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Personal Information

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Education Information

Doctorate, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, Kimya (Dr), Turkey 1990 - 1996

Postgraduate, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), Turkey 1987 - 1989

Undergraduate, İstanbul University-Cerrahpaşa, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, Turkey 1978 - 1985

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Katkılı çimento pastalarının gözenek dağılımı ve dayanım ilişkileri, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, Kimya (Dr), 1996

Academic Titles / Tasks

Professor, Ondokuz Mayıs University, Fen-Edebiyat Fakültesi, Kimya Bölümü, 2013 - Continues

Professor, Ondokuz Mayıs University, Fen-Edebiyat Fakültesi, Kimya Bölümü, 2013 - Continues

Associate Professor, Ondokuz Mayıs University, Fen-Edebiyat Fakültesi, Kimya Bölümü, 2007 - 2013

Research Assistant, Ondokuz Mayıs University, Fen-Edebiyat Fakültesi, Kimya Bölümü, 1985 - 1998

Courses

ENDÜSTRİYEL KİMYA II, Undergraduate, 2013 - 2014

IR SPEKTROSKOPİSİ, Doctorate, 2013 - 2014

ANORGANİK KİMYA LAB., Undergraduate, 2013 - 2014

BİLİM TARİHİ, Undergraduate, 2012 - 2013

ANORGANİK KİMYA II, Undergraduate, 2012 - 2013

ANORGANİK KİMYA I, Undergraduate, 2012 - 2013

ENDÜSTRİYEL KİMYA I, Undergraduate, 2012 - 2013

KOROZYON KİMYASI, Undergraduate, 2011 - 2012

Published journal articles indexed by SCI, SSCI, and AHCI

- I. Synthesis, characterization, crystal structure, Hirshfeld surface analysis and spectroscopic

properties of bis(5-aminoisophthalato) bispicolinecopper (II)

Erdogmus G., DEMİRCİOĞLU Z., HEREN Z., Topcu Y., Buyukgungor O.

JOURNAL OF MOLECULAR STRUCTURE, vol.1206, 2020 (SCI-Expanded)

- II. **Diaquabis(5-methoxyindole-2-carboxylato)bis(3-picoline)nickel(II) Complex: Synthesis, Characterization, XRD, TGA, DFT and HSA**
Cebe D., HEREN Z., DEMİRCİOĞLU Z., Buyukgungor O.
MOLECULAR CRYSTALS AND LIQUID CRYSTALS, vol.667, no.1, pp.112-125, 2018 (SCI-Expanded)
- III. **One-pot New Barbituric Acid Derivatives Derived from the Reaction of Barbituric Acids with BrCN and Ketones**
Hosseini Y., Rastgar S., HEREN Z., Buyukgungor O., Pesyan N. N.
JOURNAL OF THE CHINESE CHEMICAL SOCIETY, vol.58, no.3, pp.309-318, 2011 (SCI-Expanded)
- IV. **Crystal structures, thermal, spectroscopic properties and DFT/TD-DFT based investigation of [M(bba)(2)(phen)] (M = Cu and Zn, bba=2-benzoylbenzoato, phen=1,10-phenanthroline)**
ÇAĞLAR S., Demir S., HEREN Z., Buyukgungor O.
POLYHEDRON, vol.30, no.8, pp.1389-1395, 2011 (SCI-Expanded)
- V. **Synthesis, crystal structures, thermal, and spectroscopic properties of four new metal(II) (M = Co, Ni, Cu, Hg) complexes of 2-benzoylbenzoate with 3-picoline**
Çağlar S., Heren Z., Buyukgungor O.
JOURNAL OF COORDINATION CHEMISTRY, vol.64, no.15, pp.2706-2717, 2011 (SCI-Expanded)
- VI. **Synthesis, Characterization, and Crystal Structures of a Novel [Zn-3(bba)(6)(3-pic)(2)] Complex (bba=2-Benzoylbenzoat, 3-pic=3-Picoline)**
ÇAĞLAR S., HEREN Z., Yildirim M. H.
SYNTHESIS AND REACTIVITY IN INORGANIC METAL-ORGANIC AND NANO-METAL CHEMISTRY, vol.41, no.8, pp.1022-1027, 2011 (SCI-Expanded)
- VII. **Synthesis, thermal and spectroscopic properties, and crystal structures of [Co(bba)(2)(H2O)(phen)] and [Ni(bba)(2)(H2O)(butOH)(phen)] (bba=2-benzoylbenzoate, phen=1,10-phenanthroline, butOH = butanol)**
ÇAĞLAR S., HEREN Z., Buyukgungor O.
JOURNAL OF COORDINATION CHEMISTRY, vol.64, no.7, pp.1289-1298, 2011 (SCI-Expanded)
- VIII. **trans-Bis(2-benzoylbenzoato-kappa O-1)bis(ethanol-kappa O)bis(1H-imidazole-kappa N-3)nickel(II)**
HEREN Z., Pasaoglu H., Yildirim M. H., Hira D.
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.65, 2009 (SCI-Expanded)
- IX. **Bis(benzimidazole-kappa N-3)bis(2-benzoylbenzoato-kappa O)copper(II)**
Yildirim M. H., HEREN Z., Pasaoglu H., Hira D., Buyukgungor O.
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.65, 2009 (SCI-Expanded)
- X. **Synthesis, Spectrothermal and Structural Characterization of Saccharinatobis(tris-hydroxymethylaminomethane)zinc(II) saccharinate Complex, [Zn(sac)(tham)(2)](sac)**
Pasaoglu H., HEREN Z., Kastas G., Akdag K.
ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES, vol.65, 2009 (SCI-Expanded)
- XI. **Synthesis, Spectroscopic and Structural Characterization Of Bis(Benzimidazole-kappa N-3) Bis(2-Benzoylbenzoato-kappa O)Copper(II)**
HEREN Z., Pasaoglu H., Yildirim M. H.
ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES, vol.65, 2009 (SCI-Expanded)
- XII. **cis-bis(butylamine-kappa N)bis[sulfa-diazine(1-)-kappa N-2,N ']copper(II) pentahydrate**
Pasaoglu H., Kastas G., HEREN Z., Buyukgungor O.
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.64, 2008 (SCI-Expanded)
- XIII. **Synthesis, spectrothermal and structural characterization of saccharinatobis(tris-hydroxymethylaminomethane)zinc(II)saccharinate complex, [Zn(sac)(tham)2](sac)**
HEREN Z., Paşaoğlu H., Kaştas G., Akdağ K.
Zeitschrift fur Anorganische und Allgemeine Chemie, vol.634, no.11, pp.1933-1936, 2008 (SCI-Expanded)
- XIV. **An EPR study of Cu(2+) ions in [Zn(picol)(2)(H2O)(2)]center dot 2H(2)O single crystals**

