

Prof. Namık Özdemir



Personal Information

Office Phone: [+90 362 312 1919](tel:+903623121919) Extension: 5054

Fax Phone: [+90 362 457 6081](tel:+903624576081)

Email: namiko@omu.edu.tr

Other Email: namik.ozdemir@gmail.com

Web: <https://avesis.omu.edu.tr/namiko>

Address: Ondokuz Mayıs Üniversitesi Kurupelit Kampüsü Fen Fakültesi Fizik Bölümü
55139 Atakum/SAMSUN



International Researcher IDs

ScholarID: pRK48HgAAAAJ

ORCID: 0000-0003-3371-9874

Publons / Web Of Science ResearcherID: J-6434-2015

ScopusID: 8398877200

Yoksis Researcher ID: 35762

Education Information

Doctorate, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, Fizik (Dr), Turkey 2004 - 2010

Postgraduate, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, Fizik (YI) (Tezli), Turkey 2000 - 2003

Undergraduate, Ataturk University, Fen-Edebiyat Fakültesi, Fizik Bölümü, Turkey 1995 - 2000

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Bazı piridin-2,6-diimin metal komplekslerinin kristal ve moleküler yapılarının deneysel ve teorik yöntemlerle incelenmesi, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, Fizik (Dr), 2010

Postgraduate, Tek kristal x-ışınları kırınımı yöntemiyle C₁₅H₁₃CIN₄O, C₂₁H₁₉NO₃ ve C₂₁H₂₀N₂O₃ moleküllerinin kristal yapı analizleri, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, Fizik (YI) (Tezli), 2003

Research Areas

Catalysis and Catalytic Processes, Physics, Structure of Liquids and Solids; Crystallography, Electrical properties of electronic structures, interfaces, thin films and low-dimensional structures, Catalysis, Coordination Chemistry, Organic Spectroscopy, Organometallics

Academic Titles / Tasks

Professor, Ondokuz Mayıs University, Fen Fakültesi, Fizik Bölümü, 2024 - Continues

Associate Professor, Ondokuz Mayıs University, Eğitim Fakültesi, Matematik Ve Fen Bilimleri Eğitimi Bölümü, 2016 - 2024

Research Assistant, Ondokuz Mayıs University, Fen Fakültesi, Fizik Bölümü, 2010 - 2016

Research Assistant, Ondokuz Mayıs University, Lisansüstü Eğitim Enstitüsü, Fizik Anabilim Dalı, 2006 - 2010

Academic and Administrative Experience

Head of Department, Ondokuz Mayıs University, Fen Fakültesi, Fizik Bölümü, 2024 - Continues

Deputy Head of Department, Ondokuz Mayıs University, Eğitim Fakültesi, Matematik Ve Fen Bilimleri Eğitimi Bölümü, 2020 - 2022

Courses

FZAE101 Mekanik 1, Undergraduate, 2022 - 2023, 2021 - 2022, 2019 - 2020

FZAE103 Mekanik Laboratuvarı I, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020

TBFİZ123 Fizik I, Undergraduate, 2022 - 2023

TBFİZ113 Fizik I, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020

FZAE104 Mekanik Laboratuvarı II, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020

FZAE102 Mekanik II, Undergraduate, 2021 - 2022, 2020 - 2021

TBFİZ116 Fizik II, Undergraduate, 2020 - 2021

TBFİZ115 Fizik I, Undergraduate, 2020 - 2021

TBFİZ107 Fizik I, Undergraduate, 2020 - 2021, 2019 - 2020

FZAE101 Mekanik I, Undergraduate, 2020 - 2021

FBÖ416 Öğretmenlik Uygulaması, Undergraduate, 2019 - 2020

TBFİZ114 Fizik II, Undergraduate, 2019 - 2020

FZO403 Atom ve Moleküler Fiziği I, Undergraduate, 2018 - 2019, 2017 - 2018

FFİ860 Uzmanlık Alan Dersi II, Postgraduate, 2018 - 2019, 2017 - 2018

İMÖ406 Öğretmenlik Uygulaması, Undergraduate, 2018 - 2019

TBFİZ105 Fizik I, Undergraduate, 2018 - 2019, 2017 - 2018

TBFİZ106 Fizik II, Undergraduate, 2018 - 2019, 2017 - 2018

FFİ859 Uzmanlık Alan Dersi I, Postgraduate, 2018 - 2019

FZO305 Fizikte Matematik Yöntemleri I, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017

EGT412 Öğretmenlik Uygulaması, Undergraduate, 2017 - 2018

SNÖ210 Fen ve Teknoloji Laboratuvar Uygulamaları II, Undergraduate, 2017 - 2018

FZÖ506 Öğretmenlik Uygulaması, Undergraduate, 2017 - 2018, 2016 - 2017

FZÖ404 Klasik Mekanik, Undergraduate, 2016 - 2017

FZO303 İstatistik Fizik, Undergraduate, 2016 - 2017

FZÖ505 Okul Deneyimi, Undergraduate, 2016 - 2017

FZÖ403 İstatistik Fizik, Undergraduate, 2016 - 2017

FZO304 Klasik Mekanik, Undergraduate, 2016 - 2017

Advising Theses

Özdemir N., INVESTIGATION OF SOME ORGANIC HYDROXY-SUBSTITUTED SALICYLALDEHYDE THIOSEMICARBAZONE ISOMERS BY EXPERIMENTAL AND THEORETICAL METHODS, Postgraduate, E.ŞEN(Student), 2019

