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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAR-2893-2020

ScopusID: 36622779600

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Education Information

Doctorate, Karadeniz Technical University, -, Kimya, Turkey 2007 - 2012

Postgraduate, Karadeniz Technical University, -, Kimya, Turkey 2005 - 2007

Undergraduate, Karadeniz Technical University, Fen Fakültesi, Kimya, Turkey 2000 - 2005

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Periferal Tetra Sübstitüe Ftalosiyinlerin Sentezi, Karakterizasyonu ve Kobalt Ftalosiyinlerin Siklohegzen Oksidasyonu Üzerine Katalitik Etkinliklerinin İncelenmesi, Karadeniz Technical University, Fen Bilimleri, Kimya, 2012

Postgraduate, Yeni Tip Çözünür Ftalosiyinlerin Sentezi, Karakterizasyonu ve Elektrokimyasal Özelliklerinin İncelenmesi, Karadeniz Technical University, -, Kimya, 2007

Research Areas

Chemistry, Inorganic Chemistry, Transition Metals, Catalysis, Coordination Chemistry, Natural Sciences

Academic Titles / Tasks

Professor, Karadeniz Technical University, Fen Fakültesi, Kimya, 2022 - Continues

Associate Professor, Karadeniz Technical University, Fen Fakültesi, Kimya, 2015 - 2022

Research Assistant PhD, Karadeniz Technical University, Fen Fakültesi, Kimya, 2012 - 2015

Research Assistant, Karadeniz Technical University, Fen Fakültesi, Kimya, 2008 - 2012

Courses

- Temel Kimya-1, Undergraduate, 2021 - 2022
Kobalt Ftalosiyaninler ve Katalitik Özellikleri, Postgraduate, 2019 - 2020
Homojen Kataliz ve Uygulamaları, Postgraduate, 2017 - 2018
Genel Kimya Laboratuari-II, Undergraduate, 2016 - 2017
Günlük Hayatta Kimyasallar, Undergraduate, 2016 - 2017
Anorganik Kimya-II, Undergraduate, 2016 - 2017
Anorganik Kimya Laboratuari, Undergraduate, 2015 - 2016
Bor Bileşikleri, Undergraduate, 2015 - 2016
Anorganik Kimya-I, Undergraduate, 2016 - 2017

Advising Theses

Saka E. T., Thesis, Postgraduate, K.Tekintaş(Student), 2022

Published journal articles indexed by SCI, SSCI, and AHCI

- I. Preparation and characterization of axially substituted silicon phthalocyanine-modified nano TiO₂ thin films
Fazlı H., Akkol Ç., KESMEZ Ö., SAKA E. T., BIYIKLIOĞLU Z.
Journal of Organometallic Chemistry, vol.1022, 2024 (SCI-Expanded)
- II. Synthesis of phthalocyanine/C₃N₄ structures and investigation of photocatalytic activities in the oxidation reaction of 4-nitrophenol
SAKA E. T., Senocak A., Akkol C.
Journal of Coordination Chemistry, 2024 (SCI-Expanded)
- III. Synthesis of water soluble cobalt(II), copper(II) phthalocyanines and their usage as a catalyst in the photoxidation of benzyl alcohol in biphasic catalysis
Arin Öztürmen B. A., Akkol Ç., Saka E. T., Biyikhoğlu Z.
INORGANIC CHEMISTRY COMMUNICATIONS, vol.158, 2023 (SCI-Expanded)
- IV. An investigation on photocatalytic and α-amylase inhibitory activities of Co (II) and Zn(II) phthalocyanines
Tugba Saka E. T., Cakmak U., Akkol C., BIYIKLIOĞLU Z.
POLYHEDRON, vol.243, 2023 (SCI-Expanded)
- V. Enhancing the photocatalytic performance of Co(II) and Cu(II) phthalocyanine by containing 1,3,4-thiadiazole groups in 4-nitrophenol oxidation reaction
SAKA E. T., Tekintas K., BEKİRCAN O., BIYIKLIOĞLU Z.
Inorganica Chimica Acta, vol.547, 2023 (SCI-Expanded)
- VI. Investigation of photocatalytic properties of cobalt phthalocyanines on benzyl alcohol photoxidation
Yalazan H., Akkol C., SAKA E. T., KANTEKİN H.
Applied Organometallic Chemistry, vol.37, no.2, 2023 (SCI-Expanded)
- VII. Synthesis of water soluble copper(II), manganese(III) phthalocyanines and their photocatalytic performances in benzyl alcohol photoxidation
Fazlı H., Akkol Ç., OSMANOĞULLARI S. C., BIYIKLIOĞLU Z., SAKA E. T., BEKİRCAN O.
Journal of Organometallic Chemistry, vol.983, 2023 (SCI-Expanded)
- VIII. Preparation, characterization and photocatalytic activity of novel 1,2,4-triazole based Cu(II) and Zn(II) phthalocyanines modified TiO₂ nanoparticles
Tekintas K., KESMEZ Ö., BEKİRCAN O., SAKA E. T.
JOURNAL OF MOLECULAR STRUCTURE, vol.1248, 2022 (SCI-Expanded)
- IX. Synthesis of axially disubstituted silicon phthalocyanines and investigation of their in vitro cytotoxic/phototoxic anticancer activities