Karabulut B., Duezguen F., Keser C., Heren Z.

PHYSICA B-CONDENSED MATTER, vol.396, no.1-2, pp.8-11, 2007 (SCI-Expanded)

- XV. **Synthesis, spectral and thermal studies, and crystal structure of cis-bis(4-methylimidazole)bis(picolinato)copper(II) [Cu(pic)(2)(4-MeIm)(2)]**
Heren Z., Keser C., Ersanli C. C., YEŞİLEL O. Z., Ocak N.
ZEITSCHRIFT FÜR NATURFORSCHUNG SECTION B-A JOURNAL OF CHEMICAL SCIENCES, vol.61, no.10, pp.1217-1221, 2006 (SCI-Expanded)
- XVI. **Synthesis, spectral and thermal studies, and crystal structure of cis-bis(imidazole)bis(picolinato)copper(II) dihydrate [Cu(pic)(2)(im)(2)] center dot 2H(2)O**
Heren Z., Keser C., Ersanli C. C., YEŞİLEL O. Z., Buyukgungor O.
ZEITSCHRIFT FÜR NATURFORSCHUNG SECTION B-A JOURNAL OF CHEMICAL SCIENCES, vol.61, no.9, pp.1072-1078, 2006 (SCI-Expanded)
- XVII. **Synthesis, spectroscopic and structural investigation of ZnI2(nicotinamide)(2), ZnI2(isonicotinamide)(2) and [Zn(H2O)(2)(picolinamide)(2)]I-2**
Pasaoglu H., Guven S., Heren Z., Buyukgungor O.
JOURNAL OF MOLECULAR STRUCTURE, vol.794, no.1-3, pp.270-276, 2006 (SCI-Expanded)
- XVIII. **Butylammonium sulfadiazinate monohydrate**
Heren Z., Pasaoglu H., Kastan G.
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.62, 2006 (SCI-Expanded)
- XIX. **Synthesis, spectral and thermal properties, and crystal structure of bis(ethylenediamine)(aqua)copper(II) (bis)syringate ethylenediamine dihydrate [Cu(en)(2)(H2O)](sy)(2)(en)(H2O)(2)**
Heren Z., Pasaoglu H., Kastan G., Vurucu L., Buyukgungor O.
ZEITSCHRIFT FÜR NATURFORSCHUNG SECTION B-A JOURNAL OF CHEMICAL SCIENCES, vol.61, no.3, pp.287-291, 2006 (SCI-Expanded)
- XX. **The novel polymeric complex of manganese(II) with picolinic acid, [Mn(pic)(2)](n), a new coordination mode for picolinic acid**
Heren Z., Pasaoglu H., Kastan G., Keser C., YEŞİLEL O. Z., Buyukgungor O.
ZEITSCHRIFT FÜR ANORGANISCHE UND ALLGEMEINE CHEMIE, vol.632, no.8-9, pp.1578-1581, 2006 (SCI-Expanded)
- XXI. **Synthesis, spectral and thermal studies, and crystal structure of cis-bis(4-methylimidazole)bis(picolinato)copper(II) [Cu(pic)2(4-MeIm) 2]**
HEREN Z., Keser C., Ersanli C. C., YEŞİLEL O. Z., Ocak N.
Zeitschrift für Naturforschung - Section B Journal of Chemical Sciences, vol.61, no.10, pp.1217-1221, 2006 (SCI-Expanded)
- XXII. **Synthesis, spectral and thermal studies, and crystal structure of cis-bis(imidazole)bis(picolinato)copper(II) dihydrate [Cu(pic) 2(im)2]·2H2O**
HEREN Z., Keser C., Ersanli C. C., YEŞİLEL O. Z., Büyükgüngör O.