- I. **Characterization of the synthesized diaqua-bis(indazole-κN2)bis (nitrate-κO)zinc(II) complex and DFT calculations**
Kucuk C., Celik S., Yurdakul S., Özdemir N., Bülbül H.
JOURNAL OF MOLECULAR STRUCTURE, vol.1304, 2024 (SCI-Expanded)
- II. **Palladium(II) complexes bearing thioether-NHC ligand: Synthesis, characterization, and their application in Suzuki-Miyaura coupling**
Efecik A., Fırıncı R., Özdemir N., Bülbül H., Günay M. E.
INORGANICA CHIMICA ACTA, vol.563, 2024 (SCI-Expanded)
- III. **Synthesis of palladium complexes containing benzimidazole core and their catalytic activities in direct arylation of heteroaromatic species**
Seker S., Ulu O. D., GÜRBÜZ N., Özdemir N., ÖZDEMİR İ., Bülbül H.
JOURNAL OF COORDINATION CHEMISTRY, 2024 (SCI-Expanded)
- IV. **Catalytic and biological properties of palladium(II) complexes with bidentate Schiff base ligands**
Ozgun G. K., Dervisoglu G., Ozdemir F. A., Özdemir N., Serbetci Z., DAYAN O.
APPLIED ORGANOMETALLIC CHEMISTRY, vol.38, no.2, 2024 (SCI-Expanded)
- V. **Novel Benzotriazole-β-lactam Derivatives as Antimalarial Agents: Design, Synthesis, Biological Evaluation and Molecular Docking Studies**
Aye M., Jarrahpour A., Haghhighijoo Z., Heiran R., Pournajati R., Karbalaee-Heidari H. R., Sinou V., Brunel J. M., AKKURT M., Oezdemir N., et al.
CHEMISTRY & BIODIVERSITY, vol.21, no.2, 2024 (SCI-Expanded)
- VI. **Synthesis, crystal structure and spectroscopic studies of a new silver complex derived from [1-(3-pyridinyl) ethanone]**
Celik S., Atilgan A., Alp M., Yurdakul S., Demircioğlu Z., Özdemir N., Büyükgüngör O.
JOURNAL OF MOLECULAR STRUCTURE, vol.1294, 2023 (SCI-Expanded)
- VII. **New indolo-β-lactam hybrids as potential anticancer and anti-inflammatory agents**
Ghaffari S., Jarrahpour A., Özdemir N., Brunel J. M., Rastegari B., Riazimontazer E., Turos E.
MEDICINAL CHEMISTRY RESEARCH, vol.32, no.12, pp.2516-2534, 2023 (SCI-Expanded)
- VIII. **AN IMIDAZOLIDIN-2-YLIDENE-BASED Pd-PEPPSI COMPLEX: AN EXPERIMENTAL AND THEORETICAL APPROACH**
Özdemir N., Kaloğlu M., Özdemir İ.
JOURNAL OF STRUCTURAL CHEMISTRY, vol.64, no.11, pp.2120-2129, 2023 (SCI-Expanded)
- IX. **EXPERIMENTAL AND THEORETICAL CHARACTERIZATION OF 3-(3,5-DIMETHYLBENZYL)-1-METHYL-3,4,5,6-TETRAHYDROPYRIMIDINIUM TRICHLORIDO(η⁶-p-CYMENE)RUTHENATE(II)**
Özdemir N., Karaca E. Ö., Gürbüz N., Özdemir İ.
JOURNAL OF STRUCTURAL CHEMISTRY, vol.64, no.11, pp.2167-2177, 2023 (SCI-Expanded)
- X. **Antimicrobial activities of bis-(N-alkylbenzimidazole)-cobalt(II) and zinc (II) complexes**
Şahin N., Üstün E., Özdemir İ., Günel S., Özdemir N., Bülbül H., Gürbüz N., Özdemir İ., Sémeril D.
INORGANIC CHEMISTRY COMMUNICATIONS, vol.157, 2023 (SCI-Expanded)
- XI. **Benzimidazol-2-ylidene Silver Complexes: Synthesis, Characterization, Antimicrobial and Antibiofilm Activities, Molecular Docking and Theoretical Investigations**
Tutar U., Çelik C., Üstün E., Özdemir N., Şahin N., Sémeril D., Gürbüz N., Özdemir İ.
INORGANICS, vol.11, no.10, 2023 (SCI-Expanded)
- XII. **Ruthenium, rhodium and iridium complexes of a silyl-substituted N-heterocyclic carbene ligand and their catalytic performance in hydrosilylation of terminal alkynes**
MUMCU A., KARATAŞ M. O., Özdemir N., ERDOĞAN A., KÜÇÜKBAY H.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.997, 2023 (SCI-Expanded)
- XIII. **Synthesis, crystal structure, DFT studies and catalytic activity of an N-(2,2-dimethyl-1,3-dioxolane-4-yl-methyl)benzimidazole ruthenium(II) hydrate complex**
Özdemir N., Karabekmez F. D., KARACA E. Ö., GÜRBÜZ N., ÖZDEMİR İ.
JOURNAL OF MOLECULAR STRUCTURE, vol.1281, 2023 (SCI-Expanded)
- XIV. **Synthesis, experimental and theoretical characterization of an unsymmetrical bis-benzimidazolium**

nitrate salt

Özdemir N., KARATAŞ M. O., KÜÇÜKBAY H.

MOLECULAR CRYSTALS AND LIQUID CRYSTALS, vol.758, no.1, pp.25-35, 2023 (SCI-Expanded)

- XV. **Biological determination, molecular docking and Hirshfeld surface analysis of rhodium(I)-N-heterocyclic carbene complex: Synthesis, crystal structure, DFT calculations, optical and non linear optical properties**
Zouaghi M. O., Amri N., Hassen S., Arfaoui Y., Özdemir N., ÖZDEMİR İ., Hamdi N.
INORGANICA CHIMICA ACTA, vol.551, 2023 (SCI-Expanded)
- XVI. **Synthesis, crystallographic structure, theoretical analysis, molecular docking studies, electronic properties and biological activity evaluation of ruthenium-complex bearing N-heterocyclic carbene ligand**
Slimani I., Amri N., Mukhrish Y. E., GÜRBÜZ N., ÖZDEMİR İ., Ghalla H., Özdemir N., Mansour L., Hamdi N.
NEW JOURNAL OF CHEMISTRY, vol.47, no.24, pp.11708-11722, 2023 (SCI-Expanded)
- XVII. **Structural and spectroscopic characterization, electronic properties, and biological activity of the 4-(3-methoxyphenyl)piperazin-1-ium 4-(3-methoxyphenyl)piperazine-1-carboxylate monohydrate**
Kucuk C., YURDAKUL Ş., Özdemir N., ERDEM B.
CHEMICAL PAPERS, vol.77, no.5, pp.2793-2815, 2023 (SCI-Expanded)
- XVIII. **Synthesis of a cationic ruthenium(ii) complex and its non-enzymatic glucose-sensing properties**
DAYAN S., Özdemir N., ERDENER ÇIRALI D., DAYAN O., cetinkaya B.
NEW JOURNAL OF CHEMISTRY, vol.47, pp.10187-10194, 2023 (SCI-Expanded)
- XIX. **Crystal structure, vibrational spectroscopy, ¹H NMR, and DFT analyses with antibacterial activity studies on silver nitrate complex of 5-iodoindole**
Kucuk C., YURDAKUL Ş., Özdemir N., ERDEM B.
INORGANIC CHEMISTRY COMMUNICATIONS, vol.150, 2023 (SCI-Expanded)
- XX. **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 YAVAŞOĞLU M., DAYAN O., Özdemir N.
POLYHEDRON, vol.232, 2023 (SCI-Expanded)
- XXI. **Synthesis, Experimental and Theoretical Characterization of (μ₄-oxo)hexakis(μ₂-chloro)-tetrakis[1-(allyl)-1H-imidazole]tetracopper(II)**
Özdemir N., Fırınçı R., Günay M. E.
CROATICA CHIMICA ACTA, vol.96, no.1, pp.1-8, 2023 (SCI-Expanded)
- XXII. **A hydrazine-bridged dinuclear ruthenium complex: Structural properties and biological activity**
ERDENER ÇIRALI D., Dervisoglu G., ÖZDEMİR F. A., ŞERBETÇİ Z., Özdemir N., DAYAN O.
JOURNAL OF MOLECULAR STRUCTURE, vol.1272, 2023 (SCI-Expanded)
- XXIII. **Cu(I)-N-heterocyclic carbene complexes bearing a naphthyl substituent: synthesis, characterization, and antimicrobial activities**
Tokatli A., Demir B., Kiliç N., Kurt Kızıldoğan A., Otur Ç., Kiliçarslan R., Karakaş H., Özdemir N., Bülbül H.
JOURNAL OF COORDINATION CHEMISTRY, vol.76, no.13-15, pp.1745-1762, 2023 (SCI-Expanded)
- XXIV. **Benzimidazol-2-ylidene ruthenium complexes for C-N bond formation through alcohol dehydrogenation**
Nawaz Z., Gürbüz N., Zafar M. N., Özdemir N., Çetinkaya B., Özdemir İ.
TURKISH JOURNAL OF CHEMISTRY, vol.47, no.5, pp.1209-1223, 2023 (SCI-Expanded)
- XXV. **N,S-heterocyclic carbene containing benzothiazol-2-ylidene-Ru(II) and Pd(II) new complexes functionalized with butyl linked carbazole moiety: Synthesis, characterization and their catalytic efficiency and electropolymerizations**
Karakas H., Guzel M., AK M., KILINÇARSLAN R., Özdemir N.
EUROPEAN POLYMER JOURNAL, vol.181, 2022 (SCI-Expanded)
- XXVI. **Cu(II)(PhOMe-Salophen) Complex: Greener Pasture Biological Study, XRD/HAS Interactions, and MEP**

