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Education Information

Doctorate, Hacettepe University, Mühendislik Fakültesi, Fizik Mühendisliği Bölümü, Turkey 1980 - 1985

Postgraduate, Hacettepe University, Mühendislik Fakültesi, Fizik Mühendisliği Bölümü, Turkey 1979 - 1980

Undergraduate, Hacettepe University, Mühendislik Fakültesi, Fizik Mühendisliği Bölümü, Turkey 1974 - 1979

Research Areas

Natural Sciences

Academic Titles / Tasks

Professor, Gazi University, Fen Fakültesi, Fizik, 1996 - Continues

Associate Professor, Gazi University, Fen Fakültesi, Fizik, 1989 - 1996

Assistant Professor, Gazi University, Fen Fakültesi, Fizik, 1988 - 1989

Research Assistant, Middle East Technical University, Faculty Of Arts And Sciences, Department Of Chemistry, 1986 - 1988

Research Assistant, Hacettepe University, Mühendislik Fakültesi, Fizik Mühendisliği Bölümü, 1979 - 1986

Advising Theses

YURDAKUL Ş., Experimental And Theoretical Investigation Of Urasil Molecular DmsO Production Solution, Postgraduate, T.ÖZTAN(Student), 2017

YURDAKUL Ş., Experimental And Theoretical Investigations On Structural And Physical Properties Of Several Ligand Compounds Used In Drug Design By Using Molecular Vibrational Spectroscopy, Doctorate, M.TUĞFAN(Student), 2016

YURDAKUL Ş., Experimental and theoretical study on vibrations of oxazole and its zinc halide complexes, Postgraduate, L.ÖZKURT(Student), 2014

YURDAKUL Ş., Investigation of 2,2'-dipyridylamine molecule and its palladium and platinum complexes by experimental and theoretical vibrational spectroscopy, Postgraduate, M.TUĞFAN(Student), 2013

YURDAKUL Ş., Structural analysis of the tautomeric forms and isomers of 3-hydroxy-2- uinoxalinecarboxylic acid and 8-hydroxy-2-quinolinecarboxylic acid molecules by using vibrational spectroscopy and quantum chemical calculations, Doctorate, S.BADOĞLU(Student), 2013

YURDAKUL Ş., ?-acetylpyridine ketone'un ve argerol'lü bileşiğinin titreşimlerinin deneysel ve teorik olarak incelenmesi, Postgraduate, A.ATILGAN(Student), 2013

YURDAKUL Ş., Experimental and theoretical investigation on spectroscopic properties of some nitrogen-ended ligands, Doctorate, S.TANRIBUYURDU(Student), 2013

YURDAKUL Ş., Experimental and theoretical study on vibrations of free : α- acetylpyridine ketone and it's argerol complex, Postgraduate, A.Atılğan(Student), 2013

