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Education Information

Doctorate, University of Aberdeen, United Kingdom 1989 - 1991

Postgraduate, Ondokuz Mayıs University, Institute Of Science, Kimya (YI) (Tezli), Turkey 1985 - 1987

Undergraduate, Karadeniz Technical University, Fen-Edebiyat Fakültesi, Kimya Bölümü, Turkey 1978 - 1982

Foreign Languages

English, C1 Advanced

Research Areas

Bioinorganic Chemistry, Transition Metals, Inorganic Polymers, Coordination Chemistry, Organometallic Chemistry

Academic Titles / Tasks

Professor, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, KİMYA, 2007 - Continues

Professor, Ondokuz Mayıs University, Faculty Of Arts And Sciences, Department Of Chemistry, 1999 - 2007

Associate Professor, Ondokuz Mayıs University, Faculty Of Arts And Sciences, Department Of Chemistry, 1993 - 1999

Assistant Professor, Ondokuz Mayıs University, Faculty Of Arts And Sciences, Department Of Chemistry, 1991 - 1993

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Novel 5-fluorouracil complexes of Zn(II) with pyridine-based ligands as potential anticancer agents**
İÇSEL YILMAZ C., YILMAZ V. T., AYGÜN M., Erkisa M., ULUKAYA E.
DALTON TRANSACTIONS, vol.51, pp.5208-5217, 2022 (SCI-Expanded)
- II. **Palladium (II) complex and thalidomide intercept angiogenic signaling via targeting FAK/Src and Erk/Akt/PLC gamma dependent autophagy pathways in human umbilical vein endothelial cells**
Aydinlik S., Uvez A., KIYAN H. T., Gurel-Gurevin E., YILMAZ V. T., ULUKAYA E., Armutak E. I.
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- III. **Preparation and Characterization of Palladium Derivate-Loaded Micelle Formulation in Vitro as an Innovative Therapy Option against Non-Small Cell Lung Cancer Cells**
Erkisa M., Ari F., Büyükköroğlu G., Şenel B., Yılmaz V. T., Ulukaya E.
CHEMISTRY & BIODIVERSITY, vol.18, no.9, 2021 (SCI-Expanded)
- IV. **Combination of Histone Deacetylase Inhibitor with Cu(II) 5,5-diethylbarbiturate Complex Induces Apoptosis in Breast Cancer Stem Cells: A Promising Novel Approach**
Erkisa M., Erkisa M., Aztopal N., Aztopal N., Ertürk E., Erturk E., Ulukaya E., Ulukaya E., Yılmaz V. T., Yılmaz V. T., et al.
ANTI-CANCER AGENTS IN MEDICINAL CHEMISTRY, vol.21, no.14, pp.1850-1860, 2021 (SCI-Expanded)
- V. **New manganese(II), iron(II), cobalt(II), nickel(II) and copper(II) saccharinate complexes of 2,6-bis(2-benzimidazolyl)pyridine as potential anticancer agents**
İÇSEL C., YILMAZ V. T., Aydinlik S., AYGÜN M.
EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, vol.202, 2020 (SCI-Expanded)
- VI. **A promising therapeutic combination for metastatic prostate cancer: Chloroquine as autophagy inhibitor and palladium(II) barbiturate complex**
Erkisa M., Aydinlik S., Cevatemre B., Aztopal N., Akar R., Celikler S., Yılmaz V. T., Ari F., Ulukaya E.
BIOCHIMIE, vol.175, pp.159-172, 2020 (SCI-Expanded)
- VII. **Zn(ii), Cd(ii) and Hg(ii) saccharinate complexes with 2,6-bis(2-benzimidazolyl)pyridine as promising anticancer agents in breast and lung cancer cell lines via ROS-induced apoptosis**
İÇSEL C., YILMAZ V. T., Aydinlik S., AYGÜN M.
DALTON TRANSACTIONS, vol.49, no.23, pp.7842-7851, 2020 (SCI-Expanded)
- VIII. **Trans-Pd/Pt(II) saccharinate complexes with a phosphine ligand: Synthesis, cytotoxicity and structure-activity relationship**
İÇSEL C., YILMAZ V. T., AYGÜN M., Ulukaya E.
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- IX. **Cytotoxic platinum(II) complexes derived from saccharinate and phosphine ligands: synthesis, structures, DNA cleavage, and oxidative stress-induced apoptosis**
İÇSEL C., YILMAZ V. T., Cevatemre B., AYGÜN M., Ulukaya E.
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- X. **Synthesis, structures and catalytic activity of Pd(II) saccharinate complexes with monophosphines in direct arylation of five-membered heteroarenes with aryl bromides**
YILMAZ V. T., İÇSEL C., Turgut O. R., AYGÜN M., Evren E., ÖZDEMİR İ.
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- XI. **Structures and anticancer activity of chlorido platinum(II) saccharinate complexes with mono- and dialkylphenylphosphines**
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- XII. **Unfolded Protein Response is Involved in Trans-Platinum (II) Complex-Induced Apoptosis in Prostate Cancer Cells via ROS Accumulation**
KARAKAŞ D., Cevatemre B., ORAL A., YILMAZ V. T., Ulukaya E.
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- XIII. **Pd(II) and Pt(II) saccharinate complexes of bis(diphenylphosphino) propane/butane: Synthesis, structure, antiproliferative activity and mechanism of action**
YILMAZ V. T., İÇSEL C., AYGÜN M., Erkisa M., Ulukaya E.
EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, vol.158, pp.534-547, 2018 (SCI-Expanded)
- XIV. **Palladium(II) and platinum(II) saccharinate complexes with bis(diphenylphosphino)methane/ethane: synthesis, S-phase arrest and ROS-mediated apoptosis in human colon cancer cells**
İÇSEL C., YILMAZ V. T., AYGÜN M., Cevatemre B., Alper P., Ulukaya E.
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- XV. **Synthesis, structures and anticancer potentials of platinum(II) saccharinate complexes of tertiary phosphines with phenyl and cyclohexyl groups targeting mitochondria and DNA**

