

Prof. HAVA ÖZAY

Personal Information

Office Phone: [+90 286 218 0018](tel:+902862180018) Extension: 22019 veya 22168

Email: havaozay@comu.edu.tr

Web: <https://avesis.comu.edu.tr/arastirma-grubu/ozayrg>

Address: Çanakkale Onsekiz Mart Üniversitesi Fen Edebiyat Fakültesi Kimya Bölümü Terzioğlu Kampüsü 17100 ÇANAKKALE

International Researcher IDs

ORCID: 0000-0002-4184-7801

ScopusID: 35102910700

Yoksis Researcher ID: 26628

Education Information

Doctorate, Canakkale Onsekiz Mart University, Fen-Bilimleri Enstitüsü, Kimya Anabilimdalı, Turkey 2005 - 2010

Postgraduate, Canakkale Onsekiz Mart University, Fen-Bilimleri Enstitüsü, Kimya Anabilimdalı, Turkey 2002 - 2005

Undergraduate, Canakkale Onsekiz Mart University, Fen-Edebiyat Fakültesi, Kimya Bölümü, Turkey 1998 - 2002

Foreign Languages

English, B1 Intermediate

Dissertations

Doctorate, HALKALI FOSFAZENLERİN AMİNOLİZ VE ALKOLİZ REAKSİYONLARININ İNCELENMESİ, Canakkale Onsekiz Mart University, Fen-Bilimleri Enstitüsü, Kimya Anabilimdalı, 2010

Postgraduate, MALEİK ANHİDRİT, MALEİMİT VE 3,4,5,6-TETRAHİDROFTALİK ANHİDRİTİN MOLEKÜL İÇİ VE MOLEKÜLLER ARASI [2+2] FOTOKATILMA REAKSİYONLARININ İNCELENMESİ, Canakkale Onsekiz Mart University, Fen-Bilimleri Enstitüsü, Kimya Anabilimdalı, 2005

Research Areas

Chemical Engineering and Technology, Chemistry, Sensors, Functional Polymers, Polymeric Materials, Spectroscopy, Inorganic Chemistry, Inorganic Polymers, Catalysis, nanoclusters, Engineering and Technology

Academic Titles / Tasks

Professor, Canakkale Onsekiz Mart University, Fen Fakültesi, Kimya, 2019 - Continues

Associate Professor, Canakkale Onsekiz Mart University, Fen Fakültesi, Kimya, 2013 - 2019

Research Assistant, Canakkale Onsekiz Mart University, Fen Fakültesi, Kimya, 2002 - 2013

Academic and Administrative Experience

Dean, Canakkale Onsekiz Mart University, Fen Fakültesi, Kimya, 2023 - Continues

Fakülte Yönetim Kurulu Üyesi, Canakkale Onsekiz Mart University, Fen Fakültesi, Kimya, 2022 - 2023

Fakülte Kurulu Üyesi, Canakkale Onsekiz Mart University, Fen Fakültesi, Kimya, 2022 - 2023

Vice Dean, Canakkale Onsekiz Mart University, Fen Fakültesi, Kimya, 2022 - 2023

Canakkale Onsekiz Mart University, Fen Bilimleri Enstitüsü, 2016 - 2019

Canakkale Onsekiz Mart University, Fen-Edebiyat Fakültesi, Kimya Bölümü, 2015 - 2016

Courses

Genel Kimya II, Undergraduate, 2018 - 2019

Genel Kimya Laboratuvarı II, Undergraduate, 2018 - 2019

Genel Kimya I, Undergraduate, 2018 - 2019

Genel Kimya Laboratuvarı I, Undergraduate, 2018 - 2019

Supramoleküler Kimya, Postgraduate, 2015 - 2016

Anorganik Kimya Laboratuvarı, Undergraduate, 2014 - 2015

Kimya, Undergraduate, 2015 - 2016

Moleküler Simetri, Postgraduate, 2015 - 2016

Biyoanorganik Kimya, Undergraduate, 2015 - 2016, 2014 - 2015

Anorganik Kimya I, Undergraduate, 2015 - 2016

Anorganik Tepkime Mekanizmaları, Undergraduate, 2014 - 2015

Biyoanorganik Kimya, Postgraduate, 2014 - 2015

Koordinasyon Kimyası, Postgraduate, 2014 - 2015

Advising Theses

Özay H., Synthesis of Cyclomatrix Poly[Cyclotriphosphazene-co-(4,4'-Methylenebis(2-methylcyclohexylamine))] Structures and Their Use as a Controlled Drug Release System, Postgraduate, E.Dilek(Student), 2023

