

Prof. OSMAN DAYAN

Personal Information

Office Phone: [+90 286 218 0018](tel:+902862180018) Extension: 1821

Fax Phone: [+90 286 218 0533](tel:+902862180533)

Email: osmandayan@comu.edu.tr

Web: <http://akademik.comu.edu.tr/onizle.php?cvno=A-901>

Address: Çanakkale Onsekiz Mart üniversitesi Fen-Edebiyat Fakültesi Kimya bölümü 17020 Çanakkale

International Researcher IDs

ScholarID: jICij7MAAAAj

ORCID: 0000-0002-0764-1965

ScopusID: 13805114500

Yoksis Researcher ID: 41171

Education Information

Doctorate, Ege University, Fen Bilimleri, Kimya/Anorganik Kimya, Turkey 2001 - 2007

Postgraduate, Firat University, Fen Bilimleri, Kimya/Analitik Kimya, Turkey 1997 - 2000

Undergraduate, Firat University, Faculty Of Arts And Sciences, Kimya, Turkey 1992 - 1996

Foreign Languages

English, B2 Upper Intermediate

Research Areas

Chemistry, Inorganic Chemistry, Transition Metals, Photochemistry of Inorganic Molecules, Coordination Chemistry, Organometallic Chemistry, Novel Ligands, Material Characterization, Molecular Properties and Interactions with Photon, Catalysis, Engineering and Technology

Academic Titles / Tasks

Professor, Canakkale Onsekiz Mart University, Fen Fakültesi, Kimya, 2016 - Continues

Associate Professor, Canakkale Onsekiz Mart University, Fen Fakültesi, Kimya, 2011 - 2016

Assistant Professor, Canakkale Onsekiz Mart University, Fen Fakültesi, Kimya, 2009 - 2011

Research Assistant, Canakkale Onsekiz Mart University, Fen Fakültesi, Kimya, 2007 - 2009

Research Assistant, Ege University, Fen Bilimleri Enstitüsü, Kimya, 2001 - 2007

Research Assistant, Canakkale Onsekiz Mart University, Fen Fakültesi, Kimya, 2000 - 2001

Research Assistant, Canakkale Onsekiz Mart University, Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi, 1998 - 2000

Academic and Administrative Experience

Head of Department, Canakkale Onsekiz Mart University, Fen Fakültesi, Kimya, 2021 - 2022

Member of the Senate, Canakkale Onsekiz Mart University, Fen Fakültesi, 2018 - 2022

Vice Dean, Canakkale Onsekiz Mart University, 2019 - 2021

Canakkale Onsekiz Mart University, Fef, Kimya, 2015 - 2018

Canakkale Onsekiz Mart University, 2012 - 2015

Canakkale Onsekiz Mart University, 2012 - 2015

Supervised Theses

Dayan O., Yeni iki dişli schiff bazı ligandlar ve geçiş metal komplekslerinin sentezi ve karakterizasyonu, Postgraduate, G.KAYA(Student), 2023

Dayan O., Yeni ikidişli Schiff bazı ligantlar içeren geçiş metal komplekslerinin sentezi ve karakterizasyonu, Postgraduate, G.SELVİ(Student), 2021

DAYAN O., İki- ve üç- dişli benzimidazol ligandlar içeren yeni rutenyum komplekslerin sentez ve karakterizasyonları: DSSC'ler için yeni boyalar, Doctorate, m.tercan(Student), 2018

DAYAN O., Arensülfonat-Schiff Bazı Ligantları İçeren Geçiş Metal Komplekslerinin Sentezi, Karakterizasyonu ve Katalitik Uygulamaları, Postgraduate, R.Kağıt(Student), 2015

DAYAN O., PİRİDİL-BENZİMİDAZOL LİGANTLARI İÇEREN METAL KOMPLEKSLERİNİN SENTEZİ, KARAKTERİZASYONU VE KATALİTİK ÖZELLİKLERİ, Postgraduate, S.DEMİRMEN(Student), 2014

DAYAN O., BENZİMİDAZOL TÜREVLERİ İÇEREN METAL KOMPLEKSLERİNİN SENTEZİ KARAKTERİZASYONU ve KATALİTİK ÖZELLİKLERİNİN İNCELENMESİ, Postgraduate, D.DİLEK(Student), 2013