- YILMAZ V. T., İÇSEL C., Turgut O. R., AYGÜN M., Erkisa M., TÜRKDEMİR M. H., Ulukaya E.
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- XVI. **Structures and biochemical evaluation of silver(I) 5,5-diethylbarbiturate complexes with bis(diphenylphosphino)alkanes as potential antimicrobial and anticancer agents**
YILMAZ V. T., İÇSEL C., Batur J., Aydinlik S., Sahinturk P., AYGÜN M.
EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, vol.139, pp.901-916, 2017 (SCI-Expanded)
- XVII. **A palladium(II)-saccharinate complex of terpyridine exerts higher anticancer potency and less toxicity than cisplatin in a mouse allograft model**
Cetin Y., Adiguzel Z., Polat H. U., Akkoc T., Tas A., Cevatemre B., Celik G., Carikci B., YILMAZ V. T., Ulukaya E., et al.
ANTI-CANCER DRUGS, vol.28, no.8, pp.898-910, 2017 (SCI-Expanded)
- XVIII. **Synthesis, structures, DNA/protein binding, molecular docking, anticancer activity and ROS generation of Ni(II), Cu(II) and Zn(II) 5,5-diethylbarbiturate complexes with bis(2-pyridylmethyl) amine and terpyridine**
YILMAZ V. T., İÇSEL C., Suyunova F., AYGÜN M., Cevatemre B., Ulukaya E.
NEW JOURNAL OF CHEMISTRY, vol.41, no.16, pp.8092-8106, 2017 (SCI-Expanded)
- XIX. **Synthesis, structures and biomolecular interactions of new silver(I) 5,5-diethylbarbiturate complexes of monophosphines targeting Gram-positive bacteria and breast cancer cells**
YILMAZ V. T., İÇSEL C., Batur J., Aydinlik S., CENGİZ M., BÜYÜKGÜNGÖR O.
DALTON TRANSACTIONS, vol.46, no.25, pp.8110-8124, 2017 (SCI-Expanded)
- XX. **The role of cell cycle progression for the apoptosis of cancer cells induced by palladium(II)-saccharinate complexes of terpyridine**
Kacar O., Cevatemre B., Hatipoglu I., ARDA E. Ş. N., Ulukaya E., YILMAZ V. T., Acilan C.
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- XXI. **Cytotoxic and apoptotic effects of the combination of palladium (II) 5,5-diethylbarbiturate complex with bis(2-pyridylmethyl)amine and curcumin on non small lung cancer cell lines**
Tunc D., DERE E., Karakas D., Cevatemre B., YILMAZ V. T., Ulukaya E.
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- XXII. **Anti-angiogenic effect of a Palladium(II)-Saccharinate Complex of Terpyridine in vitro and in vivo**
Ikitimur-Armutak E. I., Gurel-Gurevin E., KIYAN H. T., Aydinlik S., YILMAZ V. T., Dimas K., Ulukaya E.
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- XXIII. **Preparation of a Novel Nano-scale Lead (II) Zig-Zag Metal-Organic Coordination Polymer with Ultrasonic Assistance: Synthesis, Crystal Structure, Thermal Properties, and NBO Analysis of [Pb(μ -2-pinh)N-3 H₂O](n)**
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- XXIV. **Apoptosis-inducing Effect of a Palladium(II) Complex-[PdCl(terpy)](sac)center dot 2H₂O] on Ehrlich Ascites Carcinoma (EAC) in Mice**
Ikitimur-Armutak E. I., Ulukaya E., Gurel-Gurevin E., Yaylim I., Isbilen-Basok B., ŞENNAZLI G., Yuzbasioglu-Ozturk G., SÖNMEZ K., Celik F., Kucukhuseyin O., et al.
IN VIVO, vol.30, no.4, pp.457-464, 2016 (SCI-Expanded)
- XXV. **Synthesis, characterization and structures of solvent-mediated Na(I)-Pd(II) heterometallic complexes containing [Pd(barb)(4)](2-) units (barb=5,5-diethylbarbiturate)**
İÇSEL C., YILMAZ V. T., BÜYÜKGÜNGÖR O.
JOURNAL OF COORDINATION CHEMISTRY, vol.69, no.15, pp.2272-2280, 2016 (SCI-Expanded)
- XXVI. **Ni(II)/Cu(II)/Zn(II) 5,5-diethylbarbiturate complexes with 1,10-phenanthroline and 2,2'-dipyridylamine: synthesis, structures, DNA/BSA binding, nuclease activity, molecular docking, cellular uptake, cytotoxicity and the mode of cell death**
YILMAZ V. T., İÇSEL C., Suyunova F., AYGÜN M., Aztopal N., Ulukaya E.
DALTON TRANSACTIONS, vol.45, no.25, pp.10466-10479, 2016 (SCI-Expanded)
- XXVII. **Synthesis, Spectroscopic, Structural and Quantum Chemical Studies of a New Imine Oxime and Its**

Palladium(II) Complex: Hydrolysis Mechanism

Kaya Y., YILMAZ V. T., BÜYÜKGÜNGÖR O.