- Yurt F., SAKA E. T., BIYIKLIOĞLU Z., Tuncel A., Ozel D., Ocakoglu K.
JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, vol.25, no.1, pp.10-18, 2021 (SCI-Expanded)
- X. Light driven photodegradation of 4-nitrophenol with novel Co and Cu phthalocyanine in aqueous media
Saka E. T., Tekintas K.
JOURNAL OF MOLECULAR STRUCTURE, vol.1215, 2020 (SCI-Expanded)
- XI. Design, syntheses, spectroscopic, aggregation properties of novel peripheral octa-substituted zinc(II), magnesium(II) and lead(II) phthalocyanines and investigation of their photocatalytic properties on the photooxidation of 4-nitrophenol
Yalazan H., Tekintas K., Serdaroglu V., Saka E. T., Kahriman N., Kantekin H.
INORGANIC CHEMISTRY COMMUNICATIONS, vol.118, 2020 (SCI-Expanded)
- XII. Substituted Co(II) and Cu(II) metallophthalocyanines from new Schiff base containing pyrrole units: Synthesis, characterization and investigation of photocatalytic activity on 2,3-dichlorophenol oxidation
Kamiloglu A. A., SAKA E. T., ACAR İ.
JOURNAL OF INCLUSION PHENOMENA AND MACROCYCLIC CHEMISTRY, vol.96, pp.55-65, 2020 (SCI-Expanded)
- XIII. Synthesis, aggregation, photocatalytical and electrochemical properties of axially 1-benzylpiperidin-4-oxy units substituted silicon phthalocyanine
SAKA E. T., YALAZAN H., BIYIKHOGLU Z., KANTEKİN H., TEKİNTAŞ K.
Journal of Molecular Structure, vol.1199, 2020 (SCI-Expanded)
- XIV. (E)-4-(4-(3-(2-fluoro-5-(trifluoromethyl)phenyl)acryloyl)phenoxy)Substituted Co(II) and Cu(II) phthalocyanines and their catalytic activities on the oxidation of phenols
Saka E. T., Kahriman N.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.895, pp.48-54, 2019 (SCI-Expanded)
- XV. Synthesis, characterization, and photocatalytic activity of Co(II) and Cu(II) phthalocyanines linked with thiophene-Schiff base substituents for 4-nitrophenol oxidation
Kamiloglu A., SAKA E. T., ACAR İ., TEKİNTAŞ K.
JOURNAL OF COORDINATION CHEMISTRY, vol.72, no.16, pp.2778-2790, 2019 (SCI-Expanded)
- XVI. Degradation of substituted phenols with different oxygen sources catalyzed by Co(II) and Cu(II) phthalocyanine complexes
SAKA E. T., DUGDU E., ÜNVER Y.
JOURNAL OF COORDINATION CHEMISTRY, vol.72, pp.1119-1130, 2019 (SCI-Expanded)
- XVII. Synthesis, structural characterization, and investigation on photophysical and photochemical features of new metallophthalocyanines
ERTEM B., YALAZAN H., GÜNGÖR Ö., Sarkı G., Durmus M., SAKA E. T., KANTEKİN H.
JOURNAL OF LUMINESCENCE, vol.204, pp.464-471, 2018 (SCI-Expanded)
- XVIII. Anthracene Substituted Co (II) and Cu (II) phthalocyanines; Preparations, Investigation of Catalytical and Electrochemical Behaviors
SAKA E. T., BIYIKLIOĞLU Z., Caglar Y.
APPLIED ORGANOMETALLIC CHEMISTRY, vol.32, no.9, 2018 (SCI-Expanded)
- XIX. Preparation, characterization of new Co(II) and Cu(II) phthalocyanines and their catalytic performances in aerobic oxidation of substituted phenols
SAKA E. T.
JOURNAL OF INCLUSION PHENOMENA AND MACROCYCLIC CHEMISTRY, vol.91, pp.61-69, 2018 (SCI-Expanded)
- XX. New peripherally tetra-[trans-3,7-dimethyl-2,6-octadien-1-ol] substituted metallophthalocyanines: synthesis, characterization and catalytic activity studies on the oxidation of phenolic compounds
KANTEKİN H., SAKA E. T., ERTEM B., MISIR M. N., YALAZAN H., Sarkı G.
JOURNAL OF COORDINATION CHEMISTRY, vol.71, no.1, pp.164-182, 2018 (SCI-Expanded)
- XXI. New Co(II) and Cu(II) Phthalocyanine Catalysts Reinforced by Long Alkyl Chains for the Degradation of Organic Pollutants
SAKA E. T., Caglar Y.