Zeitschrift für Naturforschung - Section B Journal of Chemical Sciences, vol.61, no.9, pp.1072-1078, 2006 (SCI-Expanded)
- XXIII. **Synthesis, spectral and thermal properties, and crystal structure of bis(ethylenediamine)(aqua)copper(II) (bis)syringate ethylenediamine dihydrate[Cu(en)2(H2O)](sy)2(en)(H 2O)2**
HEREN Z., Paşaoğlu H., Kaştan G., Vurucu L., Büyükgüngör O.
Zeitschrift für Naturforschung - Section B Journal of Chemical Sciences, vol.61, no.3, pp.287-291, 2006 (SCI-Expanded)
- XXIV. **Analysis of triethanolamine in trass cement pastes by voltammetric methods**
Menek N., HEREN Z.
Cement and Concrete Research, vol.30, no.10, pp.1615-1617, 2000 (SCI-Expanded)
- XXV. **Analysis of triethanolamine in white cement pastes by voltammetric methods**
Menek N., HEREN Z.
Cement and Concrete Research, vol.29, no.5, pp.777-779, 1999 (SCI-Expanded)
- XXVI. **Thermal behaviour of some azo dyes containing sterically hindered and water-soluble groups**

Kocaokutgen H., HEREN Z.

Turkish Journal of Chemistry, vol.22, no.4, pp.403-408, 1998 (SCI-Expanded)

XXVII. The influence of ethanolamines on the surface properties of Portland cement pastes

HEREN Z., Ölmez H.

Cement and Concrete Research, vol.27, no.6, pp.805-809, 1997 (SCI-Expanded)

Articles Published in Other Journals

I. The influence of ethanolamines on the hydration and mechanical properties of Portland cement

HEREN Z., Ölmez H.

Cement and Concrete Research, vol.26, no.5, pp.701-705, 1996 (Scopus)

Refereed Congress / Symposium Publications in Proceedings

I. Synthesis, Crystal Structure, Thermal and Spectroscopic Properties of New Mn (II) Complex of 5-aminoisophthalic Acid with 4-picoline

Tolan A., Özdemir A., Erdoğan G., TOPCU Y., İÇBUDAK H., HEREN Z.

International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2018), Ankara, Turkey, 26 - 27 April 2018, pp.935

II. Synthesis, thermal, spectroscopic and structural studies of lithium acesulfamate hydrate

RAKHİMBAYEVA A., HEREN Z., DEGE N., İÇBUDAK H.

4th International Turk-Pak Conference on Chemical Sciences, 26 - 28 October 2017

III. An EPR study of Cu²⁺ ions in [Zn(picol)₂(H₂O)₂]-2H₂O single crystals.

KARABULUT B., ÖZTÜRK F., KESER C., HEREN Z.

XXVIII. European Congress on Molecular Spectroscopy, İstanbul, Turkey, 03 September 2006

Supported Projects

Heren Z., Project Supported by Higher Education Institutions, 5-metoksiindol-2-karboksilik asit karışık ligantlı Zn(II) komplekslerinin sentezi, spektroskopik, kristallografik, antioksidan ve antibakteriyel özellikleri, 2019 - Continues