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- XXVIII. **Cationic Pd(II)/Pt(II) 5,5-diethylbarbiturate complexes with bis(2-pyridylmethyl)amine and terpyridine: Synthesis, structures, DNA/BSA interactions, intracellular distribution, cytotoxic activity and induction of apoptosis**
İÇSEL C., YILMAZ V. T., Kaya Y., Durmus S., SARIMAHMUT M., BÜYÜKGÜNGÖR O., Ulukaya E.
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- XXIX. **Structural, spectroscopic and quantum chemical studies of acetyl hydrazone oxime and its palladium(II) and platinum(II) complexes**
Kaya Y., İÇSEL C., YILMAZ V. T., BÜYÜKGÜNGÖR O.
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- XXX. **Addition of niclosamide to palladium(II) saccharinate complex of terpyridine results in enhanced cytotoxic activity inducing apoptosis on cancer stem cells of breast cancer**
Karakas D., Cevatemre B., Aztopal N., ARI F., YILMAZ V. T., Ulukaya E.
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- XXXI. **Anti-growth effect of a novel trans-dichloridobis[2-(2-hydroxyethyl)pyridine] platinum (II) complex via induction of apoptosis on breast cancer cell lines**
ORAL A. Y., Cevatemre B., SARIMAHMUT M., İÇSEL C., YILMAZ V. T., Ulukaya E.
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- XXXII. **Anticancer Effect of a Novel Palladium-Saccharinate Complex of Terpyridine by Inducing Apoptosis on Ehrlich Ascites Carcinoma (EAC) in Balb-C Mice**
İkitimur-Armutak E. I., SÖNMEZ K., AKGÜN DAR K., ŞENNAZLI G., KAPUCU A., Yigit F., YILMAZ V. T., Ulukaya E.
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- XXXIII. **Cytotoxic activity of novel palladium-based compounds on leukemia cell lines**
Antunovic M., Kriznik B., Ulukaya E., YILMAZ V. T., Mihalic K. C., Madunic J., Marijanovic I.
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- XXXIV. **New palladium(II) and platinum(II) 5,5-diethylbarbiturate complexes with 2-phenylpyridine, 2,2'-bipyridine and 2,2'-dipyridylamine: synthesis, structures, DNA binding, molecular docking, cellular uptake, antioxidant activity and cytotoxicity**
İÇSEL C., YILMAZ V. T., Kaya Y., ŞAMLI H., Harrison W. T. A., BÜYÜKGÜNGÖR O.
DALTON TRANSACTIONS, vol.44, no.15, pp.6880-6895, 2015 (SCI-Expanded)
- XXXV. **Coordination complexes and polymers from the initial application of phenyl-2-pyridyl ketone azine in mercury chemistry**
Khandar A. A., Ghosh B. K., Lampropoulos C., Gargari M. S., YILMAZ V. T., Bhar K., Hosseini-Yazdi S. A., Cain J. M., Mahmoudi G.
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- XXXVI. **BIS(N,N'-BIS(2-HYDROXYETHYL)ETHYLENEDIAMINE)NICKEL(II) SACCHARINATE: SYNTHESIS, CHARACTERIZATION AND CRYSTAL STRUCTURE**
Karadogan A., KARADAĞ A., YILMAZ V. T.
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- XXXVII. **Synthesis and crystal structures of new di- and polynuclear silver(I) saccharinate complexes with tertiary monophosphanes**
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- XXXVIII. **A combined experimental and theoretical investigation of a new imineoxime and its palladium(II) and platinum(II) complexes: Synthesis, structural characterization and spectroscopic properties**
Kaya Y., İÇSEL C., YILMAZ V. T., BÜYÜKGÜNGÖR O.
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- XXXIX. **Preparation of PbS and PbO nanopowders from new Pb(II)(saccharine) coordination polymers**
Aslani A., Musevi S. J., ŞAHİN E., YILMAZ V. T.
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- XL. **Biochemical and Proteomic Analysis of a Potential Anticancer Agent: Palladium(II) Saccharinate Complex of Terpyridine Acting through Double Strand Break Formation**
Adiguzel Z., BAYKAL A. T., Kacar O., YILMAZ V. T., Ulukaya E., Acilan C.
JOURNAL OF PROTEOME RESEARCH, vol.13, no.11, pp.5240-5249, 2014 (SCI-Expanded)
- XLI. **PALLADIUM (II)-SACCHARINATE COMPLEX OF TERPYRIDINE SEEMS TO BE A PROMISING NOVEL COMPOUND FOR THE TREATMENT OF LUNG CANCER IN VITRO**
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- XLII. **Apoptosis-inducing effect of a palladium(II) saccharinate complex of terpyridine on human breast cancer cells in vitro and in vivo**
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- XLIII. **Holodirected coordination sphere around lead(II) in three-dimensional polymeric structure; New precursor for preparation of lead oxide sulfate nano-structures**
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- XLIV. **Sonochemical syntheses of two nano-sized lead(II) metal-organic frameworks; application for catalysis and preparation of lead(II) oxide nanoparticles**
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- XLV. **Coordination versatility of 2,2'-(ethylenedioxy)bis(ethylamine) in new mono- and polynuclear metal(II) complexes of saccharinate: Synthesis, characterization and crystal structures**
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- XLVI. **Breast cancer stem cells are more resistant than parental cells to a novel palladium (II) saccharinate complex**
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- XLVII. **Synthesis, crystal structures, in vitro DNA binding, antibacterial and cytotoxic activities of new di- and polynuclear silver(I) saccharinate complexes with tertiary monophosphanes**
YILMAZ V. T., Gocmen E., İÇSEL C., CENGİZ M., YILMAZ SÜSLÜER S., BÜYÜKGÜNGÖR O.
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- XLVIII. **Palladium(II) and platinum(II) complexes of a new imineoxime ligand - Structural, spectroscopic and DFT/time-dependent (TD) DFT studies**
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- XLIX. **Theoretical study of hydrolysis of an imine oxime in aqueous solution and crystal structure and spectroscopic characterization of a platinum(II) complex containing the hydrolysis product**
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- LII. **Evaluation of the molecular mechanisms of a palladium(II) saccharinate complex with terpyridine as an anticancer agent**
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- LIII. **Synthesis, structural characterization and cell death-inducing effect of novel palladium(II) and platinum(II) saccharinate complexes with 2-(hydroxymethyl)pyridine and 2-(2-hydroxyethyl)pyridine on cancer cells in vitro**
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- LIV. **Promising anti-growth effects of palladium(II) saccharinate complex of terpyridine by inducing apoptosis on transformed fibroblasts in vitro**
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- LV. **Palladium(II) saccharinate complexes with bis(2-pyridylmethyl) amine induce cell death by apoptosis in human breast cancer cells in vitro**
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- LVII. **A palladium(II) complex containing both carbonyl and imine oxime ligands: Crystal structure, experimental and theoretical UV-vis, IR and NMR studies**
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- LVIII. **DNA Binding and Cleavage Studies of Two Palladium(II) Saccharinate Complexes with Terpyridine**
İÇSEL C., YILMAZ V. T.
DNA AND CELL BIOLOGY, vol.32, no.4, pp.165-172, 2013 (SCI-Expanded)
- LIX. **Synthesis, crystal structures, DNA binding and cytotoxicity of two novel platinum(II) complexes containing 2-(hydroxymethyl)pyridine and pyridine-2-carboxylate ligands**
İÇSEL C., YILMAZ V. T., Gölcü A., Ulukaya E., BÜYÜKGÜNGÖR O.
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- LX. **trans-Dichloridopalladium(II) and platinum(II) complexes with 2-(hydroxymethyl)pyridine and 2-(2-hydroxyethyl)pyridine: Synthesis, structural characterization, DNA binding and in vitro cytotoxicity studies**
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- LXI. **Syntheses, studies and crystal structures of coordination polymers and dinuclear complexes of mercury(II) halides and thiocyanate with a symmetrical Schiff base ligand**
Khandar A. A., YILMAZ V. T., Costantino F., Gumus S., Hosseini-Yazdi S. A., Mahmoudi G.
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- LXII. **Vibrational analyses of 1,3-dibenzoyl-4,5-dihydro-1H-imidazole-2-thione and 1,3-dibenzoyl tetrahydropyrimidine-2(1H)-thione by normal coordinate treatment**
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- LXIV. **Anti-cancer activity of a novel palladium(II) complex on human breast cancer cells in vitro and in vivo**
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Gumus S., Guney S., YILMAZ V. T., Kazak C.