- CATALYSIS LETTERS, vol.147, no.6, pp.1471-1477, 2017 (SCI-Expanded)
- XXII. **Peripherally tetra-{2-(2,3,5,6-tetrafluorophenoxy)ethoxy} substituted cobalt(II), iron(II) metallophthalocyanines: Synthesis and their electrochemical, catalytic activity studies**
KAMILOGLU A. A., ACAR İ., BIYIKLIOĞLU Z., SAKA E. T.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.828, pp.59-67, 2017 (SCI-Expanded)
- XXIII. **Fluoro functional groups substituted cobalt(II), iron(II) phthalocyanines and their catalytic properties on benzyl alcohol oxidation**
AKTAS A., ACAR İ., SAKA E. T., BIYIKLIOĞLU Z., KANTEKİN H.
JOURNAL OF INCLUSION PHENOMENA AND MACROCYCLIC CHEMISTRY, vol.86, pp.183-190, 2016 (SCI-Expanded)
- XXIV. **Peripherally tetra-{2-(2,3,5,6-tetrafluorophenoxy)ethoxy} substituted cobalt(II), iron(II) metallophthalocyanines: Synthesis and their electrochemical, catalytic activity studies**
Aktaş A., ACAR İ., BIYIKLIOĞLU Z., SAKA E. T.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.828, pp.59-67, 2016 (SCI-Expanded)
- XXV. **Synthesis of polyfluoro substituted Co(II), Fe(II) phthalocyanines and their usage as catalysts for aerobic oxidation of benzyl alcohol**
Aktas A., ACAR İ., SAKA E. T., BIYIKLIOĞLU Z.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, pp.1-7, 2016 (SCI-Expanded)
- XXVI. **A Simple Spectrofluorimetric Method Based on Quenching of a Nickel(II)-Phthalocyanine Complex to Determine Iron (III)**
CAGLAR Y., SAKA E. T., ALP H., KANTEKİN H., OCAK Ü., OCAK M.
JOURNAL OF FLUORESCENCE, vol.26, no.4, pp.1381-1389, 2016 (SCI-Expanded)
- XXVII. **Electrochemical and spectroelectrochemical properties of new metal free, nickel(II), lead(II) and zinc(II) phthalocyanines**
SAKA E. T., Kobak R. Z. U., ALP H., Sarkı G., KOCA A., KANTEKİN H.
SYNTHETIC METALS, vol.217, pp.295-303, 2016 (SCI-Expanded)
- XXVIII. **An efficient method for the oxidation of phenolic compounds using new Co(II) and Fe(II) phthalocyanines**
SAKA E. T., CELİK G., Sarkı G., KANTEKİN H.
JOURNAL OF INCLUSION PHENOMENA AND MACROCYCLIC CHEMISTRY, vol.85, pp.161-168, 2016 (SCI-Expanded)
- XXIX. **Synthesis, structural characterization, catalytic activity on aerobic oxidation of novel Co(II) and Fe(II) phthalocyanines and computational studies of 4-[2-(2,3-dichlorophenoxy)ethoxy]phthalonitrile**
SAKA E. T., Uzun S., Caglar Y.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.810, pp.25-32, 2016 (SCI-Expanded)
- XXX. **A Simple Spectrofluorimetric Method Based on Quenching of a Nickel(II)-Phthalocyanine Complex to Determine Iron (III)**
Çağlar Y., SAKA E. T., Alp H., KANTEKİN H., OCAK Ü., OCAK M.
JOURNAL OF INCLUSION PHENOMENA AND MACROCYCLIC CHEMISTRY, vol.26, pp.1381-1389, 2016 (SCI-Expanded)
- XXXI. **Electrochemical, spectroelectrochemical and catalytical properties of new Cu(II) and Co(II) phthalocyanines**
SAKA E. T., Sarkı G., KANTEKİN H., KOCA A.
SYNTHETIC METALS, vol.214, pp.82-91, 2016 (SCI-Expanded)
- XXXII. **Co(II) and Fe(II) phthalocyanines: synthesis, investigation of their catalytic activity towards phenolic compounds and electrochemical behaviour**
SAKA E. T., BIYIKLIOĞLU Z.
APPLIED ORGANOMETALLIC CHEMISTRY, vol.29, no.6, pp.392-399, 2015 (SCI-Expanded)
- XXXIII. **Synthesis and electrochemistry of new octa-substituted metal-free and metallophthalocyanines**
SAKA E. T., BIYIKLIOĞLU Z.
APPLIED ORGANOMETALLIC CHEMISTRY, vol.29, pp.392-399, 2015 (SCI-Expanded)
- XXXIV. **Synthesis and electrochemistry of new octa-substituted metal-free and metallophthalocyanines**

