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Education Information

Doctorate, İstanbul Technical University, Fen Bilimleri Enstitüsü, Kimya (Dr), Turkey 1992 - 1996

Postgraduate, İstanbul Technical University, Fen Bilimleri Enstitüsü, Kimya (YI), Turkey 1990 - 1992

Undergraduate, Karadeniz Technical University, Fatih Eğitim Fakültesi, Matematik Ve Fen Bilimleri Eğitimi Bölümü, Turkey 1985 - 1989

Foreign Languages

English

Research Areas

Basic Sciences, Chemistry, Analytical Chemistry, Electromagnetic Methods, Sensors, Physical Chemistry, Electrochemistry, Inorganic Chemistry, Coordination Chemistry, Organometallic Chemistry, Novel Ligands

Academic Titles / Tasks

Professor, İstanbul Technical University, Fen-Edebiyat, Kimya, 2009 - Continues

Associate Professor, İstanbul Technical University, Fen-Edebiyat, Kimya, 2003 - 2009

Assistant Professor, İstanbul Technical University, Fen-Edebiyat, Kimya, 1999 - 2003

Academic and Administrative Experience

İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, 2010 - 2012

İstanbul Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Kimya Bölümü, 2004 - 2007

Jury Memberships

Associate Professor Exam, doçentlik sınavı, İTÜ, October, 2016

Associate Professor Exam, DOÇENTLİK SINAVI, İTÜ, October, 2015

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Development of a new near-infrared, spectrophotometric, and colorimetric probe based on phthalocyanine containing mercaptoquinoline unit for discriminative and highly sensitive detection of Ag⁺, Cu²⁺, and Hg²⁺ ions**
Cetin D., Yavuz Ö., Alçay Y., Semih Yıldırım M., Kaplan M., Aribuğa H., Özdemir E., Ertugral U., Yılmaz İ.
Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, vol.297, 2023 (SCI-Expanded)
- II. **Colorimetric and near-infrared spectrophotometric monitoring of bisulfite using glyoxal modified chromenylium-cyanine chemosensor: Smartphone and paper strip applications for on-site food and beverages control**
Özdemir E. T., Alçay Y., Yıldırım M. S., Aribuğa H., Ertugral U., Kaya K., Yılmaz İ.
Talanta, vol.261, 2023 (SCI-Expanded)
- III. **A methionine biomolecule-modified chromenylium-cyanine fluorescent probe for the analysis of Hg²⁺ in the environment and living cells**