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- CXXXII. **Synthesis, crystal structure, spectroscopic and thermal properties of trans-[Ni(sac)(2)(aeppz)(2)] [sac =accharinate and aeppz N-(2-aminoethyl)piperazine]**

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SOLID STATE SCIENCES, vol.7, no.10, pp.1247-1255, 2005 (SCI-Expanded)

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Hamamci S., YILMAZ V. T., Harrison W.

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- CXXXV. **A second polymorph of 2-aminopyridinium dihydrogenphosphate**

DEMİR S., YILMAZ V. T., Harrison W.

ACTA CRYSTALLOGRAPHICA SECTION C-STRUCTURAL CHEMISTRY, vol.61, 2005 (SCI-Expanded)

- CXXXVI. **A chiral coordination polymer of silver(I) with saccharinate and pyridine: Synthesis, spectral, thermal, and structural characterization of [Ag(sac)(py)](n)**

Hamamci S., YILMAZ V. T., Harrison W.

STRUCTURAL CHEMISTRY, vol.16, no.4, pp.379-383, 2005 (SCI-Expanded)

- CXXXVII. **C-H center dot center dot center dot O, C-H center dot center dot center dot pi and pi-pi interactions**

in three benzofuran-2-yl ketone derivatives

YILMAZ V. T., Kazak C., Kirilmis C., Koca M., Heinemann F.

ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS, vol.61, 2005 (SCI-Expanded)

- CXXXVIII. **A new one-dimensional coordination polymer of silver(I) with bridging 2-(2-aminoethyl)pyridine and nitrate ligands: $[\text{Ag}-2(\mu\text{-NO}_3)(2)(\mu\text{-aepy})(2)](n)$**

Senel E., YILMAZ V. T., Harrison W.

ZEITSCHRIFT FÜR NATURFORSCHUNG SECTION B-A JOURNAL OF CHEMICAL SCIENCES, vol.60, no.6, pp.659-662, 2005 (SCI-Expanded)

- CXXXIX. **1,3-Dibenzoylimidazolidine-2-thione and 1,3-dibenzoyl-3,4,5,6-tetrahydropyrimidine-2(1H)-thione**
Kazak C., YILMAZ V. T., Servi S., Koca M., Heinemann F.

ACTA CRYSTALLOGRAPHICA SECTION C-STRUCTURAL CHEMISTRY, vol.61, 2005 (SCI-Expanded)

- CXL. **Silver(I)-saccharin coordination polymers with 2-pyridylmethanol and 2,6-pyridinedimethanol. Synthetic, spectroscopic, thermal and structural studies of $[\text{Ag}(\text{sac})(\mu\text{-mpy})](n)$ and $[\text{Ag}(\mu\text{-sac})(\text{dmpy})](n)$**

Hamamci S., YILMAZ V. T., Harrison W., Thone C.

SOLID STATE SCIENCES, vol.7, no.4, pp.423-429, 2005 (SCI-Expanded)

- CXLI. **trans-bis(saccharinato)zinc and -cadmium complexes with N-(2-aminoethyl)piperazine: Synthesis, crystal structures and IR spectra**

YILMAZ V. T., Guney S., Harrison W.

ZEITSCHRIFT FÜR NATURFORSCHUNG SECTION B-A JOURNAL OF CHEMICAL SCIENCES, vol.60, no.4, pp.403-407, 2005 (SCI-Expanded)

- CXLII. **Bis(saccharinato)copper(II) complexes with 2-aminomethylpyridine and 2-aminoethylpyridine: Syntheses, crystal structures, spectral and thermal characterizations of trans- $[\text{Cu}(\text{sac})(2)(\text{ampy})(2)]$ and $[\text{Cu}(\text{sac})(2)(\text{aepy})(\text{H}_2\text{O})](\text{ampy}=2\text{-aminomethylpyridine and aepy}=2\text{-aminoethylpyridine})$**

YILMAZ V. T., Caglar S., Harrison W.

JOURNAL OF COORDINATION CHEMISTRY, vol.58, no.6, pp.549-558, 2005 (SCI-Expanded)

- CXLIII. **Di- and tetranuclear silver (I)-saccharinate complexes with 2-pyridineethanol and 2-pyridinepropanol: Syntheses, crystal structures, spectroscopic and thermal analyses of $[\text{Ag}-2(\text{sac})(2)(\text{pyet})(2)]$ and $[\text{Ag}-4(\text{sac})(4)(\text{pypr})(2)]$**

YILMAZ V. T., Hamamci S., Harrison W., Thone C.