YURDAKUL Ş., BAZI BİYOLOJİK AKTİF LİGANDLARIN TİTREŞİMSEL SPEKTROSKOPİ İLE İNCELENMESİ, Postgraduate,

- Y.GÜLEŞCİ(Student), 2012
- YURDAKUL Ş., Experimental and theoretical study on vibrations of 4-(imidazol-1-yl) phenol, Postgraduate, G.SELCİK(Student), 2012
- YURDAKUL Ş., Study of the structures of free nipecotic acid and nipecotamide molecules and their complexes by using vibrational spectroscopy, Doctorate, N.ÇİĞDEM(Student), 2011
- YURDAKUL Ş., Theoretical and experimental investigation of 2- hydroxyquinoxaline and 4-hydroxyquinazoline, Doctorate, T.POLAT(Student), 2010
- YURDAKUL Ş., EXPERIMENTAL AND THEORETICAL STUDY ON VIBRATIONS OF FREE IMIDAZO(1,2-A)PYRIDINE, Postgraduate, S.BADOĞLU(Student), 2008
- YURDAKUL Ş., 1,2-BİS(2-piridil)etilen ve trans 1,2- BİS(4-piridil etilen moleküllerinin serbest halde ve kompleks yapıdaki titreşim frekanslarının hesaplanması, Doctorate, Z.ÖZHAMAM(Student), 2007
- YURDAKUL Ş., Bazı metal(II) halojenür 3-acetylpyridine bileşiklerinin titreşimsel spektroskopi ile incelenmesi, Postgraduate, Z.DEMİRKAPI(Student), 2007
- YURDAKUL Ş., Bazı metal 2,2'-dipyridyl'in halojen birleşiklerinin infrared spektroskopisi ile incelenmesi, Postgraduate, H.KÜÇÜK(Student), 2007
- YURDAKUL Ş., THE CALCULATION OF THE VIBRATIONAL SPECTRA OF 1,2- BIS(2-PYRIDYL)ETHYLENE AND TRANS 1,2- BIS(4-PYRIDYL)ETHYLENE AND THE METAL COMPLEXES OF THEM, Doctorate, Z.ÖZHAMAM(Student), 2007
- YURDAKUL Ş., Bazı metal 2-asetilpridin bileşiklerinin infrared spektroskopisi yöntemi ile incelenmesi, Postgraduate, E.ÖZGE(Student), 2006
- YURDAKUL Ş., Bazı metal (II) halojenür 2-aminopyrimidine bileşiklerinin titreşimsel spektroskopi ile incelenmesi, Postgraduate, N.ÇİĞDEM(Student), 2005
- YURDAKUL Ş., Teorik ve deneysel titreşim spektroskopi yardımıyla bazı molekül ve bileşiklerin incelenmesi, Doctorate, K.ARICI(Student), 2004
- YURDAKUL Ş., Bazı metal (II) 2,2' bikiolin bileşiklerinin infrared spektroskopisi yöntemi ile incelenmesi, Postgraduate, F.KUŞTAN(Student), 2004
- YURDAKUL Ş., Bazı metal 4-tert-butylpyridine ve phenazine bileşiklerinin infrared spektroskopisi yöntemi ile incelenmesi, Postgraduate, M.OTHMAN(Student), 2004
- YURDAKUL Ş., Bazı metal (II) halejenür kinazolin bileşiklerinin titreşimsel spektroskopi, Postgraduate, D.YASA(Student), 2004
- YURDAKUL Ş., Bazı metal(II) phthalazine bileşiklerinin infrared spektroskopi yöntemiyle araştırılması ve phthalazine molekülünün titreşim spektrumunun teorik olarak incelenmesi, Postgraduate, M.AYASLAN(Student), 2003
- YURDAKUL Ş., Bazı metal(II) benzimidazol bileşiklerinin yapılarının kırmızı altı spektroskopisi yöntemiyle araştırılması ve 1,2-bis(4-pyridyl) ethane molekülünün titreşim spektrumunun teorik olarak incelenmesi, Doctorate, M.KURT(Student), 2003
- YURDAKUL Ş., Bazı metal(II) nikotinamid ve izonikotinamid bileşiklerinin yapılarının incelenmesi, Doctorate, A.ATAÇ(Student), 2002
- YURDAKUL Ş., Bazı metal (II) phthalazine tetrasiyanonikel bileşiklerinin titreşimsel spektroskopi ile incelenmesi, Postgraduate, C.BARDAKÇI(Student), 2001
- YURDAKUL Ş., Bazı metal (II) benzimidazol tetrasiyanonikel bileşiklerinin titreşimsel spektroskopi ile incelenmesi, Postgraduate, C.YILMAZ(Student), 1999
- YURDAKUL Ş., Kadmiyum (II) ve nikel (II)'li 3 klor 4 metil anilin tetrasiyanonikel ve klorür bileşiklerinin infra-red ve raman spektroskopileri ile incelenmesi, Postgraduate, A.İLHAN(Student), 1996
- YURDAKUL Ş., Metal (II) 4-terciyer butil pridin tetrasiyanonikel (II) komplekslerinin titreşimsel spektroskopi ile incelenmesi, Postgraduate, M.BAHAT(Student), 1995
- YURDAKUL Ş., Bazı bileşiklerin kırmızı-altı ve raman spektroskopileri ile titreşim frekans ve kiplerinin saptanması, Doctorate, A.ÖZBAY(Student), 1995
- YURDAKUL Ş., Geçiş metallerinin akridin ile yaptığı komplekslerin infrared spektroskopisi ile incelenmesi, Postgraduate, M.TAŞDELEN(Student), 1995
- YURDAKUL Ş., Kadmiyum (II) ve nikel (II)'li kinoksalin tetrasiyanonikel komplekslerin infrared ve raman spektroskopileri ile incelenmesi, Postgraduate, M.GÜLLÜOĞLU(Student), 1995
- YURDAKUL Ş., Bazı bileşiklerin kırmızı-altı ve raman spektroskopisiyle titreşim frekans ve kiplerinin saptanması,