- Sengupta U, Periyasamy M, Mukhopadhyay S, Hasija A, Chopra D, oezdemir N, Said M. A., Bera M. K.
RUSSIAN JOURNAL OF INORGANIC CHEMISTRY, vol.67, no.SUPPL 2, 2022 (SCI-Expanded)
- XXVII. **Silyl-functionalised silver rhodium and iridium N-heterocyclic carbene complexes with promising cytotoxicity and antimicrobial potential**
KARATAŞ M. O., Keskin T., Özdemir N., KÜÇÜKBAY H., TEKİN S., Mansur A., GÜNAL S., SANDAL S.
INORGANIC CHEMISTRY COMMUNICATIONS, vol.146, 2022 (SCI-Expanded)
- XXVIII. **Synthesis, crystal structures, DFT calculations, and catalytic application in hydrosilylation of acetophenone derivatives with triethylsilane of novel rhodium-N-heterocyclic carbene (NHCs) complex**
Hassen S., Zouaghi M. O., Slimani I., Arfaoui Y., Özdemir N., ÖZDEMİR İ., GÜRBÜZ N., Mansour L., Gatri R., Hamdi N.
JOURNAL OF MOLECULAR STRUCTURE, vol.1265, 2022 (SCI-Expanded)
- XXIX. **Synthesis, spectroscopic characterization and antimicrobial properties of silyl-tethered benzimidazolium salts**
YIĞİT M., ŞİRECI N., GÜNAL S., Onderci M., Özdemir N., Arinc A., YIĞİT B., ÖZDEMİR İ.
JOURNAL OF MOLECULAR STRUCTURE, vol.1264, 2022 (SCI-Expanded)
- XXX. **Synthesis, in-vitro biological evaluation, and molecular docking study of novel spiro-beta-lactam-isatin hybrids**
Jarrahpour A., Jowkar Z., Haghhighijoo Z., Heiran R., Rad J. A., Sinou V., Rouvier F., Latour C., Brunel J. M., Özdemir N.
MEDICINAL CHEMISTRY RESEARCH, vol.31, no.6, pp.1026-1034, 2022 (SCI-Expanded)
- XXXI. **Substituted *N*-heterocyclic carbene PEPSI-type palladium complexes with different *N*-coordinated ligands: Involvement in the direct C-H bond activation of heteroarenes derivatives with aryl bromide and their antimicrobial, anti-inflammatory and antioxidant activities**
Slimani I., Boubakri L., Özdemir N., Mansour L., ÖZDEMİR İ., GÜRBÜZ N., YAŞAR S., Sauthier M., Hamdi N.
INORGANICA CHIMICA ACTA, vol.532, 2022 (SCI-Expanded)
- XXXII. **Synthesis, characterization, crystal structure, Hirshfeld surface analysis, and theoretical study on a N-heterocyclic carbene salt and two NHC-palladium complexes**
Özdemir N., KALOĞLU M., Kaloglu N., GÜRBÜZ N., ÖZDEMİR İ.
INORGANIC AND NANO-METAL CHEMISTRY, vol.52, no.4, pp.493-504, 2022 (SCI-Expanded)
- XXXIII. **New benzimidazolium N-heterocyclic carbene precursors and their related Pd-NHC complex PEPSI-type: Synthesis, structures, DFT calculations, biological activity, docking study, and catalytic application in the direct arylation**
Sandeli A. E., Boulebd H., Khiri-Meribout N., Benzerka S., Bensouici C., Özdemir N., GÜRBÜZ N., ÖZDEMİR İ.
JOURNAL OF MOLECULAR STRUCTURE, vol.1248, 2022 (SCI-Expanded)
- XXXIV. **4,5-Dihydro-imidazol-2-ylidene-linked palladium complexes as catalysts for the direct C-H bond arylation of azoles**
KALOĞLU M., Özdemir N., ÖZDEMİR İ.
APPLIED ORGANOMETALLIC CHEMISTRY, 2022 (SCI-Expanded)
- XXXV. **Activity analysis of new N-heterocyclic carbenes and silver N-heterocyclic carbene molecules against novel coronavirus by UV-vis, fluorescence spectroscopy and molecular docking**
ÜSTÜN E., Özdemir N., ŞAHİN N.
JOURNAL OF COORDINATION CHEMISTRY, vol.74, no.21-24, pp.3109-3126, 2021 (SCI-Expanded)
- XXXVI. **Biologically active acylthioureas and their Ni(II) and Cu(II) Complexes: Structural, spectroscopic, anti-proliferative, nucleolytic and antimicrobial studies**
Oyeka E. E., BABAHAN İ., Eboma B., Ifeanyieze K. J., Okpareke O. C., Coban E. P., ÖZMEN A., ÇOBAN B., AKSEL M., Özdemir N., et al.
INORGANICA CHIMICA ACTA, vol.528, 2021 (SCI-Expanded)
- XXXVII. **Synthesis of new Pd(NHC)-PEPSI type complexes as catalysts toward C-C cross-coupling reactions**
Nawaz Z., GÜRBÜZ N., Zafar M. N., Özdemir N., Habib U., Jan K., ÖZDEMİR İ.
JOURNAL OF MOLECULAR STRUCTURE, vol.1243, 2021 (SCI-Expanded)
- XXXVIII. **Synthesis, characterization, antimicrobial and antibiofilm activity, and molecular docking analysis of NHC precursors and their Ag-NHC complexes**