Özay H., Yeni Fonksiyonel Monomerlerin Sentezi ve Çeşitli Cevap Yeteneğine Sahip Akıllı Malzemelerin Hazırlanmasında Kullanımları, Doctorate, Z.Güngör(Student), 2023

Özay H., Siklotrifosfazen Halkası İçeren Bazı Polimerik Yapıların Sentezi ve Uygulamaları, Doctorate, A.Önder(Student), 2021

Özay H., Polimer Destekli Gümüş Nanopartiküllerin Sentezi ve Boran Türevi Bileşiklerin Hidrolizinde Katalizör Olarak Kullanılması, Postgraduate, S.GÜN(Student), 2021

Özay H., Nitrofenil Grubu İçeren Bazı Üre ve Tiyoüre Bileşiklerinin Sentezi ve Anyon Algılama Özelliklerinin İncelenmesi, Postgraduate, H.İNEGÖL(Student), 2019

Özay H., Fonksiyonel Silika İçerikli Metal Kompozitlerin Sentezi ve Katalizör Uygulamalarının Araştırılması, Postgraduate, Ö.ŞAHİN(Student), 2017

Özay H., Yeni Moleküler İyon Algılayıcıların Sentezi ve Uygulamaları, Postgraduate, Ö.Kaan(Student), 2017

Jury Memberships

Post Graduate, Tez Savunma Jürisi, Çanakkale Onsekiz Mart Üniversitesi, June, 2014

Published journal articles indexed by SCI, SSCI, and AHCI

1. **A new candidate for wound dressing materials: s-IPN hydrogel-based highly elastic and pH-sensitive drug delivery system containing pectin and vinyl phosphonic acid**
Şeref E., İlgin P., Ozay Ö., Ozay H.

EUROPEAN POLYMER JOURNAL, vol.207, pp.1-11, 2024 (SCI-Expanded)