Alçay Y., Özdemir E. T., Yıldırım M. S., Ertugral U., Yavuz Ö., Aribuğa H., Özklıç Y., Şenyurt Tuzun N., Özدabak Sert A. B., Kök F. N., et al.
Talanta, vol.259, 2023 (SCI-Expanded)
- IV. **A new Fe³⁺-selective, sensitive, and dual-channel turn-on probe based on rhodamine carrying thiophenecarboxaldehyde: Smartphone application and imaging in living cells**
Aribuğa H., Ertugral U., Alçay Y., Yıldırım M. S., Özdemir E. T., Kaya K., Sert A. B. O., Kök F. N., Tüzün N., et al.
Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, vol.287, 2023 (SCI-Expanded)
- V. **A new highly Selective, sensitive and NIR spectrophotometric probe based on A2B2-Type of unsymmetrical phthalocyanine for hazardous Be²⁺ recognition**
Yavuz Ö., Sezen M., Alçay Y., Semih Yıldırım M., Aribuğa H., Özdemir E. T., Ertugral U., Özklıç Y., Şenyurt Tuzun N., Yılmaz İ.
Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, vol.284, 2023 (SCI-Expanded)
- VI. **Simultaneous, Selective and Highly Sensitive Voltammetric Determination of Lead, Cadmium, and Zinc via Modified Pencil Graphite Electrodes**
Ustabasi G. S., Yılmaz İ., Özcan M., Cetinkaya E.
ELECTROANALYSIS, vol.34, no.8, pp.1237-1244, 2022 (SCI-Expanded)
- VII. **Construction of anthraquinone functional zinc phthalocyanine sensor platform for ultra-trace amount of water determination in tetrahydrofuran and N,N-Dimethylformamide**
Yıldırım M. S., Alçay Y., Yavuz Ö., Atasen S. K., Mermer Z., Aribuğa H., Yılmaz İ.
ANALYTICA CHIMICA ACTA, vol.1198, 2022 (SCI-Expanded)
- VIII. **Construction of Pencil Graphite Electrode Modified with Nafion, MWCNT, and Bismuth for Simultaneous Lead and Cadmium Detection**
Ustabasi G. S., Yılmaz İ., Özcan M., Cetinkaya E.
JOURNAL OF THE ELECTROCHEMICAL SOCIETY, vol.168, no.10, 2021 (SCI-Expanded)
- IX. **Review-Voltammetric Determination of Heavy Metals with Carbon-Based Electrodes**
Ustabasi G. S., Özcan M., Yılmaz İ.
JOURNAL OF THE ELECTROCHEMICAL SOCIETY, vol.168, no.9, 2021 (SCI-Expanded)
- X. **Design, synthesis and use of phthalocyanines as a new class of visible-light photoinitiators for free-radical and cationic polymerizations**
Breloy L., Yavuz Ö., Yılmaz İ., Yağcı Y., Versace D.
POLYMER CHEMISTRY, vol.12, pp.4291-4316, 2021 (SCI-Expanded)
- XI. **Synthesis and Spectro-Electrochemical Properties of New Metallophthalocyanines Having High Electron Transfer Capability**