- ÜSTÜN E., ŞAHİN N., ÇELİK C., TUTAR U., Özdemir N., GÜRBÜZ N., ÖZDEMİR İ.
DALTON TRANSACTIONS, vol.50, no.42, pp.15400-15412, 2021 (SCI-Expanded)
- XXXIX. **Supramolecular Ni(II) complex aggregates with a circular linkage of intermolecular multi-hydrogen bonding frameworks based on thiosemicarbazone, and a Cu(II) complex: Synthesis, structural, DFT, electrochemical and antioxidant studies**
AVCU ALTIPARMAK E., YAZAR AYDOĞAN S., Özdemir N., BAL DEMİRCİ T., ÜLKÜSEVEN B.
POLYHEDRON, vol.209, 2021 (SCI-Expanded)
- XL. **The direct C(sp²)-H functionalization and coupling of aromatic N-heterocycles with (hetero)aryl bromides by [PdX₂(imidazolidin-2-ylidene)(Py)] catalysts**
KALOĞLU M., Slimani I., Özdemir N., GÜRBÜZ N., Hamdi N., ÖZDEMİR İ.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.951, 2021 (SCI-Expanded)
- XL1. **Synthesis, structures, DFT calculations, and catalytic application in the direct arylation of five-membered heteroarenes with aryl bromides of novel palladium-N-heterocyclic carbene PEPPSI-type complexes**
Sandeli A. e., Khiri-Meribout N., Benzerka S., Boulebd H., GÜRBÜZ N., Özdemir N., ÖZDEMİR İ.
NEW JOURNAL OF CHEMISTRY, vol.45, no.38, pp.17878-17892, 2021 (SCI-Expanded)
- XLII. **Water-soluble silver(I) complexes with N-donor benzimidazole ligands containing an imidazolium core: stability and preliminary biological studies**
KARATAŞ M. O., Özdemir N., Sariman M., GÜNAL S., Ulukaya E., ÖZDEMİR İ.
DALTON TRANSACTIONS, no.33, pp.11596-11603, 2021 (SCI-Expanded)
- XLIII. **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., Özdemir N., ŞERBETÇİ Z., Dincer M., DAYAN O.
INORGANIC AND NANO-METAL CHEMISTRY, vol.51, no.12, pp.1697-1706, 2021 (SCI-Expanded)
- XLIV. **Silver (I)-N-heterocyclic carbene complexes: Synthesis and characterization, biological evaluation of Anti-Cholinesterase, anti-alpha-amylase, anti-lipase, and antibacterial activities, and molecular docking study**
Sandeli A. E., Khiri-Meribout N., Benzerka S., GÜRBÜZ N., DÜNDAR M., Karci H., Bensouici C., Mokrani E. H., ÖZDEMİR İ., KOÇ A., et al.
INORGANICA CHIMICA ACTA, vol.525, 2021 (SCI-Expanded)
- XLV. **Synthesis and characterization of the N-heterocyclic carbene ligand (NHC) precursors bearing long-alkyl chain substituent and the corresponding Ru(II)-carbene complexes for transfer hydrogenation catalysts**
Ertugrul E., FIRINCI R., Özdemir N., GÜNAY M. E.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.948, 2021 (SCI-Expanded)
- XLVI. **Synthesis, crystal structures and catalytic activities of palladium complexes with coumarin-functionalised N-heterocyclic carbene ligands**
Akpunar C., Özdemir N., KARATAŞ M. O., ALICI B., ÖZDEMİR İ.
INORGANIC CHEMISTRY COMMUNICATIONS, vol.131, 2021 (SCI-Expanded)
- XLVII. **Spectroscopic and Theoretical Studies and Intramolecular Proton Transfer in (Z)-2-Hydroxy-6-(((2-methoxy-5-(trifluoromethyl)phenyl)amino)methylene)cyclohexa-2,4-dien-1-one**
Özdemir Tarı G., Kirca B. K., Tasdogan M., Özdemir N., Ağar E.
RUSSIAN JOURNAL OF PHYSICAL CHEMISTRY A, vol.95, no.8, pp.1621-1631, 2021 (SCI-Expanded)
- XLVIII. **The first use of [PdBr₂(imidazolidin-2-ylidene)(pyridine)] catalysts in the direct C-H bond arylation of C2-substituted furan and thiophene**
KALOĞLU M., Kaloglu N., Özdemir N., ÖZDEMİR İ.
RESEARCH ON CHEMICAL INTERMEDIATES, vol.47, no.7, pp.2821-2843, 2021 (SCI-Expanded)
- XLIX. **Synthesis, characterization and catalytic activity of N-heterocyclic carbene ligated Schiff base palladacycles**
BABAHAN İ., FIRINCI R., Özdemir N., Gunay M. E.
INORGANICA CHIMICA ACTA, vol.522, 2021 (SCI-Expanded)

- L. **Half-sandwich Ru(II) arene complexes bearing benzimidazole ligands for the N-alkylation reaction of aniline with alcohols in a solvent-free medium**
Cicek M., GÜRBÜZ N., Özdemir N., ÖZDEMİR İ., İSPİR E.
NEW JOURNAL OF CHEMISTRY, vol.45, no.25, pp.11075-11085, 2021 (SCI-Expanded)
- LI. **Experimental and quantum mechanical investigation on two N-heterocyclic carbene palladium complexes**
Özdemir N., Touj N., YAŞAR S., Hamdi N., ÖZDEMİR İ.
MOLECULAR CRYSTALS AND LIQUID CRYSTALS, vol.714, no.1, pp.26-36, 2021 (SCI-Expanded)
- LII. **Catalytic and biological activities of homoleptic palladium(II) complexes bearing the 2-aminobenzothiazole moiety**
DAYAN S., Tercan M., Özdemir F. A., Aykutoğlu G., Özdemir N., Şerbetçi Z., Dinçer M., DAYAN O.
POLYHEDRON, 2021 (SCI-Expanded)
- LIII. **Synthesis of [PdBr₂(benzimidazole-2-ylidene)(pyridine)] complexes and their catalytic activity in the direct C-H bond activation of 2-substituted heterocycles**
Lasmari S., GÜRBÜZ N., Boulcina R., Özdemir N., ÖZDEMİR İ.
POLYHEDRON, vol.199, 2021 (SCI-Expanded)
- LIV. **Pd-PEPSI: X-ray Structure, Spectroscopic Analyses, and Quantum Mechanical Studies**
Kilic-Cikla I., ŞAHİN N., Özdemir N., GÜRBÜZ N., ÖZDEMİR İ.
RUSSIAN JOURNAL OF PHYSICAL CHEMISTRY A, vol.95, no.SUPPL 1, 2021 (SCI-Expanded)
- LV. **Comparative structural, spectroscopic and nonlinear optical analysis of a Schiff base compound with experimental and theoretical methods (HF, B3LYP and WB97X-D)**
EVECEN M., TANAK H., Alaman Ağar A., Meral S., Özdemir N.
OPTİK, vol.228, 2021 (SCI-Expanded)
- LVI. **The synthesis of new PEPSI-type N-heterocyclic carbene (NHC)-Pd(II) complexes bearing long alkyl chain as precursors for the synthesis of NHC-stabilized Pd(0) nanoparticles and their catalytic applications**
Arici H., Sundu B., FIRINCI R., Ertugrul E., Özdemir N., Cetinkaya B., Metin O., GÜNAY M. E.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.934, 2021 (SCI-Expanded)
- LVII. **The preparation of new palladium (II) complexes with Schiff base type ligands and its impregnated Al(2)O(3) materials: As the catalysts for degradation/reduction of organic dyes**
Selvi G., TERCAN YAVAŞOĞLU M., Özdemir N., DAYAN O.
APPLIED ORGANOMETALLIC CHEMISTRY, vol.34, no.12, 2020 (SCI-Expanded)
- LVIII. **Synthesis, thermal, electrochemical and catalytic behavior toward transfer hydrogenation investigations of the half-sandwich Ru-II complexes with 2-(2'-quinolyl)benzimidazoles**
Erdem A., KILINÇARSLAN R., ŞAHİN Ç., DAYAN O., Özdemir N.
JOURNAL OF MOLECULAR STRUCTURE, vol.1220, 2020 (SCI-Expanded)
- LIX. **Synthesis of ferrocenyl imidazolium salts and their novel PEPSI-type N-heterocyclic carbene (NHC) palladium complexes**
Yenisar B., Firinei R., Özdemir N., Gunay M. E.
INORGANICA CHIMICA ACTA, vol.511, 2020 (SCI-Expanded)
- LX. **SYNTHESIS, SPECTROSCOPY, X-RAY CRYSTALLOGRAPHY, AND DFT CALCULATIONS OF (E)-4-[(2-HYDROXYPHENYL) IMINO]METHYL}PHENYL BENZENESULFONATE**
Ozdemi N., Dayan O.
JOURNAL OF STRUCTURAL CHEMISTRY, vol.61, no.10, pp.1575-1584, 2020 (SCI-Expanded)
- LXI. **Palladium(II) complexes assembled on solid materials: as catalysts for the -NO₂ (nitro) to -NH₂ (amine) reactions**
DAYAN S., Kayaci N., Özdemir N., DAYAN O., ÖZPOZAN N.
MONATSHEFTE FÜR CHEMIE, vol.151, no.10, pp.1533-1548, 2020 (SCI-Expanded)
- LXII. **Synthesis, characterization and application of Ru(II) complexes containing pyridil ligands for dye-sensitized solar cells**
DAYAN O., Özdemir N., YAKUPHANOĞLU F., ŞERBETÇİ Z., BİLİCİ A.