DAYAN O., 2,6-BİS(BENZİMİDAZOL-2-İL)PİRİDİN LİGANTLARI İÇEREN METAL KOMPLEKSLERİNİN SENTEZİ, KARAKTERİZASYONU VE KATALİTİK ÖZELLİKLERİNİN İNCELENMESİ, Postgraduate, M.YUNUS(Student), 2013

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Superb ruthenium(ii) complex melody: Uncovering its hidden catalytic and biological properties**
Duman S., Dervişoğlu G., Özdemir F. A., Şerbetçi Z., Erdener D., Dayan O.
International Journal of Hydrogen Energy, vol.79, pp.86-96, 2024 (SCI-Expanded)
- II. **A light-detecting Ru(II)/Si heterojunction system involving a binuclear Ru (II) complex with pyridine-2,6-diimine (pydim) ligand**
Koç M. M., DAYAN O., Dere A., Çetinkaya B., Coşkun B., Yakuphanoğlu F.
Journal of Materials Science: Materials in Electronics, vol.35, no.17, 2024 (SCI-Expanded)
- III. **Catalytic and biological properties of palladium(II) complexes with bidentate Schiff base ligands**
Kaya Özgür G., Dervişoğlu G., Özdemir F. A., Özdemir N., Şerbetçi Z., Dayan O.
APPLIED ORGANOMETALLIC CHEMISTRY, no.38, pp.1-18, 2024 (SCI-Expanded)
- IV. **The electrical and photophysical performances of axially-substituted naphthalene diimide-based small molecules as interface layer**
Bayindir S., Yigit E., Akman F., Sevgili Ö., Orak İ., Dayan O.
MATERIALS SCIENCE & ENGINEERING B: SOLID-STATE MATERIALS FOR ADVANCED TECHNOLOGY, vol.294, pp.1-10, 2023 (SCI-Expanded)
- V. **The photodetection properties of a ruthenium electro-optic device for organic material-based device industry**
Gencer Imer A., Dere A., Kaya E., Al-Sehemi A. G., Dayan O., Al-Ghamdi A. A., Yakuphanoglu F.
OPTICAL MATERIALS, vol.142, pp.1-9, 2023 (SCI-Expanded)
- VI. **Synthesis of a Cationic Ruthenium(ii) Complex and Its non-enzymatic Glucose-sensing Properties**
Dayan S., Özdemir N., Erdener D., Dayan O., Çetinkaya B.
NEW JOURNAL OF CHEMISTRY, vol.2023, no.47, pp.10187-10194, 2023 (SCI-Expanded)
- VII. **Simultaneous reduction of 4-nitrophenol, 4-nitroaniline and methylene blue organic pollutants via TiO₂ supported Pd(II) complex catalyst bearing 2-(6-methylpyridin-2-yl)-1H-benzimidazole type**

ligand

Tercan M., Dayan O., Özdemir N.

POLYHEDRON, vol.232, pp.116297-116309, 2023 (SCI-Expanded)