Postgraduate, D.KÜÇÜKGÜLDAL(Student), 1995

YURDAKUL Ş., 3,5 lutidin metal tetrasiyano kinel komplekslerinin infra-red spektroskopisi ve DTA tekniği ile incelenmesi,

Postgraduate, G.SAĞLAM(Student), 1994

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **New silver(I) complex as antibiotic candidate: Synthesis, spectral characterization, DFT, QTAIM and antibacterial investigations and docking properties**
Celik S., YURDAKUL Ş., ERDEM B.
JOURNAL OF MOLECULAR STRUCTURE, vol.1261, 2022 (Journal Indexed in SCI)
- II. **Experimental and Theoretical Vibrational Spectroscopic Investigations, DFT quantum chemical analysis, Biological activities and Molecular docking on 4,4'-Dimethoxy-2,2'-Bipyridine**
Alp M., YURDAKUL Ş., ERDEM B.
JOURNAL OF MOLECULAR STRUCTURE, vol.1260, 2022 (Journal Indexed in SCI)
- III. **Synthesis, theoretical and experimental spectroscopic properties, molecular docking, ADMET, and RDG analysis of copper(II) complex of dichloro(1,10-phenanthroline)(1,2,4-triazole-3-carboxylic acid)**
Celik S., Badoglu S., YURDAKUL Ş.
CHEMICAL PAPERS, 2022 (Journal Indexed in SCI)
- IV. **Spectroscopic characterization, DFT calculations, and microbiological activity of 5-iodoindole**
Kucuk C., YURDAKUL Ş., ERDEM B.
JOURNAL OF MOLECULAR STRUCTURE, vol.1252, 2022 (Journal Indexed in SCI)
- V. **Experimental and theoretical Fourier transform infrared and Raman spectroscopy, density functional theory, antibacterial activity and molecular docking studies on 1-(4-methoxyphenyl)-1H-imidazole**
Kucuk C., YURDAKUL Ş., ERDEM B.
CHEMICAL PAPERS, 2022 (Journal Indexed in SCI)
- VI. **Synthesis, crystal structure, Hirshfeld surface analysis and molecular docking analysis of new cadmium(II) iodide complex with the pyridine, 4-(1,1-dimethylethyl)**
Celik S., DEMİRCİOĞLU Z., YURDAKUL Ş., BÜYÜKGÜNGÖR O.
JOURNAL OF COORDINATION CHEMISTRY, 2022 (Journal Indexed in SCI)
- VII. **Synthesis, spectroscopic characterization (FT-IR, PL), DFT calculations and antibacterial activity of silver(I) nitrate complex with nicotinaldehyde**
Celik S., YURDAKUL Ş., ERDEM B.
INORGANIC CHEMISTRY COMMUNICATIONS, vol.131, 2021 (Journal Indexed in SCI)
- VIII. **A combined experimental and theoretical study on vibrational spectra of 3-pyridyl methyl ketone**
Celik S., Alp M., YURDAKUL Ş.
SPECTROSCOPY LETTERS, vol.53, no.4, pp.234-248, 2020 (Journal Indexed in SCI)
- IX. **Crystal structure, spectroscopic characterization, thermal properties and theoretical investigations on [Ag(methyl 4-pyridyl ketone)2NO3]**
YURDAKUL Ş., TEMEL E., BÜYÜKGÜNGÖR O.
JOURNAL OF MOLECULAR STRUCTURE, vol.1191, pp.301-313, 2019 (Journal Indexed in SCI)
- X. **Electronic [UV-Visible] and vibrational [FT-IR] investigation and NMR spectroscopic analysis of some halogen substituted chromone (6-Fluorochromone, 6-Chlorochromone, 6-Bromochromone)**
Erdođdu Y., Yurdakul Ş., Badoglu S., Gulluoglu M. T.
JOURNAL OF MOLECULAR STRUCTURE, vol.1184, pp.364-374, 2019 (Journal Indexed in SCI)
- XI. **Experimental and Theoretical Study on New Zn(II) Halide Complexes of 3,5-Diazaindole**
Badoglu S., Yurdakul Ş.
JOURNAL OF STRUCTURAL CHEMISTRY, vol.59, no.5, pp.1010-1021, 2018 (Journal Indexed in SCI)
- XII. **FT-IR and Raman Spectroscopy and Computation of 5-Methylfurfural**