- ACAR İ., SAKA E. T., Topçu S., BIYIKLIOĞLU Z., KANTEKİN H.
JOURNAL OF COORDINATION CHEMISTRY, vol.68, pp.1847-1858, 2015 (SCI-Expanded)
- XXXV. **Facile synthesis of highly active Co(II) and Fe(II) phthalocyanine catalysts for aerobic oxidation of phenolic compounds**
SAKA E. T., Sarkı G., KANTEKİN H.
JOURNAL OF COORDINATION CHEMISTRY, vol.68, no.7, pp.1132-1141, 2015 (SCI-Expanded)
- XXXVI. **Synthesis and electrochemistry of new octa-substituted metal-free and metallophthalocyanines**
ACAR İ., SAKA E. T., Topcu S., BIYIKLIOĞLU Z., KANTEKİN H., AKTAS A.
JOURNAL OF COORDINATION CHEMISTRY, vol.68, no.10, pp.1847-1858, 2015 (SCI-Expanded)
- XXXVII. **Synthesis, electrochemistry of metal-free, copper, titanium phthalocyanines and investigation of catalytic activity of cobalt, iron phthalocyanines on benzyl alcohol oxidation bearing 4-{2-[3-trifluoromethyl]phenoxy}ethoxy groups**
AKTAS A., ACAR İ., BIYIKHOGLU Z., SAKA E. T., KANTEKİN H.
SYNTHETIC METALS, vol.198, pp.212-220, 2014 (SCI-Expanded)
- XXXVIII. **Highly selective oxidation of benzyl alcohol catalyzed by new peripherally tetra-substituted Fe(II) and Co(II) phthalocyanines**
CAKIR V., SAKA E. T., BIYIKLIOĞLU Z., KANTEKİN H.
SYNTHETIC METALS, vol.197, pp.233-239, 2014 (SCI-Expanded)
- XXXIX. **Microwave-assisted synthesis and characterization of Co(II) phthalocyanine and investigation of its catalytic activity on 4-nitrophenol oxidation**
SAKA E. T., BIYIKLIOĞLU Z., KANTEKİN H.
TURKISH JOURNAL OF CHEMISTRY, vol.38, no.6, pp.1166-1173, 2014 (SCI-Expanded)
- XL. **Investigation of catalytic activity of new Co(II) phthalocyanine complexes in cyclohexene oxidation using different type of oxidants**
AKTAS A., SAKA E. T., BIYIKLIOĞLU Z., ACAR İ., KANTEKİN H.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.745, pp.18-24, 2013 (SCI-Expanded)
- XLI. **Co(II) and Fe(II) phthalocyanines: Synthesis, characterization and catalytic activity on cyclohexene oxidation with different oxygen source**
SAKA E. T., BIYIKLIOĞLU Z.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.745, pp.50-56, 2013 (SCI-Expanded)
- XLII. **Synthesis, characterization and investigation of homogeneous oxidation activities of peripherally tetra-substituted Co(II) and Fe(II) phthalocyanines: Oxidation of cyclohexene**
BIYIKLIOĞLU Z., SAKA E. T., GOKCE S., KANTEKİN H.
JOURNAL OF MOLECULAR CATALYSIS A-CHEMICAL, vol.378, pp.156-163, 2013 (SCI-Expanded)
- XLIII. **New soluble peripherally tetra-substituted Co(II), Fe(II) phthalocyanines: Synthesis, spectroscopic characterization and their catalytic activity in cyclohexene oxidation**
SAKA E. T., CAKIR D., BLYIKLOGLU Z., KANTEKİN H.
DYES AND PIGMENTS, vol.98, no.2, pp.255-262, 2013 (SCI-Expanded)
- XLIV. **Synthesis, characterization of metal-free, metallophthalocyanines and catalytic activity of cobalt phthalocyanine in cyclohexene oxidation**
GOKCE S., SAKA E. T., BIYIKLIOĞLU Z., KANTEKİN H.
SYNTHETIC METALS, vol.176, pp.108-115, 2013 (SCI-Expanded)
- XLV. **Synthesis and characterization of peripheral and non-peripheral substituted Co(II) phthalocyanines and their catalytic activity in styrene oxidation**
SAKA E. T., ACAR İ., BIYIKLIOĞLU Z., KANTEKİN H., Kani I.
SYNTHETIC METALS, vol.169, pp.12-17, 2013 (SCI-Expanded)
- XLVI. **Novel metal-free, metallophthalocyanines and their quaternized derivatives: Synthesis, spectroscopic characterization and catalytic activity of cobalt phthalocyanine in 4-nitrophenol oxidation**
ACAR İ., BAYRAK R., SAKA E. T., BIYIKLIOĞLU Z., KANTEKİN H.
POLYHEDRON, vol.50, no.1, pp.345-353, 2013 (SCI-Expanded)