- II. **Utilization of superabsorbent xanthan films cross-linked with Ru0 nanoparticles for hydrogen generation from ammonia borane**
Özay H., Tercan Yavaşoğlu M., Özay Ö.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.61, pp.367-376, 2024 (SCI-Expanded)
- III. **Synthesis and characterization of cyclomatrix polyphosphazenes framework nanospheres-supported Cu0 nanocatalyst and its use in hydrogen production from ethylenediamine bisborane**
Onder A., Özay H.
International Journal of Hydrogen Energy, vol.52, pp.1220-1233, 2024 (SCI-Expanded)
- IV. **Investigation of Drug Release Behavior of Cyclomatrix Polyphosphazene Microparticles Decorated with Gold and Silver Nanoparticles**
Dilek E., Özay H.
CHEMISTRYSELECT, vol.9, no.1, pp.1-12, 2024 (SCI-Expanded)
- V. **Use of cationic p[2-(acryloyloxy)ethyl] trimethylammonium chloride in hydrogel synthesis and adsorption of methyl orange with jeffamine based crosslinker**
Güngör Z., Özay H.
JOURNAL OF DISPERSION SCIENCE AND TECHNOLOGY, vol.45, no.1, pp.91-106, 2024 (SCI-Expanded)
- VI. **Assessment of release and anticancer effect of innovative pH-responsive and antioxidant-biodegradable hydrogel by using Parthenocissus quinquefolia L. extract as a crosslinker**
Cömert Önder F., Kalın S., Önder A., Özay H., Özay Ö.
JOURNAL OF DRUG DELIVERY SCIENCE AND TECHNOLOGY, vol.90, no.105113, pp.1-12, 2023 (SCI-Expanded)
- VII. **Rapid preparation of Ru(0) nanoparticles stabilized with water-soluble biopolymer for hydrogen production from ammonia borane: Development of battery-like hydrolysis media**
Seref E., Tercan M., Özay H., Ilgın P., Özay Ö.
International Journal of Hydrogen Energy, vol.48, no.78, pp.30420-30434, 2023 (SCI-Expanded)
- VIII. **Self-assembled silibinin-containing phosphazene/cystamine hybrid nanospheres as biodegradable dual-drug carriers with improved anticancer activity on a breast cancer cell line**
Ozsoy F., Cömert Önder F., Ilgın P., Özay H., Önder A., Özay Ö.
MATERIALS TODAY COMMUNICATIONS, vol.37, pp.1-11, 2023 (SCI-Expanded)
- IX. **Preparation of antioxidant-biodegradable poly(acrylic acid-co-2-hydroxyethyl methacrylate) hydrogel using rutin as a crosslinker: Drug release and anticancer activity**
Cömert Önder F., Önder A., Ilgın P., Özay H., Özay Ö.
REACTIVE AND FUNCTIONAL POLYMERS, vol.190, pp.1-11, 2023 (SCI-Expanded)
- X. **Synthesis of p(HEMA-co-AETAC) nanocomposite hydrogel with vinyl-function montmorillonite nanoparticles and effective removal of methyl orange from aqueous solution**
Onder A., Kivanç M. R., Ilgın P., Özay H., Özay Ö.
Journal of Macromolecular Science, Part A: Pure and Applied Chemistry, vol.60, no.2, pp.108-123, 2023 (SCI-Expanded)
- XI. **Adsorption of methylene blue from aqueous solution using poly(2-acrylamido-2-methyl-1-propanesulfonic acid-co-2-hydroxyethyl methacrylate) hydrogel crosslinked by activated carbon**
Ilgın P., Onder A., Kivanç M. R., Özay H., Özay Ö.
Journal of Macromolecular Science, Part A: Pure and Applied Chemistry, vol.60, no.2, pp.135-149, 2023 (SCI-Expanded)
- XII. **Highly effective palladium nanocatalyst supported in polymeric networks for the catalytic hydrogen generation from borane-morpholine complex**
Özay H., Tercan M., Özay Ö., Ilgın P.
ChemistrySelect, vol.7, no.45, 2022 (SCI-Expanded)
- XIII. **Ultra-fast pH determination with a new colorimetric pH-sensing hydrogel for biomedical and environmental applications**
Gungor Z., Özay H.
REACTIVE & FUNCTIONAL POLYMERS, vol.180, 2022 (SCI-Expanded)