POLYHEDRON, vol.24, no.5, pp.693-699, 2005 (SCI-Expanded)

- CXLIV. **The first tris(saccharinato) complexes. Syntheses, spectral, thermal and structural characterization of $\text{ApyH}[\text{Cu}(\text{N-sac})(2)(\text{O-sac})(\text{H}_2\text{O})(2)]$ and $\text{ApyH}[\text{Zn}(\text{N-sac})(3)-(\text{H}_2\text{O})]$ ($\text{ApyH}=2\text{-aminopyridinium}$ and $\text{sac} = \text{saccharinate}$)**

Yilmaz V. T., YILMAZ F., Kazak C.

TRANSITION METAL CHEMISTRY, vol.30, no.1, pp.95-102, 2005 (SCI-Expanded)

- CXLV. **Three 1,2,4-triazole derivatives containing substituted benzyl and benzylamino groups**

YILMAZ V. T., Kazak C., Agar E., Kahveci B., Guven K.

ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS, vol.61, 2005 (SCI-Expanded)

- CXLVI. **Two-dimensional holo- and hemidirected lead(II) coordination polymers: Synthetic, spectroscopic, thermal, and structural studies of $[\text{Pb}(\mu\text{-SCN})(2)(\mu\text{-ebp})(1.5)](n)$ and $[\{\text{Pb}(\mu\text{-OAc})(\mu\text{-ebp})(\text{ClO}_4)\}](n)$ ($\text{ebp}=4,4' \text{ -}[(1\text{E})\text{-ethane-1,2-diyl}] \text{bis}[\text{pyridine}]; \text{OAc} = \text{acetato}$)**

Morsali A., YILMAZ V. T., Kazak C., Zhu L.

HELVETICA CHIMICA ACTA, vol.88, no.9, pp.2513-2522, 2005 (SCI-Expanded)

- CXLVII. **$[\text{Hg}-2(\mu\text{-bpe})(\mu\text{-OAc})(2)(\mu\text{-SCN})(2)]$, a new two-dimensional coordination polymer involving three simultaneously bridging ligands: 1,2-bis(4-pyridyl)ethene, acetate, and thiocyanate**

Morsali A., YILMAZ V. T., Kazak C.

ZEITSCHRIFT FÜR ANORGANISCHE UND ALLGEMEINE CHEMIE, vol.631, no.9, pp.1577-1579, 2005 (SCI-Expanded)

- CXLVIII. **Silver(I) saccharinato complexes with ethylenediamine and N,N-dimethylethylenediamine - $[\text{Ag}-2(\text{sac})(2)(\text{en})(\text{H}_2\text{O})](n)$ and $[\text{Ag}-2(\text{sac})(2)(\text{dmen})(2)]$**

YILMAZ V. T., Hamamci S., Kazak C.

ZEITSCHRIFT FUR ANORGANISCHE UND ALLGEMEINE CHEMIE, vol.631, no.10, pp.1961-1965, 2005 (SCI-Expanded)

- CXLIX. **Bis-(5,5'-diethylbarbiturato) copper(II) and cadmium(II) complexes with ethylenediamine. Synthesis, crystal structures, spectroscopic and thermal characterization of cis-[Cu(barb)(2)(en)] and {[Cd(barb)(2)(mu-en)]center dot 2H(2)O}(n)**

YILMAZ F., Yilmaz V. T., Kazak C.

ZEITSCHRIFT FUR ANORGANISCHE UND ALLGEMEINE CHEMIE, vol.631, no.8, pp.1536-1540, 2005 (SCI-Expanded)

- CL. **Synthesis, IR spectra, thermal analysis and crystal structure of a one-dimensional coordination polymer containing both three- and four-coordinate silver(I) centers bridged by both saccharinate and N-(2-hydroxyethyl)piperazine ligands**

Hamamci S., YILMAZ V. T., Harrison W.

JOURNAL OF MOLECULAR STRUCTURE, vol.734, pp.191-195, 2005 (SCI-Expanded)

- CLI. **Crystal and molecular structure of 3-phenyl-4-(p-chlorobenzylamino)-4,5-dihydro-1-H-1,2,4-triazol-5-on**

YILMAZ V. T., Agar E., Guven K., Kahveci B., ŞAŞMAZ S.

CRYSTAL RESEARCH AND TECHNOLOGY, vol.39, no.9, pp.811-814, 2004 (SCI-Expanded)

- CLII. **Bis(saccharinato)nickel(II) complexes with 2-aminomethyl and -ethylpyridines. Syntheses, crystal structures, spectral and thermal analyses of trans-[Ni(sac-N)(2)(ampy-N,N')(2)] and trans-[Ni(sac-O)(2)(aepy-N,N')(2)]**

YILMAZ V. T., Caglar S., Harrison W.

TRANSITION METAL CHEMISTRY, vol.29, no.5, pp.477-482, 2004 (SCI-Expanded)

- CLIII. **Copper(II)-malonato coordination frameworks with ethanolammonium cations. Synthesis, spectral, thermal and structural characterization of trans-[Cu(mal)(2)(meaH)(2)] and {(deaH)(2)[Cu(mu-mal)(2)]center dot H2O}(infinity) (meaH = monoethanolammonium, deaH = diethanolammonium and mal = malonate)**

YILMAZ V. T., Senel E., Kazak C.

SOLID STATE SCIENCES, vol.6, no.8, pp.859-866, 2004 (SCI-Expanded)

- CLIV. **1-n-Butyl-2-(4'-fluorophenyl)-1H-benzimidazole-6-carbonitrile**

Kazak C., YILMAZ V. T., Goker H., Kus C.

ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.60, 2004 (SCI-Expanded)

- CLV. **trans-bis(ethylenediamine)bis(p-nitrobenzoxasulfamato)copper(II)**

Kazak C., YILMAZ V. T., Yazicilar T.

ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.60, 2004 (SCI-Expanded)

- CLVI. **trans-Tetraaquabis(p-nitrobenzoxasulfamato)cobalt(II)**

Kazak C., Yazicilar T., YILMAZ V. T.

ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.60, 2004 (SCI-Expanded)

- CLVII. **Synthesis, spectral, thermal and structural characterization of {[Cu(H2O)(3)][Cu(MAL)(2)]center dot 2H(2)O}(infinity) and [Cu(MAL)(TEA)]center dot H2O (MAL = malonate and TEA = triethanolamine)**

YILMAZ V. T., Senel E., Thone C.

TRANSITION METAL CHEMISTRY, vol.29, no.3, pp.336-342, 2004 (SCI-Expanded)

- CLVIII. **Transition metal complexes of acetamidomalondihydroxamate: Synthesis, spectral, thermal and electrochemical studies**

YILMAZ F., Yilmaz V. T., Topcu S.

JOURNAL OF COORDINATION CHEMISTRY, vol.57, no.6, pp.525-534, 2004 (SCI-Expanded)

- CLIX. **Cobalt(II) complexes of 2-methanol-, 2,6-dimethanol- and 2-ethanolpyridines: syntheses, spectroscopic, thermal and structural characterizations of [Co-2(mu-Cl)(2)(mpy)(4)]Cl-2 center dot 2H(2)O, [Co(dmpy)(2)]Cl-2 and [Co(Cl)(4)](Hpyet)(2) (mpy=2-methanolpyridine; dmpy=2,6-dimethanolpyridine and Hpyet=2-ethanolpyridinium)**

- YILMAZ V. T., Hamamci S., Thone C.
POLYHEDRON, vol.23, no.5, pp.841-848, 2004 (SCI-Expanded)
- CLX. **Chlorobis[2-(2-pyridyl)ethanol]copper(II) chloride**
Hamamci S., YILMAZ V. T., Thone C.
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.60, 2004 (SCI-Expanded)
- CLXI. **Bis(saccharinato-kappa N)zinc(II) complexes with N,N'-bidentate 2-aminomethylpyridine and 2-aminoethylpyridine**
YILMAZ V. T., Caglar S., Harrison W.
ACTA CRYSTALLOGRAPHICA SECTION C-STRUCTURAL CHEMISTRY, vol.60, 2004 (SCI-Expanded)
- CLXII. **Synthesis, IR spectra, thermal analysis and crystal structures of bis(saccharinato)mercury(II) complexes with 2-aminomethylpyridine and 2-aminoethylpyridine**
YILMAZ V. T., Caglar S., Harrison W.
ZEITSCHRIFT FUR ANORGANISCHE UND ALLGEMEINE CHEMIE, vol.630, no.10, pp.1512-1516, 2004 (SCI-Expanded)
- CLXIII. **cis-diapauabis[2-(hydroxymethyl)pyridine]-nickel(II) dichloride**
Hamamci S., YILMAZ V. T., Thone C.
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.60, 2004 (SCI-Expanded)
- CLXIV. **Trans-bis(saccharinato)cadmium(II) complexes with 2-aminomethylpyridine and 2-aminoethylpyridine - Synthesis, crystal structures, spectral and thermal characterization of trans-[Cd(sac)(2)(ampy)(2)] and trans-[Cd(sac)(2)(aepy)(2)]**
YILMAZ V. T., Caglar S., Harrison W.
ZEITSCHRIFT FUR ANORGANISCHE UND ALLGEMEINE CHEMIE, vol.630, no.7, pp.1126-1130, 2004 (SCI-Expanded)
- CLXV. **A one-dimensional lead(II) coordination polymer with bridging saccharinate and 2-aminomethylpyridine ligands: Synthesis, IR spectra, and crystal structure of [Pb(ampy)(mu-sac)(2)](n)**
YILMAZ V. T., Caglar S., Harrison W.
ZEITSCHRIFT FUR ANORGANISCHE UND ALLGEMEINE CHEMIE, vol.630, no.6, pp.948-951, 2004 (SCI-Expanded)
- CLXVI. **Synthesis, crystal structure, IR spectra and thermal analysis of Na[Ag(sac)(2)] (sac = saccharinate)**
YILMAZ V. T., Hamamci S., Thone C.
ZEITSCHRIFT FUR ANORGANISCHE UND ALLGEMEINE CHEMIE, vol.630, no.11, pp.1641-1644, 2004 (SCI-Expanded)
- CLXVII. **Synthesis, spectra, thermal analysis and crystal structure of a mononuclear oxalato-copper(II) complex with monoethanolamine, [Cu(mea)(2)(ox)]**
YILMAZ V. T., Senel E., Thone C.
JOURNAL OF COORDINATION CHEMISTRY, vol.56, no.16, pp.1417-1423, 2003 (SCI-Expanded)
- CLXVIII. **The first calcium(II) complex with the saccharinate ligand: Synthesis, crystal structure, spectral and thermal characterization of trans-diaquabis[(2-hydroxyethyl)pyridinium]bis(saccharinato)calcium(II) disaccharinate, [Ca(sac)(2)(H2O)2(Hpyet)(2)](sac)(2)**
YILMAZ V. T., Kazak C., Hamamci S.
ZEITSCHRIFT FUR ANORGANISCHE UND ALLGEMEINE CHEMIE, vol.629, no.11, pp.2013-2017, 2003 (SCI-Expanded)
- CLXIX. **Mono- and binuclear copper(II) complexes of saccharin with 2-pyridinepropanol synthesis, spectral, thermal and structural characterization**
YILMAZ V. T., Hamamci S., Andac O., Thone C., Harrison W.
TRANSITION METAL CHEMISTRY, vol.28, no.6, pp.676-681, 2003 (SCI-Expanded)
- CLXX. **An eight-coordinate strontium complex with two tetradentate triethanolamine ligands: synthesis, IR spectra, thermal analysis and crystal structure of bis(triethanolamine)strontium(II) saccharinate**
Kazak C., Hamamci S., Topcu Y., YILMAZ V. T.
JOURNAL OF MOLECULAR STRUCTURE, vol.657, pp.351-356, 2003 (SCI-Expanded)