- XLVII. **Synthesis, characterization, photophysical and photochemical properties of tetra-2-[2-(benzothiazolylthio)]ethoxy substituted phthalocyanine derivatives**
SAKA E. T., ERSOY N., Göl C., Durmus M., BIYIKLIOĞLU Z., KANTEKİN H.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.723, pp.1-9, 2013 (SCI-Expanded)
- XLVIII. **Synthesis, characterization and catalytic activity of peripherally tetra-substituted Co(II) phthalocyanines for cyclohexene oxidation**
SAKA E. T., BIYIKLIOĞLU Z., KANTEKİN H., Kani I.
APPLIED ORGANOMETALLIC CHEMISTRY, vol.27, no.1, pp.59-67, 2013 (SCI-Expanded)
- XLIX. **Photophysical, photochemical and aggregation behavior of novel peripherally tetra-substituted phthalocyanine derivatives**
SAKA E. T., Göl C., Durmuş M., KANTEKİN H., BIYIKLIOĞLU Z.
JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY, vol.241, pp.67-78, 2012 (SCI-Expanded)
- L. **Photophysical, photochemical and aggregation behavior of novel peripherally tetra-substituted phthalocyanine derivatives**
SAKA E. T., Gol C., Durmus M., KANTEKİN H., BIYIKHOGLU Z.
JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY, vol.241, pp.67-78, 2012 (SCI-Expanded)
- LI. **Phthalocyanine-based fluorescent chemosensor for the sensing of Zn (II) in dimethyl sulfoxide-acetonitrile**
CAGLAR Y., GÜMRÜKÇÜOĞLU N., SAKA E. T., OCAK M., KANTEKİN H., OCAK Ü.
JOURNAL OF INCLUSION PHENOMENA AND MACROCYCLIC CHEMISTRY, vol.72, pp.443-447, 2012 (SCI-Expanded)
- LII. **Photophysical, Photochemical and Aggregation Behavior of Novel Peripherally Tetra-substituted Phthalocyanine Derivatives**
SAKA E. T., Göl C., Durmuş M., KANTEKİN H., BIYIKLIOĞLU Z.
JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY, vol.241, pp.67-78, 2012 (SCI-Expanded)
- LIII. **Solvent and central metal effects on the photophysical and photochemical properties of 4-benzyloxybenzoxy substituted phthalocyanines**
SAKA E. T., Durmus M., KANTEKİN H.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.696, no.4, pp.913-924, 2011 (SCI-Expanded)
- LIV. **New Type of Tetrazine-Substituted Metallophthalocyanines by Microwave Irradiation: Synthesis and Characterization**
SAKA E. T., YILDIRIM N., KANTEKİN H.
HETEROATOM CHEMISTRY, vol.21, no.7, pp.456-461, 2010 (SCI-Expanded)