- BAYRAK R., Atasen S. K., Yilmaz İ., Yalcin I., Erman M., ÜNVER Y., DEĞİRMENCİOĞLU İ.
JOURNAL OF MOLECULAR STRUCTURE, vol.1231, 2021 (SCI-Expanded)
- XII. **Architecture of multi-channel and easy-to-make sensors for selective and sensitive Hg²⁺ ion recognition through Hg-C and Hg-N bonds of naphthoquinone-aniline/pyrene union**
Mermer Z., Yavuz Ö., Atasen S. K., Alçay Y., Yilmaz İ.
JOURNAL OF HAZARDOUS MATERIALS, vol.410, 2021 (SCI-Expanded)
- XIII. **Dimethyl amino phenyl substituted silver phthalocyanine as a UV- and visible-light absorbing photoinitiator: in situ preparation of silver/polymer nanocomposites**
Breloy L., Alçay Y., Yilmaz İ., Breza M., Bourgon J., Brezova V., Yağcı Y., Versace D.
POLYMER CHEMISTRY, vol.12, no.9, pp.1273-1285, 2021 (SCI-Expanded)
- XIV. **A new perspective on the beryllium sensor platform: Low symmetry phthalocyanine-based molecular design and ultra trace amount Be²⁺ ion recognition in aqueous media**
Yavuz Ö., Sezen M., Alçay Y., Yıldırım M. S., Kaya K., Özklıç Y., Tüzün N., Yilmaz İ.
SENSORS AND ACTUATORS B-CHEMICAL, vol.329, 2021 (SCI-Expanded)
- XV. **New Chromenylium-cyanine based dual channel chemosensors for copper and hypochlorite sensing**
KARAOĞLU K., Kaya K., Yilmaz İ.
DYES AND PIGMENTS, vol.180, 2020 (SCI-Expanded)
- XVI. **Visible Light Anthraquinone Functional Phthalocyanine Photoinitiator for Free-Radical and Cationic Polymerizations**
Breloy L., Brezova V., Blacha-Grztechnik A., Presset M., Yıldırım M. S., Yilmaz İ., Yağcı Y., Versace D.
MACROMOLECULES, vol.53, no.1, pp.112-124, 2020 (SCI-Expanded)
- XVII. **Beryllium ion sensing through the ion pair formation between the electrochemically reduced ferrocenyl naphthoquinone radicals and Be²⁺ions**
Atasen S. K., Alçay Y., Yavuz Ö., Yücel B., Yilmaz İ.
JOURNAL OF CHEMICAL SCIENCES, vol.131, no.5, 2019 (SCI-Expanded)
- XVIII. **Superior Sensor for Be²⁺ Ion Recognition via the Unprecedented Octahedral Crystal Structure of a One-Dimensional Coordination Polymer of Crown Fused Zinc Phthalocyanine**
Yayuz Ö., Alçay Y., Kaya K., Sezen M., Atasen S. K., Yıldırım M. S., Özklıç Y., Tüzün N., Yilmaz İ.
INORGANIC CHEMISTRY, vol.58, no.1, pp.909-923, 2019 (SCI-Expanded)
- XIX. **New ferrocenyl naphthoquinone fused crown ether chemosensors: Highly selective, kinetically and regio controlled colorimetric, beryllium ion recognition**
Alçay Y., Yavuz Ö., Gelir A., ATASEN S. K., KARAOĞLU K., Yücel B., TUZUN N., Yilmaz İ.
Journal of Organometallic Chemistry, vol.868, pp.131-143, 2018 (SCI-Expanded)
- XX. **Detection of Fe²⁺ in acetonitrile/water mixture by new 8-hydroxyquinolin based sensor through metal displacement mechanism**
karaoğlu k., Akcay H. T., Yilmaz İ.
JOURNAL OF MOLECULAR STRUCTURE, vol.1133, pp.492-498, 2017 (SCI-Expanded)
- XXI. **Ferrocenyl-substituted dinuclear Cu(II) complex: Synthesis, spectroscopy, electrochemistry, DFT calculations and catecholase activity**
EMİRİK M., KARAOĞLU K., SERBEST K., MENTEŞE E., Yilmaz İ.
JOURNAL OF MOLECULAR STRUCTURE, vol.1106, pp.331-342, 2016 (SCI-Expanded)
- XXII. **A Novel Ferrocenyl Naphthoquinone Fused Crown Ether as a Multisensor for Water Determination in Acetonitrile and Selective Cation Binding**
Dagdevren M., Yilmaz İ., YUCEL B., EMIRIK M.
JOURNAL OF PHYSICAL CHEMISTRY B, vol.119, no.38, pp.12464-12479, 2015 (SCI-Expanded)
- XXIII. **Ketone synthesized cobaloxime/organocobaloxime catalysts for cyclic carbonate synthesis from CO₂ and epoxides: Characterization and electrochemistry**
Kilic A., Kilic M. V., Ulusoy M., Durgun M., Aytar E., DAGDEVREN M., Yilmaz İ.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.767, pp.150-159, 2014 (SCI-Expanded)
- XXIV. **The synthesis, characterization, and electrochemistry of molecular cobaloxime/organocobaloxime: catalysts for cycloaddition of carbon dioxide and epoxides**