- VIII. **A hydrazine-bridged dinuclear ruthenium complex: Structural properties and biological activity**
Erdener D., Dervişoğlu G., Özdemir F. A., Şerbetçi Z., Özdemir N., Dayan O.
JOURNAL OF MOLECULAR STRUCTURE, vol.1272, pp.1-9, 2023 (SCI-Expanded)
- IX. **The synthesis and photoelectrical performances of perylenediimide-based devices as an interface layer in metal-organic-semiconductors**
Yigit E., Sevgili Ö., Bayindir S., Akman F., Orak İ., Dayan O.
MATERIALS SCIENCE & ENGINEERING B: SOLID-STATE MATERIALS FOR ADVANCED TECHNOLOGY, vol.286, no.286, pp.1-18, 2022 (SCI-Expanded)
- X. **Dye sensitized solar cell-based optoelectronic device using novel [Ru(L1)(L2)(NCS)2] complex**
Dayan O., İmer A. G., Tercan Yavaşoğlu M., Dere A., Al-Sehemi A. G., Al-Ghamdi A. A., Yakuphanoglu F.
JOURNAL OF MOLECULAR STRUCTURE, vol.1238, pp.1-9, 2021 (SCI-Expanded)
- XI. **Catalytic and biological activities of homoleptic palladium(II) complexes bearing the 2-aminobenzothiazole moiety**
DAYAN S., TERCAN YAVAŞOĞLU M., ÖZDEMİR F. A., AYKUTOĞLU G., ÖZDEMİR N., ŞERBETÇİ Z., DİNÇER M., DAYAN O.
POLYHEDRON, vol.199, 2021 (SCI-Expanded)
- XII. **Synthesis, catalytic, cytotoxic, and antibacterial properties of new Ru(II) and Pd(II) complexes bearing bidentate Schiff base ligand**
Selvi G., ÖZDEMİR F. A., AYKUTOĞLU G., ÖZDEMİR N., ŞERBETÇİ Z., DİNÇER M., DAYAN O.
INORGANIC AND NANO-METAL CHEMISTRY, vol.51, no.12, pp.1697-1706, 2021 (SCI-Expanded)
- XIII. **The preparation of new palladium (II) complexes with Schiff base type ligands and its impregnated Al2O3 materials: As the catalysts for degradation/reduction of organic dyes**
Selvi G., Tercan M., Özdemir N., DAYAN O.
Applied Organometallic Chemistry, vol.34, no.12, 2020 (SCI-Expanded)
- XIV. **Synthesis, thermal, electrochemical and catalytic behavior toward transfer hydrogenation investigations of the half-sandwich RuII complexes with 2-(2'-quinoly)benzimidazoles**
Erdem A., Kılınçarslan R., Şahin Ç., DAYAN O., Özdemir N.
Journal of Molecular Structure, vol.1220, 2020 (SCI-Expanded)
- XV. **SYNTHESIS, SPECTROSCOPY, X-RAY CRYSTALLOGRAPHY, AND DFT CALCULATIONS OF (<i>E</i>)-4-[(2-HYDROXYPHENYL) IMINO]METHYL}PHENYL BENZENESULFONATE**
Özdemir N., DAYAN O.
JOURNAL OF STRUCTURAL CHEMISTRY, vol.61, no.10, pp.1575-1584, 2020 (SCI-Expanded)
- XVI. **Palladium(II) complexes assembled on solid materials: as catalysts for the -NO2 (nitro) to -NH2 (amine) reactions**
DAYAN S., Kayacı N., Özdemir N., DAYAN O., Kalaycioglu Ozpozan N.
Monatshefte für Chemie, vol.151, no.10, pp.1533-1548, 2020 (SCI-Expanded)
- XVII. **Synthesis, characterization and application of Ru(II) complexes containing pyridil ligands for dye-sensitized solar cells**
DAYAN O., Ozdemir N., Yakuphanoglu F., Serbetci Z., BİLİCİ A.
MATERIALS SCIENCE-POLAND, vol.38, no.3, pp.450-458, 2020 (SCI-Expanded)
- XVIII. **Investigation of the effect of alkyl substitution on DSSC efficiency of Ru(II) complexes bearing tridentate benzimidazole ligands**
TERCAN YAVAŞOĞLU M., DAYAN O.
INORGANIC AND NANO-METAL CHEMISTRY, vol.50, no.7, pp.545-554, 2020 (SCI-Expanded)
- XIX. **Synthesis, thermal, electrochemical and catalytic behavior toward transfer hydrogenation investigations of the half-sandwich RuII complexes with 2-(2'-quinoly)benzimidazoles**
Kılınçarslan R., Erdem A., Şahin Ç., ÖZDEMİR N., DAYAN O.
JOURNAL OF MOLECULAR STRUCTURE, vol.1, pp.1-10, 2020 (SCI-Expanded)