- XIV. **Graphene nanoplate incorporated Gelatin/poly(2-(Acryloyloxy)ethyl trimethylammonium chloride) composites hydrogel for highly effective removal of Alizarin Red S from aqueous solution**
Özsoy F., Ozdilek B., Onder A., Ilgin P., Özay H., Özay Ö.
JOURNAL OF POLYMER RESEARCH, vol.29, pp.1-16, 2022 (SCI-Expanded)
- XV. **Preparation of composite hydrogels containing fly ash as low-cost adsorbent material and its use in dye adsorption**
Onder A., Ilgin P., Ozay H., Ozay Ö.
International Journal of Environmental Science and Technology, vol.19, no.8, pp.7031-7048, 2022 (SCI-Expanded)
- XVI. **Adsorption of Malachite Green from Aqueous Solution Using Hydroxyethyl Starch Hydrogel Improved by Graphene Oxide**
Onder A., Kivanç M. R., Durmus S., Ilgin P., Özay H., Özay Ö.
JOURNAL OF POLYMERS AND THE ENVIRONMENT, vol.30, no.7, pp.2928-2942, 2022 (SCI-Expanded)
- XVII. **Synthesis of new type temperature and pH sensitive hydrogels using drug-based p-(methacryloyloxy)acetanilide monomer and their usage as controlled drug carrier material**
Gungor Z., Özay H.
JOURNAL OF MACROMOLECULAR SCIENCE PART A-PURE AND APPLIED CHEMISTRY, vol.59, no.4, pp.295-306, 2022 (SCI-Expanded)
- XVIII. **An innovative approach to use zeolite as crosslinker for synthesis of p(HEMA-co-NIPAM) hydrogel**
Durmus S., Yilmaz B., Onder A., Ilgin P., Özay H., Özay Ö.
MONATSHFTE FÜR CHEMIE, vol.153, no.4, pp.369-382, 2022 (SCI-Expanded)
- XIX. **Removal of anionic dyes from aqueous media by using a novel high positively charged hydrogel with high capacity**
Kivanç M. R., Özay Ö., Özay H., Ilgin P.
Journal of Dispersion Science and Technology, vol.43, no.7, pp.1000-1015, 2022 (SCI-Expanded)
- XX. **Synthesis, characterization, and in vitro drug release properties of AuNPs/p(AETAC-co-VI)/Q nanocomposite hydrogels**
Durmus S., Yilmaz B., Kivanç M. R., Onder A., Ilgin P., Özay H., Özay Ö.
Gold Bulletin, vol.54, no.2, pp.75-87, 2021 (SCI-Expanded)
- XXI. **Highly efficient removal of methyl orange from aqueous media by amine functional cyclotriphosphazene submicrospheres as reusable column packing material**
Onder A., Özay H.
Chemical Engineering and Processing - Process Intensification, vol.165, 2021 (SCI-Expanded)
- XXII. **Novel hydrogels based on crosslinked chitosan with formyl-phosphazene using Schiff-base reaction**
ÖZAY H., ILGIN P., ÖZAY Ö.
INTERNATIONAL JOURNAL OF POLYMERIC MATERIALS AND POLYMERIC BIOMATERIALS, vol.70, no.4, pp.246-255, 2021 (SCI-Expanded)
- XXIII. **Synthesis and Characterization of Biodegradable and Antioxidant Phosphazene-Tannic Acid Nanospheres and Their Utilization as Drug Carrier Material**
Önder A., Özay H.
Materials Science & Engineering C-Materials For Biological Applications, vol.120, pp.1-10, 2021 (SCI-Expanded)
- XXIV. **The single-step synthesis of thiol-functionalized phosphazene-based polymeric microspheres as drug carrier**
Özay H., Ilgin P., Özyurt C., Özay Ö.
POLYMER-PLASTICS TECHNOLOGY AND MATERIALS, vol.59, no.17, pp.1944-1955, 2020 (SCI-Expanded)
- XXV. **Removal of dye from aqueous medium with pH-sensitive poly[(2-(acryloyloxy)ethyl]trimethylammonium chloride-co-1-vinyl-2-pyrrolidone] cationic hydrogel**
Onder A., Ilgin P., Özay H., Özay Ö.
Journal of Environmental Chemical Engineering, vol.8, no.5, 2020 (SCI-Expanded)
- XXVI. **Synthesis and characterization of pH responsive alginate based-hydrogels as oral drug delivery carrier**
Ilgin P., Özay H., Özay Ö.

Journal of Polymer Research, vol.27, 2020 (SCI-Expanded)