Articles Published in Other Journals

- I. **The effect of silicon phthalocyanine on cell death and mitochondrial membrane potential in pancreatic cancer cells**
Kaya H. İ., Boğuşlu C., Kabak E., Akkol Ç., Saka E. T., Çelik Uzuner S.
Turkish Journal of Analytical Chemistry (Online), vol.4, no.2, pp.111-115, 2022 (Peer-Reviewed Journal)
- II. **Synthesis, Characterization and Photocatalytic Properties of Non-peripherally 3- (pyridin-4-yl) propane-1-oxy Groups Substituted Cu (II) Phthalocyanineand Water Soluble Derivative**
Saka E. T.
Sakarya University Journal Of Science, vol.24, pp.1029-1039, 2020 (Peer-Reviewed Journal)
- III. **Ionic liquid based dispersive liquidliquid microextraction procedure for the spectrophotometric determination of copper using 3-dimethylamino rhodanine as a chelating agent in natural waters**
Çağlar Y., SAKA E. T.
Karbala International Journal of Modern Science, vol.3, pp.185-190, 2017 (Scopus)

Refereed Congress / Symposium Publications in Proceedings

- I. **Investigation of the Performance of Co(II) and Cu(II) Phthalocyanine Catalysts in the Aerobic Oxidation of Benzyl Alcohol: Determination of Optimum Conditions**
Akkol Ç., Uzunel İ., Genç G., Saka E. T.
6. INTERNATIONAL ENVIRONMENTAL CHEMISTRY CONGRESS, Trabzon, Turkey, 5 - 08 November 2024, pp.114
- II. **Non-periferaly 2-(4-methoxyphenoxy)ethoxy groups substituted Co(II)phthalocyanine as receptor for selective recognition of Fe³⁺ cation**
Uzunel İ., Çağlar Y., Saka E. T.
6. INTERNATIONAL ENVIRONMENTAL CHEMISTRY CONGRESS, Trabzon, Turkey, 5 - 08 November 2024, pp.83
- III. **DNA Interaction and α-Glucosidase Inhibition Potential of a Newly Synthesized Zn(II) Phthalocyanine Complex**
Yıldırım Akatın M., Saka E. T., Sağlam Ertunga N.
6th Eurasia Biochemical Approaches & Technologies Congress , Tokat, Turkey, 24 - 27 October 2024, pp.109
- IV. **Synthesis of Novel Phthalocyanines and Their Usage as a Catalyst in the Photooxidation of Benzyl Alcohol**
Biyiklioğlu Z., Saka E. T., Öztürmen B. A., Akkol Ç.
5th Eurasia Biochemical Approaches and Technologies Congress (EBAT), Antalya, Turkey, 2 - 05 November 2023, pp.44
- V. **Investigation of DNA Binding Properties and Antidiabetic Effect of a New Water-Soluble Nonperipheral Zn(II) Phthalocyanine Complex and in silico Computational Studies**
Sağlam Ertunga N., Saka E. T., Taşkin Tok T., Yıldırım Akatın M.
5th EURASIA BIOCHEMICAL APPROACHES & TECHNOLOGIES (EBAT) CONGRESS, Antalya, Turkey, 2 November - 05 December 2023, pp.1
- VI. **Preparation and characterization of axial disubstituted silicon phthalocyanine modified nano TiO₂ thin films**
Fazlı H., Akkol Ç., Kesmez Ö., Saka E. T., Biyiklioğlu Z.
1st International Congress on Solutions in Science , İzmir, Turkey, 11 - 13 September 2023, pp.21
- VII. **Evaluation of photocatalytic properties of substituted cobalt phthalocyanines on benzyl alcohol photoxidation**