- XX. **Synthesis, Spectroscopy, X-ray Crystallography and DFT Calculations of (E)-4-[(2-hydroxyphenyl)imino]methyl}phenyl benzenesulfonate**
ÖZDEMİR N., DAYAN O.
JOURNAL OF STRUCTURAL CHEMISTRY, vol.1, no.1, pp.1-10, 2020 (SCI-Expanded)
- XXI. **Simultaneous degradation and reduction of multiple organic compounds by poly(vinyl imidazole) cryogel-templated Co, Ni, and Cu metal nanoparticles**
TERCAN YAVAŞOĞLU M., Demirci S., DAYAN O., ŞAHİNER N.
NEW JOURNAL OF CHEMISTRY, vol.44, no.11, pp.4417-4425, 2020 (SCI-Expanded)
- XXII. **P(2-VP) Supported Ru(II) Material as Catalyst for H₂ Production from the Methanolysis of NaBH₄**
TERCAN M., KARACAN YELDİR E., DAYAN O., ORAL A.
INORGANIC AND NANO-METAL CHEMISTRY, vol.-, pp.1-29, 2020 (SCI-Expanded)
- XXIII. **Synthesis, DFT computations and antimicrobial activity of a Schiff base derived from 2-hydroxynaphthaldehyde: remarkable solvent effect**
TERCAN M., Özdemir N., Özdemir F. A., Şerbetçi Z., ERDENER ÇIRALI D., Çetinkaya B., DAYAN O.
JOURNAL OF MOLECULAR STRUCTURE, vol.1, no.1, pp.1-11, 2020 (SCI-Expanded)
- XXIV. **A neutral arene ruthenium(II) complex with a sulfonated N,O-chelating ligand: Synthesis, characterization, in vitro cytotoxicity and antibacterial activity**
Selvi G., ÖZDEMİR F. A., AYKUTOĞLU G., ÖZDEMİR N., ŞERBETÇİ Z., Cetinkaya B., DAYAN O.
POLYHEDRON, vol.176, 2020 (SCI-Expanded)
- XXV. **Photoresponsivity and photodetectivity properties of copper complex-based photodiode**
DAYAN O., İmer A. G., Al-Sehemi A. G., ÖZDEMİR N., Dere A., Serbetci Z., Al-Ghamdi A. A., Yakuphanoglu F.
JOURNAL OF MOLECULAR STRUCTURE, vol.1200, 2020 (SCI-Expanded)
- XXVI. **Antioxidant Activity of Ruthenium(II) Complexes Containing Tridentate Triamines and Their Capability to Inhibit Xanthine Oxidase**
GEÇİBESLER İ. H., Dayan O., ŞERBETÇİ Z., Demirtas I.
PHARMACEUTICAL CHEMISTRY JOURNAL, vol.53, no.10, pp.914-920, 2020 (SCI-Expanded)
- XXVII. **Structural and Spectroscopic Characterization of N-(2-Amino-4,5-Dichlorophenyl)-N-(Phenylsulfonyl)Benzenesulfonamide: a Joint Experimental and Quantum Chemical Study**
ÖZDEMİR N., DAYAN O.
BRAZILIAN JOURNAL OF PHYSICS, vol.49, no.6, pp.836-845, 2019 (SCI-Expanded)
- XXVIII. **Photosensing properties of ruthenium(II) complex-based photodiode**
İmer A. G., DERE A., Al-Sehemi A. G., DAYAN O., ŞERBETÇİ Z., Al-Ghamdi A. A., YAKUPHANOĞLU F.
APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, vol.125, no.3, 2019 (SCI-Expanded)
- XXIX. **Silicon based photodetector with Ru(II) complexes organic interlayer**
Karabulut A., Dere A., DAYAN O., Al-Sehemi A. G., Serbetci Z., Al-Ghamdi A. A., Yakuphanoglu F.
Materials Science in Semiconductor Processing, vol.91, pp.422-430, 2019 (SCI-Expanded)
- XXX. **Synthesis and DSSC Applications of Ru(II) Complexes Bearing Benzimidazole Type Ligands**
TERCAN YAVAŞOĞLU M., DAYAN O.
JOURNAL OF ELECTRONIC MATERIALS, vol.48, no.1, pp.642-648, 2019 (SCI-Expanded)
- XXXI. **Synthesis, characterization and application of Ru(II) complexes containing pyridinyl ligands for Dye-Sensitized Solar Cells**
DAYAN O., Özdemir N., Yakuphanoglu F., Şerbetçi z., BİLİCİ A.
MATERIALS SCIENCE-POLAND, vol.2019, no.1, pp.1-10, 2019 (SCI-Expanded)
- XXXII. **One-pot stepwise reductive amination reaction by N-coordinate sulfonamido-functionalized Ru(II) complexes in water**
Kayaci N., DAYAN S., ÖZDEMİR N., DAYAN O., ÖZPOZAN N.
APPLIED ORGANOMETALLIC CHEMISTRY, vol.32, no.12, 2018 (SCI-Expanded)
- XXXIII. **One-Pot Stepwise Reductive Amination Reaction by N-Coordinate Sulfonamido Functionalized Ru(II) Complexes in Water**
DAYAN O.
APPLIED ORGANOMETALLIC CHEMISTRY, vol.32, no.12, pp.1-10, 2018 (SCI-Expanded)