- Kilic A., Ulusoy M., Durgun M., Aytar E., Keles A., DAGDEVREN M., Yilmaz İ.
JOURNAL OF COORDINATION CHEMISTRY, vol.67, no.16, pp.2661-2679, 2014 (SCI-Expanded)
- XXV. **Synthesis, characterization, electrochemical properties and conversions of carbon dioxide to cyclic carbonates mononuclear and multinuclear oxime complexes using as catalyst**
Kilic A., Palali A. A., Durgun M., Tasci Z., Ulusoy M., DAGDEVREN M., Yilmaz İ.
INORGANICA CHIMICA ACTA, vol.394, pp.635-644, 2013 (SCI-Expanded)
- XXVI. **Synthesis, characterization, electrochemical behaviors and applications in the Suzuki-Miyaura cross-coupling reactions of N₂S₂O₂ thio Schiff base ligand and its Cu(II), Co(III), Ni(II), Pd(II) complexes and their usage in the fabrication of organic-inorganic hybrid devices**
Temel H., Pasa S., Ocak Y. S., Yilmaz İ., Demir S., ÖZDEMİR İ.
SYNTHETIC METALS, vol.161, pp.2765-2775, 2012 (SCI-Expanded)
- XXVII. **Synthesis and characterization of pyrrole and thiophene functional polystyrenes via "click chemistry"**
Kışkan B., GACAL B., ASAN M., GUNAYDIN E. C., Yilmaz İ., YAGCI Y.
POLYMER BULLETIN, vol.67, no.4, pp.609-621, 2011 (SCI-Expanded)
- XXVIII. **Synthesis and electro-spectroelectrochemistry of ferrocenyl naphthaquinones**
Yucel B., SANLI B., SOYLEMEZ H., Yilmaz İ.
TETRAHEDRON, vol.67, no.7, pp.1406-1421, 2011 (SCI-Expanded)
- XXIX. **Hetero- and homo-leptic Ru(II) catalyzed synthesis of cyclic carbonates from CO₂; Synthesis, spectroscopic characterization and electrochemical properties**
Kilic A., Ulusoy M., DURGUN M., Tasci Z., Yilmaz İ., Cetinkaya B.
APPLIED ORGANOMETALLIC CHEMISTRY, vol.24, no.6, pp.446-453, 2010 (SCI-Expanded)
- XXX. **The orthopalladation dinuclear [Pd(L-1)(mu-OAc)](2), [Pd(L-2)(mu-OAc)](2) and mononuclear [Pd(L-3)(2)] complexes with [N, C, O] or [N, O] containing ligands: Synthesis, spectral characterization, electrochemistry and catalytic properties**
Kilic A., Kilinc D., Tas E., Yilmaz İ., Durgun M., ÖZDEMİR İ., YAŞAR S.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.695, no.5, pp.697-706, 2010 (SCI-Expanded)
- XXXI. **Synthesis, structural characterization, electrochemistry and spectroelectrochemistry of dinuclear copper(II) metal complexes stabilized by a tetradentate NOOO salicylaldimine ligands**
Tas E., Onal I. H., Yilmaz İ., Kilic A., Durgun M.
JOURNAL OF MOLECULAR STRUCTURE, vol.927, pp.69-77, 2009 (SCI-Expanded)
- XXXII. **Mono- and dinuclear Pd(II) complexes of different salicylaldimine ligands as catalysts of transfer hydrogenation of nitrobenzene with cyclohexene and Suzuki-Miyaura coupling reactions**
Tas E., Kilic A., Durgun M., Yilmaz İ., ÖZDEMİR İ., GÜRBÜZ N.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.694, no.3, pp.446-454, 2009 (SCI-Expanded)
- XXXIII. **Synthesis, characterization and electro-spectroelectrochemical studies of four macrocyclic Schiff-base Co(II) complexes having N₂O₂ set of donor atoms**
Yilmaz İ., Ilhan S., Temel H., Kilic A.
JOURNAL OF INCLUSION PHENOMENA AND MACROCYCLIC CHEMISTRY, vol.63, pp.163-169, 2009 (SCI-Expanded)
- XXXIV. **Synthesis spectroscopic and redox properties of the mononuclear Ni II Ni II BPh₂ 2 containing B C bond and trinuclear Cu II Ni II Cu II type metal complexes of N N 4 amino 1 benzyl piperidine glyoxime**
Yilmaz İ., KILIÇ A., TAS E.
JOURNAL OF CHEMICAL SCIENCES, vol.121, no.1, pp.43-56, 2009 (SCI-Expanded)
- XXXV. **Synthesis Spectral Characterization and Electrochemical Investigations of Mononuclear Cu II Ni II and Co II Metal Complexes Containing Different New vic dioxime Groups**
TAS E., KARA H., DURGUN M., KILIÇ A., Yilmaz İ.
SYNTHESIS AND REACTIVITY IN INORGANIC METAL-ORGANIC AND NANO-METAL CHEMISTRY, vol.39, no.7, pp.379-387, 2009 (SCI-Expanded)
- XXXVI. **Synthesis, spectral characterization, electrochemical studies and catalytic properties in Suzuki-Miyaura coupling reactions of the mononuclear Pd(II), trinuclear Pd(II)(BPh(2))(2) and Ru(II)-**