Yalazan H., Akkol Ç., Saka E. T., Kantekin H.
5th International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2022), Ankara, Turkey, 23 - 25 December 2022, pp.1718
- VIII. **'Synthesis, Characterization of Co(II) Phthalocyanine and Investigation of Its Catalytic Activity on Alcohol Oxidation**
BIYIKLIOĞLU Z., SAKA E. T., Çakır D., Çakır V., KANTEKİN H.
4th European Chemistry Congress, Czech Republic, pp.987
- IX. **'Selective oxidation reaction of fenol compounds catalyzed by water soluble Fe(II) and Co(II) phthalocyanines**
SAKA E. T.
International Congress of Porphyrines and Phthalocyanines Conference, İstanbul, Turkey, pp.682
- X. **"Mikrodalga Yardımıyla Co(II) Ftalosiyanyinin Sentezi, Karakterizasyonu ve Alkol Oksidasyonu Üzerine Katalitik Aktivitesinin İncelenmesi**
SAKA E. T., BIYIKLIOĞLU Z., Kani İ., KANTEKİN H.
4th National Catalysis Conference, Kocaeli, Turkey, pp.104
- XI. **'Kobalt(II) Ftalosiyanyin; Mikrodalga Sentezi, Karakterizasyonu ve Siklohegzen Oksidasyonu Üzerine Katalitik Etkisinin İncelenmesi**
SAKA E. T., Kani İ., BIYIKLIOĞLU Z., KANTEKİN H.
4th National Catalysis Conference, Kocaeli, Turkey, pp.182
- XII. **Yeni Bir Okta-Substituted Metal-Free ve Metalloftalosiyanyinlerin Sentezi ve Karakterizasyonu**
BIYIKLIOĞLU Z., SAKA E. T., KANTEKİN H.

21. Ulusal Kimya Kongresi konferansı, Malatya, Turkey, pp.20
- XIII. 'Synthesis, Characterization, Photophysical, Photochemical and Aggregation Behavior of 4-[2-(1,4-Dioxa-8-azaspiro[4.5]dec-8-yl)]ethoxy-Substituted Phthalocyanine
SAKA E. T., Göl C., Durmuş M., KANTEKİN H., BIYIKLIOĞLU Z.
4th European Chemistry Congress, Czech Republic, pp.986
- XIV. 'Mikrodalga Yöntemi ile Metalli Ftalosianın Komplekslerinin Sentezi ve Karakterizasyonu
SAKA E. T., YILDIRIM N., KANTEKİN H.
2. Ulusal Anorganik Kimya Kongresi, Elazığ, Turkey, pp.89
- XV. 'Farklı Sübstiyent Gruplar içeren Organosoluble Metalli Ftalosianınların Spektroskopik Bulgular ile Karakterizasyonu
SAKA E. T., KANTEKİN H.
11. Ulusal Spektroskopi Kongresi, Ankara, Turkey, pp.111
- XVI. Karışık Donörlü Makrosiklik Grup Taşıyan Yeni (E,E)-Dioksim ve Metal Komplekslerinin Sentezi ve Karakterizasyonu
SAKA E. T., BIYIKLIOĞLU Z., KANTEKİN H.
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SAKA E. T., Durmuş M., KANTEKİN H.
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- XVIII. Metalsız ve Metalli Ftalosianınların Sentezi, Karakterizasyonu ve Co(II) Ftalosianının Katalitik Aktivitesinin İncelenmesi
SAKA E. T., Gökcə S., BIYIKLIOĞLU Z., KANTEKİN H.
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SAKA E. T., KANTEKİN H.
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- XXV. Fe (II) ve Co(II) Ftalosianınların Sentezi, Karakterizasyonu ve Siklohegzenin Okidasyon Reaksiyonu Üzerine Katalitik Etkisinin Araştırılması
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