- XXVII. **A New Approach to Synthesis of Highly Dispersed Gold Nanoparticles via Glucose Oxidase-Immobilized Hydrogel and Usage in The Reduction of 4-Nitrophenol**
ÖZAY H., Tarimeri N., Güngör Z., DEMİRBAKAN B., ÖZCAN B., SEZGİNTÜRK M. K., ÖZAY Ö.
CHEMISTRYSELECT, vol.5, no.29, pp.9143-9152, 2020 (SCI-Expanded)
- XXVIII. **Pd nanoreactors with excellent catalytic activity supported in p(SPA) hydrogel networks for hydrogen production from ethylenediamine bisborane**
ÖZAY H., ILGIN P., SEZGİNTÜRK M. K., ÖZAY Ö.
RENEWABLE ENERGY, vol.155, pp.500-512, 2020 (SCI-Expanded)
- XXIX. **Hydrogen production via copper nanocatalysts stabilized by cyclen derivative hydrogel networks from the hydrolysis of ammonia borane and ethylenediamine bisborane**
ÖZAY H., ILGIN P., ÖZAY Ö.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.45, no.35, pp.17613-17624, 2020 (SCI-Expanded)
- XXX. **Ag(0) nanocatalyst stabilized with networks of p(SPA-co-AMPS) for the hydrogen generation process from ethylenediamine bisborane hydrolysis**
Durgut S., Özey H.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.45, pp.17649-17661, 2020 (SCI-Expanded)
- XXXI. **The preparation of various shapes and porosities of hydroxyethyl starch/p(HEMA-co-NVP) IPN hydrogels as programmable carrier for drug delivery**
Özey Ö., Ilgin P., Özey H., Gungor Z., Yilmaz B., Kivanç M. R.
JOURNAL OF MACROMOLECULAR SCIENCE PART A-PURE AND APPLIED CHEMISTRY, vol.57, no.5, pp.379-387, 2020 (SCI-Expanded)
- XXXII. **The efficient removal of anionic and cationic dyes from aqueous media using hydroxyethyl starch-based hydrogels**
Ilgin P., Özey H., Özey Ö.
CELLULOSE, vol.27, no.8, pp.4787-4802, 2020 (SCI-Expanded)
- XXXIII. **Dual use of colorimetric sensor and selective copper removal from aqueous media with novel p(HEMA-co-TACYC) hydrogels: Cyclen derivative as both monomer and crosslinker**
Özey H., Gungor Z., Yilmaz B., Ilgin P., Özey Ö.
JOURNAL OF HAZARDOUS MATERIALS, vol.389, 2020 (SCI-Expanded)
- XXXIV. **Ruthenium nanoparticles supported in the network of HES-p(AMPS) IPN hydrogel as efficient catalyst for hydrogen production from the hydrolysis of ethylenediamine bisborane**
ÖZAY H., ILGIN P., SEZGİNTÜRK M. K., ÖZAY Ö.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.45, no.16, pp.9892-9902, 2020 (SCI-Expanded)
- XXXV. **Selective adsorption of cationic dyes from colored noxious effluent using a novel N-tert-butylmaleamic acid based hydrogels**
Ilgin P., Özey H., Özey Ö.
REACTIVE & FUNCTIONAL POLYMERS, vol.142, pp.189-198, 2019 (SCI-Expanded)
- XXXVI. **A new dual stimuli responsive hydrogel: Modeling approaches for the prediction of drug loading and release profile**
Ilgin P., Özey H., Özey Ö.
EUROPEAN POLYMER JOURNAL, vol.113, pp.244-253, 2019 (SCI-Expanded)
- XXXVII. **Novel hexacentered phosphazene compound as selective Fe³⁺ ions sensor with high quantum yield: Synthesis and application**
Özey Ö., Özey H.
PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS, vol.194, no.3, pp.221-228, 2019 (SCI-Expanded)
- XXXVIII. **A novel hydrogel containing thioether group as selective support material for preparation of gold nanoparticles: Synthesis and catalytic applications**
ILGIN P., ÖZAY Ö., ÖZAY H.
APPLIED CATALYSIS B-ENVIRONMENTAL, vol.241, pp.415-423, 2019 (SCI-Expanded)