MATERIALS SCIENCE-POLAND, vol.38, no.3, pp.450-458, 2020 (SCI-Expanded)

- LXIII. **Synthesis, structural, cytotoxic and pharmacokinetic evaluation of some thiosemicarbazone derivatives**
Suleymanoglu M., KURUCA D. S., BAL DEMİRCİ T., Özdemir N., ÜLKÜSEVEN B., Yaylim I.
JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, vol.34, no.8, 2020 (SCI-Expanded)
- LXIV. **Synthesis, antimicrobial properties, and theoretical analysis of benzimidazole-2-ylidene silver(I) complexes**
DEMİR DÜŞÜNCELİ S., Ayaz D., ÜSTÜN E., GÜNAL S., Özdemir N., Dincer M., ÖZDEMİR İ.
JOURNAL OF COORDINATION CHEMISTRY, vol.73, no.13, pp.1967-1986, 2020 (SCI-Expanded)
- LXV. **First used of Alkylbenzimidazole-Cobalt(II) complexes as a catalyst for the N -Alkylation of amines with alcohols under solvent -free medium**
ŞAHİN N., Yıldırım İ., Özdemir N., GÜRBÜZ N., ÖZDEMİR İ.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, 2020 (SCI-Expanded)
- LXVI. **Synthesis, DFT computations and antimicrobial activity of a Schiff base derived from 2-hydroxynaphthaldehyde: Remarkable solvent effect**
TERCAN YAVAŞOĞLU M., Özdemir N., ÖZDEMİR F. A., ŞERBETÇİ Z., ERDENER ÇIRALI D., Cetinkaya B., DAYAN O.
JOURNAL OF MOLECULAR STRUCTURE, vol.1209, 2020 (SCI-Expanded)
- LXVII. **Palladium-carbene catalyzed direct arylation of five-membered heteroaromatics**
KALOĞLU M., Kaloglu N., Ylirim I., Özdemir N., ÖZDEMİR İ.
JOURNAL OF MOLECULAR STRUCTURE, vol.1206, 2020 (SCI-Expanded)
- LXVIII. **Cu(ii) salen and 1,2,4-triazole complexes from thiosemicarbazone: synthesis, physicochemical and structural properties and cytotoxic activities**
AVCU ALTIPARMAK E., Erdemir G., Özdemir N., Kuruca S. E., BAL DEMİRCİ T.
NEW JOURNAL OF CHEMISTRY, vol.44, no.14, pp.5333-5342, 2020 (SCI-Expanded)
- LXIX. **Investigations of antiproliferative and antioxidant activity of beta-lactam morpholino-1,3,5-triazine hybrids**
Ranjbari S., Behzadi M., Sepehri S., Aseman M. D., Jarrahpour A., Mohkam M., Ghasemi Y., Akbarizadeh A. R., Kianpour S., Atioglu Z., et al.
BIOORGANIC & MEDICINAL CHEMISTRY, vol.28, no.8, 2020 (SCI-Expanded)
- LXX. **Thiosemicarbazone ligand, nickel(II) and ruthenium(II) complexes based on vitamin B6 vitamer: The synthesis, different coordination behaviors and antioxidant activities**
BAL DEMİRCİ T., GÜVELİ Ş., Yeşilyurt S., Özdemir N., ÜLKÜSEVEN B.
INORGANICA CHIMICA ACTA, 2020 (SCI-Expanded)
- LXXI. **Well-defined PEPSI-themed palladium-NHC complexes: synthesis, and catalytic application in the direct arylation of heteroarenes**
KALOĞLU M., GÜRBÜZ N., Ylirim I., Özdemir N., ÖZDEMİR İ.
APPLIED ORGANOMETALLIC CHEMISTRY, vol.34, no.2, 2020 (SCI-Expanded)
- LXXII. **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., Özdemir N., ŞERBETÇİ Z., Cetinkaya B., DAYAN O.
POLYHEDRON, vol.176, 2020 (SCI-Expanded)
- LXXIII. **Photoresponsivity and photodetectivity properties of copper complex-based photodiode**
DAYAN O., Gencer Imer A., Al-Sehemi A. G., Özdemir N., Dere A., Şerbetçi Z., Al-Ghamdi A. A., Yakuphanoglu F.
JOURNAL OF MOLECULAR STRUCTURE, 2020 (SCI-Expanded)
- LXXIV. **Nickel (II) complex [NiCl₂(DMF)(2)L-2] bearing diaminobenzene and sulfonamide: Crystal structure and catalytic application in the reduction of nitrobenzenes**
DAYAN S., Kayaci N., DAYAN O., Özdemir N., ÖZPOZAN N.
POLYHEDRON, vol.175, 2020 (SCI-Expanded)
- LXXV. **New Chalcone Derivative: Synthesis, Characterization, Computational Studies and Antioxidant Activity**
USTABAŞ R., SÜLEYMANOĞLU N., Özdemir N., KAHRİMAN N., BEKTAŞ E., ÜNVER Y.