- ERDOĞDU Y., Sertbakan T. R. , Gulluoglu M. T. , Yurdakul Ş., Guvenir A.
JOURNAL OF APPLIED SPECTROSCOPY, vol.85, no.3, pp.517-525, 2018 (Journal Indexed in SCI)
- XIII. **DFT simulation, quantum chemical electronic structure, spectroscopic and structure-activity investigations of 4-acetylpyridine**
ATILGAN A., Yurdakul Ş., ERDOĞDU Y., Gulluoglu M. T.
JOURNAL OF MOLECULAR STRUCTURE, vol.1161, pp.55-65, 2018 (Journal Indexed in SCI)
- XIV. **Vibrational spectroscopic and density functional study on 1,2,4-triazolo-[1,5-a]pyrimidine**
Celik S., BADOĞLU S., YURDAKUL Ş.
VIBRATIONAL SPECTROSCOPY, vol.92, pp.280-286, 2017 (Journal Indexed in SCI)
- XV. **Experimental and theoretical studies on molecular structures and vibrational modes of novel compounds containing silver**
BİLKAN M. T. , Yurdakul A.
RUSSIAN JOURNAL OF INORGANIC CHEMISTRY, vol.62, no.7, pp.910-924, 2017 (Journal Indexed in SCI)
- XVI. **Experimental and DFT studies of solvent effects on molecular structure and physical properties of Dipyrildylamine pyridine based ligand**
Bilkan M. T. , ŞAHİN O., YURDAKUL Ş.
JOURNAL OF MOLECULAR STRUCTURE, vol.1133, pp.580-590, 2017 (Journal Indexed in SCI)
- XVII. **An experimental and theoretical investigation of free Oxazole in conjunction with the DFT analysis of Oxazole center dot center dot center dot (H₂O)(n) complexes**
YURDAKUL Ş., Badoglu S., Ozkurt L.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.162, pp.48-60, 2016 (Journal Indexed in SCI)
- XVIII. **Crystal structure, FT-IR, FT-Raman and DFT studies on a novel compound [C₁₀H₉N₃](4)AgNO₃**
Bilkan M. T. , YURDAKUL Ş., Demircioglu Z., BÜYÜKGÜNGÖR O.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.805, pp.108-116, 2016 (Journal Indexed in SCI)
- XIX. **An FT-IR and DFT study of the free and solvated 4-(imidazol-1-yl)phenol**
YURDAKUL Ş., Badoglu S.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.150, pp.614-622, 2015 (Journal Indexed in SCI)
- XX. **Spectroscopic and structural properties of 2,2'-dipyridylamine and its palladium and platinum complexes**
Yurdakul A., Bilkan M. T.
OPTICS AND SPECTROSCOPY, vol.119, no.4, pp.603-619, 2015 (Journal Indexed in SCI)
- XXI. **Experimental and theoretical study on free 5-nitroquinoline, 5-nitroisoquinoline, and their zinc(II) halide complexes**
YURDAKUL Ş., Badoglu S., Gulesci Y.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.137, pp.945-956, 2015 (Journal Indexed in SCI)
- XXII. **FTIR, Raman and NMR spectroscopic and DFT theoretical studies on poly(N-vinylimidazole)**
Talu M., Derniroglu E. U. , YURDAKUL Ş., Badoglu S.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.134, pp.267-275, 2015 (Journal Indexed in SCI)
- XXIII. **Quantum chemical and spectroscopic (FT-IR and FT-Raman) investigations of 3-methyl-3h-imidazole-4-carbaldehyde**
POLAT T., YURDAKUL Ş.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.133, pp.683-696, 2014 (Journal Indexed in SCI)
- XXIV. **DFT study of solvent effects on 3-hydroxy-2-quinoxalinecarboxylic acid tautomers**
Badoglu S., Yurdakul Ş.
OPTICS AND SPECTROSCOPY, vol.117, no.2, pp.201-212, 2014 (Journal Indexed in SCI)
- XXV. **FT-IR, FT-Raman Spectra and Quantum Mechanical Study of Piperidine-3-carboxylic Acid and Its**