- XXXIV. **Synthesis and photovoltaic properties of new Ru(II) complexes for dye-sensitized solar cells**
DAYAN O., Özdemir N., Yakuphanoglu F., Şerbetci Z., BİLİCİ A., Çetinkaya B., TERCAN M.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.29, no.13, pp.11045-11058, 2018 (SCI-Expanded)
- XXXV. **Synthesis, X-ray diffraction method, spectroscopic characterization (FT-IR, H-1 and C-13 NMR), antimicrobial activity, Hirshfeld surface analysis and DFT computations of novel sulfonamide derivatives**
DEMİRÇİOĞLU Z., ÖZDEMİR F. A., DAYAN O., ŞERBETÇİ Z., ÖZDEMİR N.
JOURNAL OF MOLECULAR STRUCTURE, vol.1161, pp.122-137, 2018 (SCI-Expanded)
- XXXVI. **Synthesis, X-ray Diffraction Method, Spectroscopic Characterization (FT-IR, 1H- and 13C-NMR), Antimicrobial Activity, Hirshfeld Surface Analysis and DFT Computations of Novel Sulfonamide Derivatives**
DAYAN O.
JOURNAL OF MOLECULAR STRUCTURE, vol.-, pp.1-10, 2018 (SCI-Expanded)
- XXXVII. **SBA-15-supported N-coordinate ruthenium(II) materials bearing sulfonamide-type ligands: Effect of ligand backbones on catalytic transfer hydrogenation of ketones and aldehydes**
DAYAN S., Kayaci N., ÖZPOZAN N., DAYAN O.
APPLIED ORGANOMETALLIC CHEMISTRY, vol.31, no.9, 2017 (SCI-Expanded)
- XXXVIII. **Syntheses and molecular structures of novel Ru(II) complexes with bidentate benzimidazole based ligands and their catalytic efficiency for oxidation of benzyl alcohol**
DAYAN O., Tercan M., Özdemir N.
JOURNAL OF MOLECULAR STRUCTURE, vol.1123, pp.35-43, 2016 (SCI-Expanded)
- XXXIX. **Single crystal ruthenium(II) complex dye based photodiode**
Tataroğlu A., DAYAN O., Özdemir N., Serbetci Z., Al-Ghamdi A. A., Dere A., El-Tantawy F., Yakuphanoglu F.
Dyes and Pigments, vol.132, pp.64-71, 2016 (SCI-Expanded)
- XL. **Synthesis, structural, and spectroscopic (FT-IR, NMR, and UV) Characterization of 1-(Cyclohexylmethyl)-2-(pyridin-2-yl)-1H-benzo[d]imidazole by experimental techniques and quantum chemical calculations**
ÖZDEMİR N., DAYAN O., DEMİRMEN S.
Optics and Spectroscopy (English translation of Optika i Spektroskopiya), vol.120, no.5, pp.706-720, 2016 (SCI-Expanded)
- XLI. **Investigation of enol-imine/keto-amine tautomerism in (E)-4-[(2-hydroxybenzylidene)amino]phenyl benzenesulphonate by experimental and molecular modelling methods**
Özdemir N., Kaçit R., DAYAN O.
Molecular Physics, vol.114, no.6, pp.757-768, 2016 (SCI-Expanded)
- XLII. **Enol-imine/keto-amine tautomerism of (E)-4-[(2-hydroxybenzylidene)amino]phenyl benzenesulfonate**
DİNÇER M., ÖZDEMİR N., Kaçit R., DAYAN O.
ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES, vol.72, 2016 (SCI-Expanded)
- XLIII. **Palladium(II) and Ruthenium(II) complexes bearing arylsulfonate based ligands: Synthesis, structural characterization and catalytic properties**
KAĞIT R., DAYAN O., Özdemir N.
Polyhedron, vol.117, pp.504-512, 2016 (SCI-Expanded)
- XLIV. **A novel photodiode based on Ruthenium(II) complex containing polydentate pyridine as photocatalyst**
Soylu M., Orak I., DAYAN O., Serbetci Z.
MICROELECTRONICS RELIABILITY, vol.55, no.12, pp.2685-2688, 2015 (SCI-Expanded)
- XLV. **SYNTHESIS OF TETRANUCLEAR RUTHENIUM (II) COMPLEX OF PYRIDYLOXY-SUBSTITUTED 2,2'-DIOXYBIPHENYL-CYCLOTRIPHOSPHAZENE PLATFORM AND ITS CATALYTIC APPLICATION IN THE TRANSFER HYDROGENATION OF KETONES**
CIRALI D., DAYAN O.

PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS, vol.190, no.7, pp.1100-1107, 2015 (SCI-Expanded)

- XLVI. **A new phosphazene derivative, spiro-N3P3[(O2C12H8)(2)(OC6H6N-3)(2)], and its Ru(II) complex: Syntheses, crystal structure, catalytic activity and antimicrobial activity studies**
CIRALI D., DAYAN O., Ozdemir N., HACLOGLU N.
POLYHEDRON, vol.88, pp.170-175, 2015 (SCI-Expanded)
- XLVII. **Palladium(II) complexes bearing bidentate pyridyl-sulfonamide ligands: Synthesis and catalytic applications**
DAYAN S., Cetin A., Arslan N. B., Ozpazan N. K., Ozdemir N., DAYAN O.
POLYHEDRON, vol.85, pp.748-753, 2015 (SCI-Expanded)
- XLVIII. **Heteroleptic ruthenium(II) complexes of 2-(2-pyridyl)benzimidazoles: A study of catalytic efficiency towards transfer hydrogenation of acetophenone**
DAYAN O., Demirmen S., Ozdemir N.
POLYHEDRON, vol.85, pp.926-932, 2015 (SCI-Expanded)
- XLIX. **Synthesis and Characterization of Ruthenium(II) Complexes Bearing Benzimidazole Ligands: For Transfer Hydrogenation Catalysis**
DAYAN O., INAN M. Y.
SYNTHESIS AND REACTIVITY IN INORGANIC METAL-ORGANIC AND NANO-METAL CHEMISTRY, vol.45, no.7, pp.1018-1024, 2015 (SCI-Expanded)
- L. **Synthesis of some ruthenium(II)-Schiff base complexes bearing sulfonamide fragment: New catalysts for transfer hydrogenation of ketones**
DAYAN S., Ozpazan N. K., Ozdemir N., DAYAN O.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.770, pp.21-28, 2014 (SCI-Expanded)
- LI. **Synthesis and characterization of 2,2'-(pyridine-2,6-diyl)bis(1H-benzo[d]imidazol-3-ium) 2,4,6-trimethylbenzenesulfonate chloride by experimental and theoretical methods**
Ozdemir N., DAYAN O., Yavasoglu M., Cetinkaya B.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.131, pp.145-152, 2014 (SCI-Expanded)
- LII. **Direct and solvent-assisted thione-thiol tautomerism in 5-(thiophen-2-yl)-1,3,4-oxadiazole-2(3H)-thione: Experimental and molecular modeling study**
Arslan N. B., Ozdemir N., DAYAN O., Dege N., Koparir M., Koparir P., Muglu H.
CHEMICAL PHYSICS, vol.439, pp.1-11, 2014 (SCI-Expanded)
- LIII. **Synthesis of ruthenium(II) complexes derived from reduced imine ligands: As catalysts for transfer hydrogenation of ketones**
DAYAN S., Kayaci N., Kalaycioglu N. O., DAYAN O., Ozturk E. C.
INORGANICA CHIMICA ACTA, vol.401, pp.107-113, 2013 (SCI-Expanded)
- LIV. **Experimental and molecular modeling investigation of (E)-N-{2-[(2-hydroxybenzylidene)amino]phenyl}benzenesulfonamide**
Ozdemir N., DAYAN S., DAYAN O., Dincer M., Kalaycioglu N. O.
MOLECULAR PHYSICS, vol.111, no.6, pp.707-723, 2013 (SCI-Expanded)
- LV. **Ring-opening metathesis polymerization of bicyclo[2.2.1]hepta-2,5-diene (norbornadiene) initiated by new ruthenium(II) complex**
YALÇINKAYA E. E., DAYAN O., BALCAN M., Guler C.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.127, no.3, pp.1691-1696, 2013 (SCI-Expanded)
- LVI. **Synthesis, spectroscopic characterization, X-ray structure and DFT studies on 2,6-bis(1-benzyl-1H-benzo[d]imidazol-2-yl)pyridine**
Inkaya E., GÜNNAZ S., Ozdemir N., DAYAN O., Dincer M., Cetinkaya B.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.103, pp.255-263, 2013 (SCI-Expanded)
- LVII. **Synthesis and characterization of SiO₂-supported ruthenium complexes containing aromatic sulfonamides: as catalysts for transfer hydrogenation of acetophenone**