- LETTERS IN ORGANIC CHEMISTRY, vol.17, no.1, pp.46-53, 2020 (SCI-Expanded)
- LXXXVI. **N-heterocyclic carbene palladium complexes with different N-coordinated ligands: Comparison of their catalytic activities in Suzuki-Miyaura and Mizoroki-Heck reactions**
KARATAŞ M. O., Özdemir N., ALICI B., ÖZDEMİR İ.
POLYHEDRON, vol.176, 2020 (SCI-Expanded)
- LXXXVII. **Synthesis, Spectroscopy, X-ray Crystallography, and DFT Studies of Dichlorobis[1-(allyl)-1H-imidazole-kappa N-3]copper(II)**
Yildirim I., FIRINCI R., Gunay M. E., Özdemir N.
RUSSIAN JOURNAL OF PHYSICAL CHEMISTRY A, vol.93, no.13, pp.2758-2764, 2019 (SCI-Expanded)
- LXXXVIII. **Structural and Spectroscopic Characterization of N-(2-Amino-4,5-Dichlorophenyl)-N-(Phenylsulfonyl)Benzenesulfonamide: a Joint Experimental and Quantum Chemical Study**
Özdemir N., DAYAN O.
BRAZILIAN JOURNAL OF PHYSICS, vol.49, no.6, pp.836-845, 2019 (SCI-Expanded)
- LXXXIX. **Molecular structure, spectroscopic and density functional studies on 2-[(5-nitrothiophen-2-yl)methylidene]amino}phenol**
Tanak H., Semiz L., Kocak F., Alaman Ağar A., Özdemir N.
OPTİK, vol.195, 2019 (SCI-Expanded)
- LXXX. **Inhibition of paraoxonase 1 by coumarin-substituted N-heterocyclic carbene silver(I), ruthenium(II) and palladium(II) complexes**
KARATAŞ M. O., Calgin G., ALICI B., GÖKÇE B., GENÇER N., TAŞKIN TOK T., ARSLAN O., Kilic-Cikla I., Özdemir N.
APPLIED ORGANOMETALLIC CHEMISTRY, vol.33, no.10, 2019 (SCI-Expanded)
- LXXXI. **The formation of a metallocupramolecular porous helicate through salicylaldehydethiosemicarbazone: Synthesis, Characterization, Cytotoxic activity, DNA binding and DFT calculations**
AVCU ALTIPARMAK E., Eroglu G. O., ÖZÇELİK KAZANCIOĞLU E., Özdemir N., KURUCA D. S., ARSU N., ÜLKÜSEVEN B., BAL DEMİRCİ T.
APPLIED ORGANOMETALLIC CHEMISTRY, vol.33, no.9, 2019 (SCI-Expanded)
- LXXXII. **Palladium(II) and ruthenium(II) complexes of benzotriazole functionalized N-heterocyclic carbenes: Cytotoxicity, antimicrobial, and DNA interaction studies**
Onar G., GÜRSES C., KARATAŞ M. O., Balcioglu S., AKBAY N., Özdemir N., ATEŞ B., ALICI B.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.886, pp.48-56, 2019 (SCI-Expanded)
- LXXXIII. **Microwave-assisted synthesis of 1-substituted-1H-benzimidazolium salts: Non-competitive inhibition of human carbonic anhydrase I and II**
Karlık O., GENÇER N., KARATAŞ M. O., ERGÜN A., Cıkrıkci K., ARSLAN O., ALICI B., Kilic-Cikla I., Özdemir N.
ARCHIV DER PHARMAZIE, vol.352, no.4, 2019 (SCI-Expanded)
- LXXXIV. **Structural, spectroscopic, radical scavenging activity, molecular docking and DFT studies of a synthesized Schiff base compound**
GÖKCE H., ALPASLAN Y. B., Zeyrek C. T., Ağar E., Guder A., Özdemir N., ALPASLAN G.
JOURNAL OF MOLECULAR STRUCTURE, vol.1179, pp.205-215, 2019 (SCI-Expanded)
- LXXXV. **Enhanced Performance of Organic/Inorganic Hybrid Nanomaterials bearing Impregnated [PdL2] Complexes as Counter-Electrode Catalyst for Dye-Sensitized Solar Cells**
DAYAN S., Özdemir N., ÖZPOZAN N.
APPLIED ORGANOMETALLIC CHEMISTRY, vol.33, no.2, 2019 (SCI-Expanded)
- LXXXVI. **Hydrogen-bonded and -stacked nickel(II) thiosemicarbazone complexes: Synthesis, spectral and structural studies**
Guveli S., Özdemir N., Bal-Demirci T., SOYLU M. S., ÜLKÜSEVEN B.
TRANSITION METAL CHEMISTRY, vol.44, no.2, pp.115-123, 2019 (SCI-Expanded)
- LXXXVII. **Novel <i>N</i>-Alkylbenzimidazole-Ruthenium (II) complexes: Synthesis and catalytic activity of N-alkylating reaction under solvent-free medium**
ŞAHİN N., Özdemir N., GÜRBÜZ N., ÖZDEMİR İ.
APPLIED ORGANOMETALLIC CHEMISTRY, no.2, 2019 (SCI-Expanded)

- LXXXVIII. **Synthesis, spectroscopic properties and DFT studies of copper(II) complex of (E)-1-((2,4-dichlorophenylimino)methyl)naphthalen-2-ol**
ALPASLAN G., Macit M., Özdemir N., GÖKCE H.
INORGANICA CHIMICA ACTA, vol.484, pp.297-304, 2019 (SCI-Expanded)
- LXXXIX. **Synthesis and catalytic activity of ionic palladium N-heterocyclic carbene complexes**
YAŞAR S., Akkoc M., Özdemir N., ÖZDEMİR İ.
TURKISH JOURNAL OF CHEMISTRY, vol.43, no.6, pp.1622-1641, 2019 (SCI-Expanded)
- XC. **One-pot stepwise reductive amination reaction by N-coordinate sulfonamido-functionalized Ru(II) complexes in water**
Kayaci N., DAYAN S., Özdemir N., DAYAN O., ÖZPOZAN N.
APPLIED ORGANOMETALLIC CHEMISTRY, vol.32, no.12, 2018 (SCI-Expanded)
- XC1. **Benzotriazole functionalized N-heterocyclic carbene-silver(I) complexes: Synthesis, cytotoxicity, antimicrobial, DNA binding, and molecular docking studies**
Onar G., KARATAŞ M. O., Balcioglu S., TAŞKIN TOK T., GÜRSES C., Kilic-Cikla I., Özdemir N., ATEŞ B., ALICI B.
POLYHEDRON, vol.153, pp.31-40, 2018 (SCI-Expanded)
- XCII. **Synthesis and photovoltaic properties of new Ru(II) complexes for dye-sensitized solar cells**
DAYAN O., Özdemir N., YAKUPHANOĞLU F., ŞERBETÇİ Z., BİLİCİ A., Cetinkaya B., TERCAN YAVAŞOĞLU M.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.29, no.13, pp.11045-11058, 2018 (SCI-Expanded)
- XCIII. **Structural, Spectroscopic, Antimicrobial Activity and DFT Studies on 4-Methyl-N-(4-methylphenylsulfonyl)-N-phenylbenzenesulfonamide**
EREN B., ÖZDEMİR KOÇAK F., Özdemir N.
OPTICS AND SPECTROSCOPY, vol.125, no.1, pp.14-21, 2018 (SCI-Expanded)
- XCIV. **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**
DEMİRCİOĞLU Z., ÖZDEMİR F. A., DAYAN O., ŞERBETÇİ Z., Özdemir N.
JOURNAL OF MOLECULAR STRUCTURE, vol.1161, pp.122-137, 2018 (SCI-Expanded)
- XCV. **X-ray structure determination, Hirshfeld surface analysis, spectroscopic (FT-IR, NMR, UV-Vis, fluorescence), non-linear optical properties, Fukui function and chemical activity of 4'-(2,4-dimethoxyphenyl)-2,2':6',2''-terpyridine**
DEMİRCİOĞLU Z., Yesil A. E., ALTUN M., Bal-Demirci T., Özdemir N.
JOURNAL OF MOLECULAR STRUCTURE, vol.1162, pp.96-108, 2018 (SCI-Expanded)
- XCVI. **Sonogashira cross-coupling reaction catalysed by mixed NHC-Pd-PPh3 complexes under copper free conditions**
Touj N., YAŞAR S., Özdemir N., Hamdi N., ÖZDEMİR İ.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.860, pp.59-71, 2018 (SCI-Expanded)
- XCVII. **Synthesis, structural characterization and cytotoxicity studies of T-shaped silver(I) complexes derived from 1-benzyl-3H-benzimidazolium p-toluenesulfonates**
Karlık O., Balcioglu S., KARATAŞ M. O., ATEŞ B., ALICI B., Özdemir N.
POLYHEDRON, vol.142, pp.63-70, 2018 (SCI-Expanded)
- XCVIII. **Synthesis, spectral, X-ray diffraction and DFT studies on 1-(2-methyl-2-propenyl)-3-(2,3,4,5,6-pentamethylbenzyl)benzimidazolium chloride hydrate**
ŞAHİN N., Kilic-Cikla I., Özdemir N., GÜRBÜZ N., ÖZDEMİR İ.
MOLECULAR CRYSTALS AND LIQUID CRYSTALS, vol.664, no.1, pp.109-123, 2018 (SCI-Expanded)
- XCIX. **Synthesis, structural, spectroscopic and DFT study on a palladium(II)-N-heterocyclic carbene complex**
FIRINCI R., Gunay M. E., Özdemir N., Dincer M.
JOURNAL OF MOLECULAR STRUCTURE, vol.1146, pp.267-272, 2017 (SCI-Expanded)
- C. **Tautomerism in 4-chlorophenyl benzoylcarbamodithioate: Experimental and DFT study**
AYDIN F., Arslan N. B., Özdemir N.