- XXXIX. **A simple azoquinoline based highly selective colorimetric sensor for CN⁻ anion in aqueous media**
Koc O. K., ÖZAY H.
CANADIAN JOURNAL OF CHEMISTRY, vol.95, no.7, pp.771-777, 2017 (SCI-Expanded)
- XL. **Synthesis, structural characterization, and anion interactions of new triazole-linked urea derivative fully substituted cyclotriphosphazene compounds**
ÖZAY Ö., Yildirim M., ÖZAY H.
PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS, vol.192, no.3, pp.307-315, 2017 (SCI-Expanded)
- XLI. **The Preparation of Phosphazene Crosslinked Cyclen Microspheres as Host for Cu²⁺ Ions and Their Utilization as a Support Material for the Preparation of a Copper Nanocatalyst**
SAHIN O., KOC O. K., ÖZAY H., ÖZAY Ö.
JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS, vol.27, no.1, pp.122-130, 2017 (SCI-Expanded)
- XLII. **The preparation and applications of novel phosphazene crosslinked thermo and pH responsive hydrogels**
ÖZAY H., SAHIN O., KOC O. K., ÖZAY Ö.
JOURNAL OF INDUSTRIAL AND ENGINEERING CHEMISTRY, vol.43, pp.28-35, 2016 (SCI-Expanded)
- XLIII. **SYNTHESIS, CHARACTERIZATION, AND NAKED-EYE SENSOR APPLICATION OF FULLY SUBSTITUTED UREA-BASED CYCLOTRIPHOSPHAZENE COMPOUND**
ÖZAY H., Yildirim M., ÖZAY Ö.
PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS, vol.190, no.11, pp.1865-1873, 2015 (SCI-Expanded)
- XLIV. **A neutral state colorless phosphazene/carbazole hybride dendron and its electrochromic device application**
Sezgin M., ÖZay Ö., Koyuncu S., ÖZay H., Baycan Koyuncu F.
CHEMICAL ENGINEERING JOURNAL, vol.274, pp.282-289, 2015 (SCI-Expanded)
- XLV. **Synthesis and characterization of novel urea and thiourea substitute cyclotriphosphazene compounds as naked-eye sensors for F⁻ and CN⁻ anions**
ÖZAY H., Yildirim M., ÖZAY Ö.
TURKISH JOURNAL OF CHEMISTRY, vol.39, no.4, pp.777-788, 2015 (SCI-Expanded)
- XLVI. **Novel hexapodal triazole linked to a cyclophosphazene core rhodamine-based chemosensor for selective determination of Hg²⁺ ions**
ÖZAY H., Kagit R., Yildirim M., Yesilot S., ÖZAY Ö.
JOURNAL OF FLUORESCENCE, vol.24, no.6, pp.1593-1601, 2014 (SCI-Expanded)
- XLVII. **Synthesis and characterization of drug microspheres containing phosphazene for biomedical applications**
ÖZay H., ÖZay Ö.
COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS, vol.450, pp.99-105, 2014 (SCI-Expanded)
- XLVIII. **Separation and Speciation of Iron Ions by Using Colorimetric Hydrogels**
ÖZAY Ö., ÖZAY H.
JOURNAL OF MACROMOLECULAR SCIENCE PART A-PURE AND APPLIED CHEMISTRY, vol.51, no.4, pp.308-317, 2014 (SCI-Expanded)
- XLIX. **Phosphazene Based Multicentered Naked-Eye Fluorescent Sensor with High Selectivity for Fe³⁺ Ions**
Kagit R., Yildirim M., ÖZAY Ö., Yesilot S., ÖZAY H.
INORGANIC CHEMISTRY, vol.53, no.4, pp.2144-2151, 2014 (SCI-Expanded)
- L. **Rhodamine based reusable and colorimetric naked-eye hydrogel sensors for Fe³⁺ ion**
ÖZAY H., ÖZAY Ö.
CHEMICAL ENGINEERING JOURNAL, vol.232, pp.364-371, 2013 (SCI-Expanded)
- LI. **Comparison Study of Low Cost Fly Ash Supported Cu, Co and Ni Metal Catalyst Systems for the Reduction of 4-Nitrophenol**

Ozay H.

SCIENCE OF ADVANCED MATERIALS, vol.5, no.6, pp.575-582, 2013 (SCI-Expanded)