Tautomers, Isomers

YURDAKUL Ş., Yasayan N. C. , Badoglu S.

OPTICS AND SPECTROSCOPY, vol.116, no.6, pp.906-918, 2014 (Journal Indexed in SCI)

- XXVI. **FT-IR, FT-Raman spectra, and DFT computations of the vibrational spectra and molecular geometry of chlorzoxazone**
YURDAKUL Ş., Yurdakul M.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.126, pp.339-348, 2014 (Journal Indexed in SCI)
- XXVII. **A Combined Experimental and Theoretical Study on 8-Hydroxy-2-quinolinecarboxylic Acid**
Badoglu S., YURDAKUL Ş.
OPTICS AND SPECTROSCOPY, vol.116, no.2, pp.196-206, 2014 (Journal Indexed in SCI)
- XXVIII. **DFT, FT-IR and FT-Raman investigations of 1-methyl-2-imidazolecarboxaldehyde**
POLAT T., YURDAKUL Ş.
JOURNAL OF MOLECULAR STRUCTURE, vol.1053, pp.27-37, 2013 (Journal Indexed in SCI)
- XXIX. **Vibrational and electronic structural study of dinuclear Zn(II) halide complexes with 4-azabenzimidazole**
Badoglu S., YURDAKUL Ş.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.745, pp.363-372, 2013 (Journal Indexed in SCI)
- XXX. **DFT, FT-Raman, FT-IR and FT-NMR studies of 4-phenylimidazole**
Gulluoglu M. T. , ERDOĞDU Y., Karpagam J., Sundaraganesan N., Yurdakul Ş.
JOURNAL OF MOLECULAR STRUCTURE, vol.990, pp.14-20, 2011 (Journal Indexed in SCI)
- XXXI. **Vibrational frequencies and structural determination of 2,2'-biquinoline**
Yurdakul Ş., Yurdakul M.
JOURNAL OF MOLECULAR STRUCTURE, vol.834, pp.555-560, 2007 (Journal Indexed in SCI)
- XXXII. **Molecular structure and vibrational spectra of piperidine and 4-methylpiperidine by density functional theory and ab initio Hartree-Fock calculations**
Gulluoglu M. T. , Erdoğdu Y., Yurdakul Ş.
JOURNAL OF MOLECULAR STRUCTURE, vol.834, pp.540-547, 2007 (Journal Indexed in SCI)
- XXXIII. **HF and DFT studies and vibrational spectra of 1,2-bis(2-pyridyl) ethylene and its zinc (II) halide complexes**
Ozhamam Z., Yurdakul M., Yurdakul Ş.
VIBRATIONAL SPECTROSCOPY, vol.43, no.2, pp.335-343, 2007 (Journal Indexed in SCI)
- XXXIV. **DFT studies and vibrational spectra of trans 1,2-bis(4-pyridyl)ethylene and its zinc(II)halide complexes**
Ozhamam Z., Yurdakul M., Yurdakul Ş.
JOURNAL OF MOLECULAR STRUCTURE-THEOCHEM, vol.761, pp.113-118, 2006 (Journal Indexed in SCI)
- XXXV. **Synthesis and vibrational spectroscopic studies of isonicotinamide metal(II) halide complexes**
Atac A., Yurdakul Ş., İDE S.
JOURNAL OF MOLECULAR STRUCTURE, vol.783, pp.79-87, 2006 (Journal Indexed in SCI)
- XXXVI. **Molecular structure and vibrational spectra of lepidine and 2-chlorolepidine by density functional theory and ab initio Hartree-Fock Calculations**
Kurt M., Yurdakul Ş.
JOURNAL OF MOLECULAR STRUCTURE-THEOCHEM, vol.730, pp.59-67, 2005 (Journal Indexed in SCI)
- XXXVII. **Vibrational spectra of phthalazine by density functional theory calculations and assignment of its metal complexes**
Kurt M., Yurdakul Ş.
JOURNAL OF MOLECULAR STRUCTURE-THEOCHEM, vol.717, pp.171-178, 2005 (Journal Indexed in SCI)
- XXXVIII. **HF and DFT studies of the structure and vibrational spectra of 8-hydroxyquinoline and its mercury(II) halide complexes**
Arici K., Yurdakul M., Yurdakul Ş.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.61, pp.37-43, 2005