JOURNAL OF MOLECULAR STRUCTURE, vol.1137, pp.233-239, 2017 (SCI-Expanded)

- CI. **Tridentate SNS pincer type ligand: Synthesis, structural and spectroscopic analysis of a novel pyridine and m-xylene compound with thioether-bridge**
SOĞUKÖMEROĞULLARI H. G., ŞEN F., Dincer M., Özdemir N., SÖNMEZ M.
JOURNAL OF MOLECULAR STRUCTURE, vol.1136, pp.271-280, 2017 (SCI-Expanded)
- CII. **Synthesis, crystal structure, spectroscopic characterization and DFT studies of bis[(1Z,2E)-N-(2,6-diethylphenyl)-N'-hydroxy-2(hydroxyimino)acetimidamido]nickel(II)**
Macit M., TANAK H., ORBAY M., Özdemir N.
INORGANICA CHIMICA ACTA, vol.459, pp.36-44, 2017 (SCI-Expanded)
- CIII. **Synthesis of a new heterocyclic Schiff base ligand "(E)-5-benzoyl-4-phenyl-1-((pyridin-2-ylmethylene) amino) pyrimidin-2(1H)-one": An experimental and computational modeling study**
ÖZDEMİR M., SÖNMEZ M., ŞEN F., Dincer M., Özdemir N.
JOURNAL OF MOLECULAR STRUCTURE, vol.1127, pp.626-635, 2017 (SCI-Expanded)
- CIV. **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 YAVAŞOĞLU M., Özdemir N.
JOURNAL OF MOLECULAR STRUCTURE, vol.1123, pp.35-43, 2016 (SCI-Expanded)
- CV. **Palladium(II) and Ruthenium(II) complexes bearing arylsulfonate based ligands: Synthesis, structural characterization and catalytic properties**
Kagit R., DAYAN O., Özdemir N.
POLYHEDRON, vol.117, pp.504-512, 2016 (SCI-Expanded)
- CVI. **Synthesis, crystal structure analysis, spectral characterization, quantum chemical calculations, antioxidant and antimicrobial activity of 3-(4-chlorophenyl)-3a,4,7,7a-tetrahydro-4,7-methanobenzo[d]isoxazole**
ERYILMAZ S., GÜL M., İNKAYA E., İDİL Ö., Özdemir N.
JOURNAL OF MOLECULAR STRUCTURE, vol.1122, pp.219-233, 2016 (SCI-Expanded)
- CVII. **Single crystal ruthenium(II) complex dye based photodiode**
TATAROĞLU A., Dayan O., Ozdemir N., Serbetci Z., A-Ghamdi A. A., Dere A., El-Tantawy F., Yakuphanoglu F.
DYES AND PIGMENTS, vol.132, pp.64-71, 2016 (SCI-Expanded)
- CVIII. **Divalent nickel complexes of thiosemicarbazone based on 5-bromosalicylaldehyde and triphenylphosphine: Experimental and theoretical characterization**
GÜVELİ Ş., Özdemir N., ÜLKÜSEVEN B., Bal-Demirci T.
POLYHEDRON, vol.113, pp.16-24, 2016 (SCI-Expanded)
- CIX. **Crystal structure of (Z)-1-(1,5-dimethyl-1H-pyrazol-3-yl)-3-hydroxybut-2-en-1-one C₉H₁₂N₂O₂**
Radi S., Tighadouini S., Ben Hadda T., AKKURT M., Özdemir N., Sirajuddin M., Mabkhot Y. N.
ZEITSCHRIFT FÜR KRISTALLOGRAPHIE-NEW CRYSTAL STRUCTURES, vol.231, no.2, pp.617-618, 2016 (SCI-Expanded)
- CX. **Synthesis, molecular structure, spectroscopic characterization, NBO, NLO and NPA analysis and in vitro cytotoxicity study of 3-chloro-N-(4-sulfamoylphenethyl)propanamide with experimental and computational study**
DURGUN M., CEYLAN Ü., YALÇIN Ş., TÜRKMEN H., Özdemir N., KOYUNCU İ.
JOURNAL OF MOLECULAR STRUCTURE, vol.1114, pp.95-107, 2016 (SCI-Expanded)
- CXI. **Quantum chemical study of tautomerism in 2-[(4-phenylthiazol-2-yl)hydrazonomethyl] phenol**
Özdemir N.
COMPUTATIONAL AND THEORETICAL CHEMISTRY, vol.1086, pp.12-17, 2016 (SCI-Expanded)
- CXII. **Supramolecular nickel complex based on thiosemicarbazone. Synthesis, transfer hydrogenation and unexpected thermal behavior**
GÜVELİ Ş., Bal-Demirci T., ÜLKÜSEVEN B., Özdemir N.
POLYHEDRON, vol.110, pp.188-196, 2016 (SCI-Expanded)
- CXIII. **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

Özdemir N., DAYAN O., Demirmen S.

OPTICS AND SPECTROSCOPY, vol.120, no.5, pp.706-720, 2016 (SCI-Expanded)