- LII. **Spectroscopic Studies and Structure of 3-methoxy-2-[(2,4,4,6,6-pentachloro-1,3,5,2- λ (5),4- λ (5),6-triazatriphosphin-2-yl)oxy]benzaldehyde**
Özay H., Yıldız M., Ünver H., Durlu T. N.
Crystallography Reports, vol.58, pp.102-105, 2013 (SCI-Expanded)
- LIII. **Spectroscopic studies and crystal structure of (E)-N'-(2-hydroxy-3-methoxybenzylidene)isonicotinohydrazide**
Ozay H., Yildiz M., Unver H., Kiraz A.
CRYSTALLOGRAPHY REPORTS, vol.58, no.1, pp.106-110, 2013 (SCI-Expanded)
- LIV. **Spectroscopic studies and structure of 3-methoxy-2-[(2,4,4,6,6-pentachloro-1,3,5,2- λ (5),4- λ (5),6- λ (5)-triazatriphosphin-2-yl)oxy]benzaldehyde**
ÖZAY H., YILDIZ M., Unver H., Durlu T. N.
CRYSTALLOGRAPHY REPORTS, vol.58, no.1, pp.102-105, 2013 (SCI-Expanded)
- LV. **Stability Constants of Some Polydentate Ligands with Nickel(II) by Spectrophotometric Titration**
ÖZAY H., ÜLGEN A., Baran Y.
CHINESE JOURNAL OF INORGANIC CHEMISTRY, vol.28, no.8, pp.1680-1686, 2012 (SCI-Expanded)
- LVI. **Spectroscopic Studies and Crystal Structure of Four-Coordinate Manganese(II) Chloride Complex**
ÖZAY H., YILDIZ M., Unver H., Iskeleli N. O.
SYNTHESIS AND REACTIVITY IN INORGANIC METAL-ORGANIC AND NANO-METAL CHEMISTRY, vol.42, no.6, pp.872-877, 2012 (SCI-Expanded)
- LVII. **Copper and cobalt complexes of octadentate azamacrocycles: Spectrophotometric titration, stopped-flow kinetics and crystallographic study**
ÖZAY H., Baran Y., Ishii Y.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.83, no.1, pp.525-531, 2011 (SCI-Expanded)
- LVIII. **Spectroscopic and structural properties of N-(acetamide) morpholinium bromide**
Baran Y., ÖZAY H., Esener H., Turkyilmaz M.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.81, no.1, pp.99-103, 2011 (SCI-Expanded)
- LIX. **Synthesis, Spectral Studies, Antimicrobial Activity and Crystal Structures of Phosphaza-Lariat Ethers**
ÖZAY H., YILDIZ M., Unver H., Dülger B.
ASIAN JOURNAL OF CHEMISTRY, vol.23, no.6, pp.2430-2436, 2011 (SCI-Expanded)
- LX. **Synthetic, structural, spectroscopic, and stopped-flow kinetic investigation of imine production**
Baran Y., ÖZAY H., Esener H.
PROGRESS IN REACTION KINETICS AND MECHANISM, vol.36, no.2, pp.178-188, 2011 (SCI-Expanded)
- LXI. **The stabilities and formation kinetics of some macrocycles with copper(II): crystal structures of some pendant arm macrocycles**
ÖZAY H., Baran Y., Miyamae H.
JOURNAL OF COORDINATION CHEMISTRY, vol.64, no.8, pp.1469-1480, 2011 (SCI-Expanded)
- LXII. **Utilization of Environmentally Benign Hydrogels and Their Networks as Reactor Media in the Catalytic Reduction of Nitrophenols**
ÖZAY H., Kubilay Ş., Aktaş N., ŞAHİNER N.
INTERNATIONAL JOURNAL OF POLYMERIC MATERIALS, vol.60, no.2, pp.163-173, 2011 (SCI-Expanded)
- LXIII. **Synthesis, Spectroscopic Studies and Structure of 2-[(Benzo[d]thiazol-2-ylamino)methyl]phenol**
YILDIZ M., ÖZAY H., Unver H., Iskeleli N. O., Zengin D. M., Durlu T. N.
JOURNAL OF CHEMICAL CRYSTALLOGRAPHY, vol.40, no.11, pp.909-913, 2010 (SCI-Expanded)
- LXIV. **A soft hydrogel reactor for cobalt nanoparticle preparation and use in the reduction of nitrophenols**
ŞAHİNER N., ÖZAY H., ÖZAY Ö., Aktaş N.
APPLIED CATALYSIS B-ENVIRONMENTAL, vol.101, pp.137-143, 2010 (SCI-Expanded)
- LXV. **New catalytic route: Hydrogels as templates and reactors for in situ Ni nanoparticle synthesis and**

usage in the reduction of 2-and 4-nitrophenols

ŞAHİNER N., ÖZAY H., ÖZAY Ö., Aktaş N.

APPLIED CATALYSIS A-GENERAL, vol.385, pp.201-207, 2010 (SCI-Expanded)

- LXVI. **Synthesis, Spectroscopic Studies and Antimicrobial Activity of Tetrakis(4-bromo-2-formylphenoxy)cyclotriphosphazene and its Imino-Amino Derivatives**
ÖZAY H., YILDIZ M., Dülger B., Unver H.
ASIAN JOURNAL OF CHEMISTRY, vol.22, no.5, pp.3813-3823, 2010 (SCI-Expanded)
- LXVII. **Synthesis, complex formation kinetics and thermodynamic study of some acyclic polyamine and N2O2 ligands with copper(II)**
ÖZAY H., Baran Y.
JOURNAL OF COORDINATION CHEMISTRY, vol.63, no.24, pp.4299-4308, 2010 (SCI-Expanded)
- LXVIII. **Spectroscopic study and structure of (E)-2-[(2-chlorobenzylimino)methyl]methoxyphenol**
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