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- XXXIX. **Molecular structure and vibrational spectra of 3-chloro-4-methyl aniline by density functional theory and ab initio Hartree-Fock calculations**
Kurt M., Yurdakul M., Yurdakul Ş.
JOURNAL OF MOLECULAR STRUCTURE-THEOCHEM, vol.711, pp.25-32, 2004 (Journal Indexed in SCI)
- XL. **Fourier transform-infrared spectroscopic study of isonicotinamide metal(II) tetracyanonickelate and halide complexes**
Yurdakul Ş., Atac A.
SPECTROSCOPY LETTERS, vol.37, no.1, pp.33-42, 2004 (Journal Indexed in SCI)
- XLI. **Coordination behaviour of nicotinamide: an infrared spectroscopic study**
Bayari S., Atac A., Yurdakul Ş.
JOURNAL OF MOLECULAR STRUCTURE, vol.655, no.1, pp.163-170, 2003 (Journal Indexed in SCI)
- XLII. **Molecular structure and vibrational spectra of 1,2-bis(4-pyridyl) ethane by density functional theory and ab initio Hartree-Fock calculations**
Kurt M., Yurdakul Ş.
JOURNAL OF MOLECULAR STRUCTURE, vol.654, pp.1-9, 2003 (Journal Indexed in SCI)
- XLIII. **Vibrational spectroscopic studies of metal(II) halide benzimidazole**
Yurdakul Ş., Kurt M.
JOURNAL OF MOLECULAR STRUCTURE, vol.650, pp.181-190, 2003 (Journal Indexed in SCI)
- XLIV. **Synthesis, spectroscopic and structural studies on metal halide complexes of isonicotinamide**
Yurdakul Ş., Atac A., Sahin E., İDE S.
VIBRATIONAL SPECTROSCOPY, vol.31, no.1, pp.41-49, 2003 (Journal Indexed in SCI)
- XLV. **An infrared and Raman spectroscopic study of the Hofmann-type complexes and clathrates: $M(\text{piperidine})(2)\text{Ni}(\text{CN})$; $M(\text{piperidine})(2)\text{Ni}(\text{CN})(4)\text{center dot } 1.5G$ ($M = \text{Cd, Co, Ni or Cu}$; $G = \text{benzene}$)**
Gulluoglu M., Yurdakul Ş.
JOURNAL OF MOLECULAR STRUCTURE, vol.641, no.1, pp.93-100, 2002 (Journal Indexed in SCI)
- XLVI. **Structural features of dibromobis(nicotinamide)zinc(II) complex**
Sahin E., İDE S., Atac A., Yurdakul Ş.
JOURNAL OF MOLECULAR STRUCTURE, vol.616, pp.253-258, 2002 (Journal Indexed in SCI)
- XLVII. **Structural investigation of dibromobis(benzimidazole)Zn(II) complex**
Sahin E., İDE S., Kurt M., Yurdakul Ş.
JOURNAL OF MOLECULAR STRUCTURE, vol.616, pp.259-264, 2002 (Journal Indexed in SCI)
- XLVIII. **Vibrational spectroscopic study on pyrimidine metal(II) tetracyanometalate complexes**
Bahat M., Yurdakul Ş.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.58, no.5, pp.933-939, 2002 (Journal Indexed in SCI)
- XLIX. **Spectroscopic and structural studies on dichlorobis(nicotinamide)zinc(II)**
İDE S., Atac A., Yurdakul Ş.
JOURNAL OF MOLECULAR STRUCTURE, vol.605, no.1, pp.103-107, 2002 (Journal Indexed in SCI)