- Pd(II)-Ru(II) type complexes containing 4-amino-1-benzyl piperidine and phenyl groups**
Kilic A., Yilmaz İ., Ulusoy M., Tas E.
APPLIED ORGANOMETALLIC CHEMISTRY, vol.22, no.9, pp.494-502, 2008 (SCI-Expanded)
- XXXVII. Synthesis, characterization, fluorescence and redox features of new vic-dioxime ligand bearing pyrene and its metal complexes**
Yilmaz İ., Kilic A., YALCINKAYA H.
CHEMICAL PAPERS, vol.62, no.4, pp.398-403, 2008 (SCI-Expanded)
- XXXVIII. Synthesis, electrochemistry, thin-layer UV-vis and fluorescence spectroelectrochemistry of a new salicylaldimine ligand and its copper complex**
Yilmaz İ.
TRANSITION METAL CHEMISTRY, vol.33, no.2, pp.259-265, 2008 (SCI-Expanded)
- XXXIX. The sterically hindered salicylaldimine ligands with their copper(II) metal complexes: Synthesis, spectroscopy, electrochemical and thin-layer spectroelectrochemical features**
Tas E., Kilic A., Konak N., Yilmaz İ.
POLYHEDRON, vol.27, no.3, pp.1024-1032, 2008 (SCI-Expanded)
- XL. Novel vic-dioxime ligands and their poly-metal complexes bearing 1,8-diamino-3,6-dioxaoctane: synthesis, characterization, spectroscopy and electrochemistry**
Kilic A., Durgun M., Tas E., Yilmaz İ.
TRANSITION METAL CHEMISTRY, vol.33, no.1, pp.29-37, 2008 (SCI-Expanded)
- XLI. Synthesis, electrochemistry and in situ spectroelectrochemistry of a new Co(III) thio Schiff-base complex with N,N'-bis(2-aminothiophenol)-1,4-bis(carboxylidene phenoxy)butane**
Yilmaz İ., Temel H., Alp H.
POLYHEDRON, vol.27, no.1, pp.125-132, 2008 (SCI-Expanded)
- XLII. In situ monitoring of metallation of metal-free phthalocyanine via UV-Vis and steady-state fluorescence techniques. Thin-layer UV-Vis and fluorescence spectroelectrochemistry of a new non-aggregating and electrochromic manganese(3+) phthalocyanine**
Yilmaz İ.
NEW JOURNAL OF CHEMISTRY, vol.32, no.1, pp.37-46, 2008 (SCI-Expanded)
- XLIII. Spectroscopic and electrochemical studies of transition metal complexes with N,N'-bis(2-aminothiophenol)-1,7-bis(2-formylphenyl)-1,4,7-trioxaheptane and structure effects on extractability of ligand towards some divalent cations**
Temel H., ALP H., ILHAN S., ZIYADANOGLULARI B., Yilmaz İ.
MONATSHEFTE FUR CHEMIE, vol.138, no.12, pp.1199-1209, 2007 (SCI-Expanded)
- XLIV. Synthesis, electrochemical and in situ spectroelectrochemical studies of new transition metal complexes with two new Schiff-bases containing N2O2/N(2)O(4)donor groups**
Kilic A., TAS E., DEVECI B., Yilmaz İ.
POLYHEDRON, vol.26, no.14, pp.4009-4018, 2007 (SCI-Expanded)
- XLV. Synthesis, structural characterization and electrochemical studies of new macrocyclic Schiff base containing pyridine head and its metal complexes**
Ilhan S., TEMEL H., Yilmaz İ., SEKERCI M.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.692, no.18, pp.3855-3865, 2007 (SCI-Expanded)
- XLVI. Synthesis, electro-spectroelectrochemical characterization and electrocatalytic behavior towards dioxygen reduction of a new water-soluble cobalt phthalocyanine containing naphthoxy-4-sulfonic acid sodium salt**
Yilmaz İ., ARSLAN S., GUNEV S., BECERIK I.
ELECTROCHIMICA ACTA, vol.52, no.24, pp.6611-6621, 2007 (SCI-Expanded)
- XLVII. A new water-soluble metal-free phthalocyanine substituted with naphthoxy-4-sulfonic acid sodium salt. Synthesis, aggregation, electrochemistry and in situ spectroelectrochemistry**
Arslan S., Yilmaz İ.
POLYHEDRON, vol.26, no.12, pp.2387-2394, 2007 (SCI-Expanded)
- XLVIII. Synthesis and characterization of new macrocyclic Schiff base derived from 2,6-diaminopyridine and**