- CLXXI. **Synthesis, spectra, thermal analysis and crystal structure of trans-bis(2-pyridinepropanol)bis(saccharinato)cobalt(II)**
Hamamci S., YILMAZ V. T., Harrison W.
JOURNAL OF COORDINATION CHEMISTRY, vol.56, no.12, pp.1033-1039, 2003 (SCI-Expanded)
- CLXXII. **Syntheses, spectral, thermal and electrochemical studies of 3-carboxylacetonehydroxamic acid and its iron(II), cobalt(II), nickel(II), copper(II) and zinc(II) complexes**
YILMAZ F., Yilmaz V. T., Topcu S., Menek N.
JOURNAL OF COORDINATION CHEMISTRY, vol.56, no.10, pp.903-911, 2003 (SCI-Expanded)
- CLXXIII. **Triethanolammonium dihydrogenphosphate**
DEMİR S., YILMAZ V. T., Harrison W.
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.59, 2003 (SCI-Expanded)
- CLXXIV. **2-(hydroxymethyl)pyridinium dihydrogenphosphate**
DEMİR S., YILMAZ V. T., Harrison W.
ACTA CRYSTALLOGRAPHICA SECTION C-STRUCTURAL CHEMISTRY, vol.59, 2003 (SCI-Expanded)
- CLXXV. **Synthesis, spectra and crystal structure of 2-([3-(methyl {3-[(2-hydroxybenzylidene)amino]propyl}amino)propyl]imino)methyl)phenol copper(II) complex**
YILMAZ V. T., Degirmencioglu I., Andac O., Karabocek S., Slawin A.
JOURNAL OF MOLECULAR STRUCTURE, vol.654, pp.125-129, 2003 (SCI-Expanded)
- CLXXVI. **Synthesis, special and structural characterization of the first Bis-2-pyridylethanol complex of Mn(II), Fe(II), Co(II), Ni(II), Cu(II), and Zn(II) saccharinates: Crystal structures of diaquabis(2-pyridylethanol)iron(II) and copper(II) saccharinates**
YILMAZ V. T., Hamamci S., Thone C.
JOURNAL OF COORDINATION CHEMISTRY, vol.56, no.9, pp.787-795, 2003 (SCI-Expanded)
- CLXXVII. **Trans-bis(saccharinato)cadmium(II) complexes with 2-pyridylethanol: Synthesis, crystal structures, spectral and thermal characterization of [Cd(sac)(2)(pyet)(2)] and Cd(sac)(2)(H2O)(dmso)(pyet)]**
YILMAZ V. T., Hamamci S., Thone C.
ZEITSCHRIFT FÜR ANORGANISCHE UND ALLGEMEINE CHEMIE, vol.629, no.4, pp.711-715, 2003 (SCI-Expanded)
- CLXXVIII. **Metal complexes of phenylpiperazine-based dithiocarbamate ligands. Synthesis, characterization, spectroscopic, thermal, and antimicrobial activity studies**
YILMAZ V. T., Yazicilar T., Cesur H., Ozkanca R., Maras F.
SYNTHESIS AND REACTIVITY IN INORGANIC AND METAL-ORGANIC CHEMISTRY, vol.33, no.4, pp.589-605, 2003 (SCI-Expanded)
- CLXXIX. **Synthesis, crystal and molecular structure of trans-bis(2-pyridinepropanol)bis(saccharinato)nickel(II)**
YILMAZ V. T., Hamamci S., Thone C.
CRYSTAL RESEARCH AND TECHNOLOGY, vol.38, no.11, pp.992-995, 2003 (SCI-Expanded)
- CLXXX. **A three-dimensional lead(II) polymer with bridging saccharinate and unusually coordinated acetate ligands - Synthesis, IR spectra, and crystal structure of [Pb(H2O)(μ-OAc)(μ-sac)](n)**
YILMAZ V. T., Hamamci S., Andac O., Guven K.
ZEITSCHRIFT FÜR ANORGANISCHE UND ALLGEMEINE CHEMIE, vol.629, no.1, pp.172-176, 2003 (SCI-Expanded)
- CLXXXI. **Synthesis, crystal and molecular structure of 2-pyridylethanolbis(saccharinato)mercury(II)**
YILMAZ V. T., Hamamci S., Thone C.
CRYSTAL RESEARCH AND TECHNOLOGY, vol.37, no.10, pp.1143-1148, 2003 (SCI-Expanded)
- CLXXXII. **Synthesis, spectral and thermal studies of Bis-2,6-dimethanolpyridine complexes of Co(II), Ni(II), Cu(II) and Zn(II) saccharinates: Crystal structures of [Ni(dmpy)(2)](sac)(2)center dot 2H(2)O and [Zn(dmpy)(2)](sac)(2)center dot 2H(2)O**
YILMAZ V. T., Guney S., Andac O., Harrison W.
JOURNAL OF COORDINATION CHEMISTRY, vol.56, no.1, pp.21-32, 2003 (SCI-Expanded)
- CLXXXIII. **trans-Diaquabis(2-pyridylethanol-N,O)nickel(II) disaccharinate**
Hamamci S., YILMAZ V. T., Thone C.
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.58, 2002 (SCI-Expanded)