- DAYAN S., Kalaycioglu N. O., DAYAN O., Ozdemir N., Dincer M., Buyukgungor O.
DALTON TRANSACTIONS, vol.42, no.14, pp.4957-4969, 2013 (SCI-Expanded)
- LVIII. **Ruthenium(II) complexes bearing pyridine-based tridentate and bidentate ligands: catalytic activity for transfer hydrogenation of aryl ketones**
DAYAN O., DAYAN S., Kani I., Cetinkaya B.
APPLIED ORGANOMETALLIC CHEMISTRY, vol.26, no.12, pp.663-670, 2012 (SCI-Expanded)
- LIX. **Synthesis and catalytic activity of ruthenium(II) complexes containing pyridine-based tridentate triamines ('NNN') and pyridine carboxylate ligands (NO)**
DAYAN O., Ozdemir N., Serbetci Z., Dincer M., Cetinkaya B., Buyukgungor O.
INORGANICA CHIMICA ACTA, vol.392, pp.246-253, 2012 (SCI-Expanded)
- LX. **Copper(II) and cobalt(II) complexes of 2,6-diacetylpyridine bis(O-methyloxime): A theoretical investigation**
Ozdemir N., DAYAN O., Dincer M., ÇETİNKAYA B.
JOURNAL OF STRUCTURAL CHEMISTRY, vol.53, no.2, pp.251-259, 2012 (SCI-Expanded)
- LXI. **Concomitant polymorphism of a pyridine-2,6-dicarboxamide derivative in a single space group: Experimental and molecular modeling study**
Ozdemir N., DAYAN O., Cetinkaya B., AKGÜL C.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.86, pp.614-624, 2012 (SCI-Expanded)
- LXII. **Synthesis of Ruthenium(II) Complexes Containing Tridentate Triamine ('(NNN)over-cap ') and Bidentate Diamine Ligands ((NN)over-cap ') as Catalysts for Transfer Hydrogenation of Ketones**
GÜNNAZ S., Ozdemir N., DAYAN S., DAYAN O., Cetinkaya B.
ORGANOMETALLICS, vol.30, no.15, pp.4165-4173, 2011 (SCI-Expanded)
- LXIII. **Palladium(II) Complexes Containing 2,6-Bis(Imino)Pyridines: Synthesis, Characterization, Thermal Study, and Catalytic Activity in Suzuki Reactions**
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Memberships / Tasks in Scientific Organizations

KİMYAGERLER DERNEĞİ, Member, 2007 - Continues

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Publication: 147

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Non Academic Experience

MEB, ÖGRET MEN