- 1,7-bis(2-formylphenyl)-1,4,7-trioxaheptane and its Cu(II), Ni(II), Pb(II), Co(III) and La(III) complexes**
Ilhan S., TEMEL H., Yilmaz I., SEKERCI M.
POLYHEDRON, vol.26, no.12, pp.2795-2802, 2007 (SCI-Expanded)
- XLIX. Synthesis, characterization and redox properties of macrocyclic Schiff base by reaction of 2,6-diaminopyridine and 1,3-bis(2-carboxyaldehyde phenoxy) propane and its Cu-II, Ni-II, Pb-II, Co-III and La-III complexes**
Ilhan S., TEMEL H., Yilmaz I., KILIC A.
TRANSITION METAL CHEMISTRY, vol.32, no.3, pp.344-349, 2007 (SCI-Expanded)
- L. Synthesis, electrochemistry, and in situ spectroelectrochemistry of a new water-soluble zinc phthalocyanine substituted with naphthoxy-4-sulfonic acid sodium salt**
Arslan S., Yilmaz I.
TRANSITION METAL CHEMISTRY, vol.32, no.3, pp.292-298, 2007 (SCI-Expanded)
- LI. In situ monitoring of the synthesis of a pyranine-substituted phthalonitrile derivative via the steady-state fluorescence technique**
Gelir A., Yilmaz I., YILMAZ Y.
JOURNAL OF PHYSICAL CHEMISTRY B, vol.111, no.2, pp.478-484, 2007 (SCI-Expanded)
- LII. Three new vic-dioxime ligands: Synthesis, characterization, spectroscopy, and redox properties of their mononuclear nickel(II) complexes**
Kilic A., TAS E., GUMGUM B., Yilmaz I.
HETEROATOM CHEMISTRY, vol.18, no.6, pp.657-663, 2007 (SCI-Expanded)
- LIII. The synthesis, spectroscopic and voltametric studies of new metal complexes containing three different vic-dioximes**
Kilic A., TAS E., GUMGUM B., Yilmaz I.
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- LIV. Synthesis, spectroscopic and electrochemical investigations of two vic-dioximes and their mononuclear Ni(II), Cu(II) and Co(II) metal complexes containing morpholine group**
Kilic A., TAS E., GUMGUM B., Yilmaz I.
CHINESE JOURNAL OF CHEMISTRY, vol.24, no.11, pp.1599-1604, 2006 (SCI-Expanded)
- LV. Synthesis, spectral characterization and electrochemical properties of new vic-dioxime complexes bearing carboxylate**
Kilic A., Tas E., Gumgum B., Yilmaz I.
TRANSITION METAL CHEMISTRY, vol.31, no.5, pp.645-652, 2006 (SCI-Expanded)
- LVI. Synthesis of poly(methyl methacrylate)-b-polystyrene containing a crown ether unit at the junction point via combination of atom transfer radical polymerization and nitroxide mediated radical polymerization routes**
Altintas O., Yilmaz I., HIZAL G., TUNCA U.
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.44, no.10, pp.3242-3249, 2006 (SCI-Expanded)
- LVII. Coordination chemistry of nickel II copper II and cobalt II with MN4 core containing two novel vic dioximes ligands Synthesis spectroscopy and redox properties**
KILIÇ A., TAŞ E., GÜMGÜM B., Yilmaz İ.
POLISH JOURNAL OF CHEMISTRY, vol.80, no.12, pp.1967-1981, 2006 (SCI-Expanded)
- LVIII. Synthesis, electrochemical, and spectroelectrochemical properties of tetrakis(13,17-dioxa nonacosane-15-sulphanyl) phthalocyaninato zinc(II)**
Yilmaz İ., Gurek A., Ahsen V.
POLYHEDRON, vol.24, no.7, pp.791-798, 2005 (SCI-Expanded)
- LIX. Electrochemical, spectroelectrochemical, and pyridine binding properties of tetrathia macrocycle-bridged dimeric cobalt phthalocyanine**
Yilmaz I., KOCAK M.
POLYHEDRON, vol.23, no.7, pp.1279-1285, 2004 (SCI-Expanded)

