expanded)
- X. **Synthesis and solution studies on azaphthalocyanines with quaternary aminoethyl substituents**
Kobak R. Z., GUEL A.
COLORATION TECHNOLOGY, vol.125, no.1, pp.22-28, 2009 (SCI-Expanded)
- XI. **Electrochemical investigation of metal-free and nickel-containing porphyrazines carrying eight tosylaminoethylthia groups**
Koca A., SAHIN M., GUL A., USLU R.
MONATSHEFTE FÜR CHEMIE, vol.133, no.8, pp.1135-1145, 2002 (SCI-Expanded)

Articles Published in Other Journals

- I. **Formation and Uses of Imidazo[1,2-a]pyrimidines and Related Compounds: A Review Comprising Years 2000-2021**
Kobak R. Z., Akkurt B.
Journal of the Turkish Chemical Society, Section A: Chemistry, vol.9, no.4, pp.1335-1386, 2022 (Scopus)
- II. **Yeni Kuaterner Azaftalosiyenlerin Sentez ve Çözelti Çalışmaları**
USLU KOBAK R. Z., GÜL A.

Supported Projects

Kobak R. Z., Project Supported by Higher Education Institutions, Titanil Ftalosiyeninlerin Oksijen Sensör Özellikleri, 2015 - 2018

Kobak R. Z., Project Supported by Higher Education Institutions, Understanding the Aggregation Phenomena in Phthalocyanines, 2014 - 2018

Metrics

Publication: 30

Citation (WoS): 142

Citation (Scopus): 144

H-Index (WoS): 6

H-Index (Scopus): 6

Non Academic Experience

FACULTY of PHARMACY, CHARLES UNIVERSITY , CZECH REPUBLIC