- CLXXXIV. **trans-Diaquabis(2-pyridylethanol-N,O)cobalt(II) disaccharinate**
YILMAZ V. T., Hamamci S., Thone C.
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.58, 2002 (SCI-Expanded)
- CLXXXV. **A hydrogen-bonded dimer of a novel Co(II) complex of monoethanolamine with thiocyanate: synthesis, spectra, thermal behaviour and crystal structure**
YILMAZ V. T., Andac O., Karadag A., Harrison W.
JOURNAL OF MOLECULAR STRUCTURE, vol.641, pp.119-124, 2002 (SCI-Expanded)
- CLXXXVI. **Different coordination modes of saccharin in the metal complexes with 2-pyridylmethanol: synthesis, spectroscopic, thermal and structural characterization**
YILMAZ V. T., Guney S., Andac O., Harrison W.
POLYHEDRON, vol.21, no.23, pp.2393-2402, 2002 (SCI-Expanded)
- CLXXXVII. **Bis(p-nitrobenzoxasulfamato) complexes of cadmium(II) and mercury(II) - Synthesis, spectra, and X-ray crystal structures**
YILMAZ V. T., Yazicilar T., Andac O., Kutuk H., Bekdemir Y., Harrison W.
ZEITSCHRIFT FUR ANORGANISCHE UND ALLGEMEINE CHEMIE, vol.628, no.8, pp.1908-1912, 2002 (SCI-Expanded)
- CLXXXVIII. **Bis(2-pyridylmethanol)bis(saccharinato)zinc(II) and -cadmium(II) at 120 K: three-dimensional structures containing both N-and O-coordinated ambidentate saccharinate ligands**
YILMAZ V. T., Guney S., Andac O., Harrison W.
ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS, vol.58, 2002 (SCI-Expanded)
- CLXXXIX. **Mixed-ligand metal succinate complexes with 1,10-phenanthroline and ethylenediamine: Synthesis, characterization, spectroscopic and thermal studies. Crystal structure of succinatocobalt(II) complex with phenanthroline**
YILMAZ V. T., DEMİR S., Andac O., Harrison W.
JOURNAL OF COORDINATION CHEMISTRY, vol.55, no.8, pp.863-872, 2002 (SCI-Expanded)
- CXC. **Synthesis, characterization and spectral studies of triethanolamine complexes of metal saccharinates. Crystal structures of [Co(TEA)(2)](SAC)(2) and [Cu-2(mu-TEA)2(SAC)(2)]center dot 2(CH3OH)**
Topcu Y., Andac O., YILMAZ V. T., Harrison W.
JOURNAL OF COORDINATION CHEMISTRY, vol.55, no.7, pp.805-815, 2002 (SCI-Expanded)
- CXCI. **trans-Diaquabis[2-(2-pyridyl)ethanol-kappa N-2,O]zinc(II) disaccharinate**
Hamamci S., YILMAZ V. T., Thone C.
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.58, 2002 (SCI-Expanded)
- CXCII. **N-(2-Hydroxyethyl)ethylene-diammonium hydrogenphosphate monohydrate**
DEMİR S., YILMAZ V. T., Andac O., Harrison W.
ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS, vol.58, 2002 (SCI-Expanded)
- CXCIII. **Different coordination modes of saccharin in the complexes of lead(II) with 2-pyridylmethanol and pyridine-2,6-dimethanol - Synthesis, spectral and structural characterization**
YILMAZ V. T., Guney S., Thone C.
ZEITSCHRIFT FUR ANORGANISCHE UND ALLGEMEINE CHEMIE, vol.628, no.6, pp.1406-1410, 2002 (SCI-Expanded)
- CXCIV. **Synthesis, molecular and crystal structure of bis(triethanolamine)manganese(II) saccharinate: a seven-coordinate manganese complex with tri- and tetradentate triethanolamine ligands**
Topcu Y., Andac O., YILMAZ V. T., Harrison W.
JOURNAL OF MOLECULAR STRUCTURE, vol.610, pp.99-103, 2002 (SCI-Expanded)
- CXCV. **Metal complexes of saccharin with the N-(2-hydroxyethyl)-ethylenediamine ligand: Synthesis, characterization and spectroscopic examination. Crystal structures of trans-bis(saccharinato)bis{N-(2-hydroxyethyl)-ethylenediamine} copper(II) and cadmium(II)**
YILMAZ V. T., Karadag A., Thone C.
JOURNAL OF COORDINATION CHEMISTRY, vol.55, no.6, pp.609-618, 2002 (SCI-Expanded)
- CXCVI. **The first metal complex of p-nitrobenzoxasulfamate. Synthesis, spectral and structural**

- characterization of triaquabis(p-nitrobenzoxasulfamato)copper(II) monohydrate**
YILMAZ V. T., Andac O., Yazicilar T., Kutuk H., Bekdemir Y., Harrison W.
JOURNAL OF MOLECULAR STRUCTURE, vol.608, no.1, pp.71-76, 2002 (SCI-Expanded)
- CXCVII. **Crystal structure, spectral and thermal properties of potassium p-nitrobenzoxasulfamate monohydrate**
Bekdemir Y., Kutuk H., Celik S., YILMAZ V. T., Thoene C.
JOURNAL OF MOLECULAR STRUCTURE, vol.604, pp.239-244, 2002 (SCI-Expanded)
- CXCVIII. **Thermal decomposition of triethanolamine and monoethanolethylenediamine complexes of some transition metal saccharinates**
YILMAZ V. T., Topcu Y., Karadag A.
THERMOCHIMICA ACTA, vol.383, pp.129-135, 2002 (SCI-Expanded)
- CXCIX. **trans-Bis(diethanolamine-N,O)bis-(saccharinato-N)cadmium(II)**
Andac O., Topcu Y., YILMAZ V. T., Harrison W.
ACTA CRYSTALLOGRAPHICA SECTION C-STRUCTURAL CHEMISTRY, vol.58, 2002 (SCI-Expanded)
- CC. **Bis(pyridine-2,6-dimethanol-N,O,O')cobalt(II) and -copper(II) disaccharinate dihydrate: three-dimensional structures with extensive hydrogen bonds and aromatic pi-pi-stacking interactions**
Andac O., Guney S., Topcu Y., YILMAZ V. T., Harrison W.
ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS, vol.58, 2002 (SCI-Expanded)
- CCI. **Synthesis and structure of trans-bis(ethanolamine)bis(saccharinato)mercury(II)**
Topcu Y., Andac O., YILMAZ V. T., Harrison W.
CRYSTAL RESEARCH AND TECHNOLOGY, vol.37, no.5, pp.509-513, 2002 (SCI-Expanded)
- CCII. **Sodium p-nitrobenzoxasulfamate monohydrate**
Yazicilar T., Andac O., Bekdemir Y., Kutuk H., YILMAZ V. T., Harrison W.
ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS, vol.58, 2002 (SCI-Expanded)
- CCIII. **Bis(triethanolamine)cadmium(II) and -mercury(II) saccharinates: seven-coordinate complexes containing both tri- and tetradentate triethanolamine ligands**
Andac O., Topcu Y., YILMAZ V. T., Guven K.
ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS, vol.57, pp.1381-1384, 2001 (SCI-Expanded)
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