- L. **Infrared spectroscopic studies of some piperidine metal(II) clathrates: $M(\text{C}_5\text{H}_{11}\text{N})(2)\text{Ni}(\text{CN})(4)\text{center dot } G$ ($M = \text{Co, Ni}$; $G = \text{m-xylene, p-xylene or o-xylene}$; $M = \text{Ni}$; $G = \text{dioxane}$)**
Gulluoglu M., Yurdakul Ş.
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- LI. **Spectroscopic and structural studies on metal halide complexes of 4-vinylpyridine**
Bayari S., İDE S., Yurdakul Ş.
JOURNAL OF MOLECULAR STRUCTURE, vol.560, pp.95-103, 2001 (Journal Indexed in SCI)
- LII. **Fourier transform infrared and Raman spectra of 4-vinylpyridine and its transition metal(II) tetracyanonickelate complexes**
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- LIII. **Vibrational spectroscopic investigations of M(benzimidazole)₂Ni(CN)₄ and Cd(benzimidazole)₂Cl₂ complexes**
Yurdakul Ş., Yilmaz C.
VIBRATIONAL SPECTROSCOPY, vol.21, pp.127-132, 1999 (Journal Indexed in SCI)
- LIV. **Fourier transform infrared and Raman spectroscopic study of 3-chloro-4-methylaniline metal(II) tetracyanonickelate and chloride complexes**
Yurdakul Ş., Sen A.
VIBRATIONAL SPECTROSCOPY, vol.20, no.1, pp.27-33, 1999 (Journal Indexed in SCI)
- LV. **Fourier transform infrared and Raman spectroscopic studies on 8-hydroxyquinoline metal(II) tetracyanonickelate complexes**
Yurdakul Ş.
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- LVI. **Fourier transform infrared and Raman spectroscopic studies on 4-tert-butylpyridine and its metal(II) tetracyanonickelate complexes**
Yurdakul Ş., Bahat M.
JOURNAL OF MOLECULAR STRUCTURE, vol.412, pp.97-102, 1997 (Journal Indexed in SCI)
- LVII. **Fourier transform infrared and Raman studies on metal(II)-di(3,5-dimethylpyridine) tetracyanometalate complexes**
Bahat M., Yurdakul Ş.
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- LVIII. **Vibrational spectroscopic investigation of metal[II] tetracyanonickelate complexes of 4-acetylpyridine and acridine**
Yurdakul Ş., Gulluoglu M., Kucukguldal D., Tasdelen M.
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- LIX. **Fourier transform infrared and Raman spectra of metal halide complexes of 3,5-lutidine in relation to their structures**
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SPECTROSCOPY LETTERS, vol.29, no.1, pp.175-183, 1996 (Journal Indexed in SCI)
- LX. **VIBRATIONAL SPECTROSCOPIC STUDIES OF 2,4-LUTIDINE METAL(II) TETRACYANONICKELATE COMPLEXES**
OZBAY A., YURDAKUL Ş.
JOURNAL OF MOLECULAR STRUCTURE, vol.349, pp.13-16, 1995 (Journal Indexed in SCI)
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