- LX. **Synthesis, characterization and redox properties of a new vic-dioxime and its transition metal complexes**
Tas E. F., ULUSOY M., GULER M., Yilmaz I.
TRANSITION METAL CHEMISTRY, vol.29, no.2, pp.180-184, 2004 (SCI-Expanded)
- LXI. **4,5-Dicyano-1,2-bis(2-dimethylaminoethylsulfanyl)benzene**
Coruh U., USTABAŞ R., Yilmaz I., YAVUZ M.
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.59, 2003 (SCI-Expanded)
- LXII. **Thermodynamic study of ion-pairing effects between reduced double-decker lutetium(III) phthalocyanines and a cationic matrix**
Nakanishi T., Yilmaz I., NAKASHIMA N., KADISH K.
JOURNAL OF PHYSICAL CHEMISTRY B, vol.107, no.46, pp.12789-12796, 2003 (SCI-Expanded)
- LXIII. **Electrochemical and spectroscopic investigation of neutral oxidized and reduced double decker lutetium III phthalocyanines**
Yilmaz İ., NAKANISHI T., GÜREK A. G., KADISH K.
JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, vol.7, pp.227-238, 2003 (SCI-Expanded)
- LXIV. **A novel (E,E)-dioxime and its mono-, di- and trinuclear complexes bearing tetridentate octyl sulfanyl phenylamino substituents. Synthesis, characterization and electrochemical properties of its transition metal complexes**
Kandaz M., CORUHLU S., Yilmaz I., OZKAYA A.
TRANSITION METAL CHEMISTRY, vol.27, no.8, pp.877-883, 2002 (SCI-Expanded)
- LXV. **Synthesis, characterization, and electrochemical properties of a novel macrocyclic ligand and its transition metal complexes**
Yilmaz I., KANDAZ M., OZKAYA A., KOCA A.
MONATSHEFTE FÜR CHEMIE, vol.133, no.5, pp.609-622, 2002 (SCI-Expanded)
- LXVI. **Synthesis, spectroscopy and redox properties of a novel (E-E) vic-dioxime and its mono-, di- and trinuclear complexes bearing an 18-membered N₂O₂S₂ macrocycle**
Kandaz M., Yilmaz I., KESKIN S., KOCA A.
POLYHEDRON, vol.21, no.8, pp.825-834, 2002 (SCI-Expanded)
- LXVII. **Electrochemistry of a double-decker lutetium(III) phthalocyanine in aqueous media. The first evidence for five reductions**
Kadish K., NAKANISHI T., GUREK A., Ahsen V., Yilmaz I.
JOURNAL OF PHYSICAL CHEMISTRY B, vol.105, no.40, pp.9817-9821, 2001 (SCI-Expanded)
- LXVIII. **Synthesis and characterization of novel symmetrical phthalocyanines substituted with mono- or bi-macrocycles**
Kandaz M., Yilmaz I., BEKAROGLU O.
POLYHEDRON, vol.19, no.1, pp.115-121, 2000 (SCI-Expanded)
- LXIX. **Supramolecular assemblies of pyridyl porphyrin and diazadithia phthalocyanine**
ION R., Yilmaz İ., BEKAROĞLU Ö.
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- LXX. **Electrochemical and adsorption properties of novel phthalocyanines with four 16 membered diazadithia macrocycles**
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Metrics

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Non Academic Experience

University of Houston, Department of Chemistry