- CXIV. **Investigation of enol-imine/keto-amine tautomerism in (E)-4-[(2-hydroxybenzylidene)amino]phenyl benzenesulphonate by experimental and molecular modelling methods**
Özdemir N., Kagit R., DAYAN O.
MOLECULAR PHYSICS, vol.114, no.6, pp.757-768, 2016 (SCI-Expanded)
- CXV. **Spectroscopic, electrochemical and X-ray diffraction studies on nickel(II)-complexes of acetophenone thiosemicarbazones substituted six-carbon groups**
GÜVELİ Ş., Özdemir N., KOCA A., Bal-Demirci T., ÜLKÜSEVEN B.
INORGANICA CHIMICA ACTA, vol.443, pp.7-14, 2016 (SCI-Expanded)
- CXVI. **Functionalized imidazolium and benzimidazolium salts as paraoxonase 1 inhibitors: Synthesis, characterization and molecular docking studies**
KARATAŞ M. O., Uslu H., ALICI B., GÖKÇE B., GENÇER N., ARSLAN O., Arslan N. B., Özdemir N.
BIOORGANIC & MEDICINAL CHEMISTRY, vol.24, no.6, pp.1392-1401, 2016 (SCI-Expanded)
- CXVII. **In Vitro Antifungal, Anticancer Activities and POM Analyses of a Novel Bioactive Schiff Base 4-[(E)-furan-2-ylmethylidene]amino]p-henol: Synthesis, Characterization and Crystal Structure**
Tighadouni S., Radi S., Sirajuddin M., AKKURT M., Özdemir N., Ahmad M., Mabkhot Y. N., Ben Hadda T.
JOURNAL OF THE CHEMICAL SOCIETY OF PAKISTAN, vol.38, no.1, pp.157-165, 2016 (SCI-Expanded)
- CXVIII. **Enol-imine/keto-amine tautomerism of (E)-4-[(2-hydroxybenzylidene)amino]phenyl benzenesulfonate**
Dincer M., Özdemir N., Kagit R., DAYAN O.
ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES, vol.72, 2016 (SCI-Expanded)
- CXIX. **Bicyclic N-heterocyclic carbene (NHC) ligand precursors and their palladium complexes**
Guemesada R., Guenay M. E., Özdemir N., Cetinkaya B.
JOURNAL OF COORDINATION CHEMISTRY, vol.69, no.9, pp.1463-1472, 2016 (SCI-Expanded)
- CXX. **Molecular structure, spectroscopic characterization and DFT calculations of a novel (Z)-1-[(2-Ethylphenylamino)methylene]naphthalene-2(1H)-one**
ALPASLAN Y. B., GÖKÇE H., Macit M., ALPASLAN G., Özdemir N.
JOURNAL OF MOLECULAR STRUCTURE, vol.1096, pp.43-54, 2015 (SCI-Expanded)
- CXXI. **Theoretical and experimental investigation of 4-[(2-hydroxy-3-methylbenzylidene)amino]benzenesulfonamide: Structural and spectroscopic properties, NBO, NLO and NPA analysis**
Ceylan U., DURGUN M., TÜRKMEN H., YALÇIN Ş., KILIÇ A., Özdemir N.
JOURNAL OF MOLECULAR STRUCTURE, vol.1089, pp.222-232, 2015 (SCI-Expanded)
- CXXII. **Experimental and theoretical studies of (E)-2-(2-hydroxystyryl)-6-(4-methoxybenzoyl)-5-(4-methoxyphenyl)-1,2,4-triazin-3(2H)-one**
Ceylan U., Hacıyusufoglu M. E., SÖNMEZ M., YALÇIN Ş., Özdemir N.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.141, pp.307-315, 2015 (SCI-Expanded)
- CXXIII. **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**
ERDENER ÇIRALI D., DAYAN O., Özdemir N., Hacloglu N.
POLYHEDRON, vol.88, pp.170-175, 2015 (SCI-Expanded)
- CXXIV. **A novel one-pot synthesis of heterocyclic compound (4-benzoyl-5-phenyl-2,4-pyridin-2-yl)-3,3a-dihydropyrazolo[1,5-c]pyrimidin-7(6H)-one: Structural (X-ray and DFT) and spectroscopic (FT-IR, NMR, UV-Vis and Mass) characterization Studies**
ÖZDEMİR M., SÖNMEZ M., ŞEN F., Dincer M., Ozdemir N.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.137, pp.1304-1314, 2015 (SCI-Expanded)
- CXXV. **Direct and solvent-assisted keto-enol tautomerism and hydrogen-bonding interactions in 4-(m-**

- chlorobenzylamino)-3-phenyl-4,5-dihydro-1H-1,2,4-triazol-5-one: a quantum-chemical study**
Arslan N. B., Özdemir N.
JOURNAL OF MOLECULAR MODELING, vol.21, no.1, 2015 (SCI-Expanded)
- CXXVI. **Heteroleptic ruthenium(II) complexes of 2-(2-pyridyl)benzimidazoles: A study of catalytic efficiency towards transfer hydrogenation of acetophenone**
DAYAN O., Demirmen S., Özdemir N.
POLYHEDRON, vol.85, pp.926-932, 2015 (SCI-Expanded)
- CXXVII. **Palladium(II) complexes bearing bidentate pyridyl-sulfonamide ligands: Synthesis and catalytic applications**
DAYAN S., ÇETİN A., Arslan N. B., ÖZPOZAN N., Özdemir N., DAYAN O.
POLYHEDRON, vol.85, pp.748-753, 2015 (SCI-Expanded)
- CXXVIII. **Iron(III) and nickel(II) complexes as potential anticancer agents: synthesis, physicochemical and structural properties, cytotoxic activity and DNA interactions**
Bal-Demirci T., ÇONGUR G., ERDEM GÜRSAN K. A., Erdem-Kuruca S., Özdemir N., AKGÜN DAR K., VAROL B., ÜLKÜSEVEN B.
NEW JOURNAL OF CHEMISTRY, vol.39, no.7, pp.5643-5653, 2015 (SCI-Expanded)
- CXXIX. **Structural and spectroscopic characterization of a thiosemicarbazidatodioxouranium(VI) complex: A combined experimental and DFT study**
ŞAHİN M., Özdemir N., Bal-Demirci T., ÜLKÜSEVEN B., Dincer M., SOYLU M. S.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.135, pp.994-1001, 2015 (SCI-Expanded)
- CXXX. **Synthesis of some ruthenium(II)-Schiff base complexes bearing sulfonamide fragment: New catalysts for transfer hydrogenation of ketones**
DAYAN S., ÖZPOZAN N., Özdemir N., DAYAN O.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.770, pp.21-28, 2014 (SCI-Expanded)
- CXXXI. **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**
Özdemir N., DAYAN O., TERCAN YAVAŞOĞLU M., Cetinkaya B.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.131, pp.145-152, 2014 (SCI-Expanded)
- CXXXII. **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., Özdemir N., DAYAN O., DEGE N., KOPARIR M., Koparir P., MUĞLU H.
CHEMICAL PHYSICS, vol.439, pp.1-11, 2014 (SCI-Expanded)
- CXXXIII. **Synthesis, characterization and catalytic activity of Pd(II) complexes with N-allyl functionalized imidazol-2-ylidenes in Suzuki-Miyaura reaction**
Gumusada R., Özdemir N., Gunay M. E., Dincer M., SOYLU M. S., Cetinkaya B.
APPLIED ORGANOMETALLIC CHEMISTRY, vol.28, no.5, pp.324-331, 2014 (SCI-Expanded)
- CXXXIV. **Electrochemistry and structural properties of new mixed ligand nickel(II) complexes based on thiosemicarbazone**
GÜVELİ Ş., KOCA A., Özdemir N., Bal-Demirci T., ÜLKÜSEVEN B.
NEW JOURNAL OF CHEMISTRY, vol.38, no.11, pp.5582-5589, 2014 (SCI-Expanded)
- CXXXV. **Theoretical investigation of thione-thiol tautomerism, intermolecular double proton transfer reaction and hydrogen bonding interactions in 4-ethyl-5-(2-hydroxyphenyl)-2H-1,2,4-triazole-3(4H)-thione**
Özdemir N., Türkpençe D.
COMPUTATIONAL AND THEORETICAL CHEMISTRY, vol.1025, pp.35-45, 2013 (SCI-Expanded)
- CXXXVI. **Synthesis, spectroscopic (FT-IR/NMR) characterization, X-ray structure and DFT studies on (E)-2-(1-phenylethylidene)hydrazinecarboximidamide nitrate hemimethanol**
Özdemir N., İNKAYA E., SARIPINAR E., Akyuz L., İLHAN İ. Ö., Aydin S., Dincer M., Buyukgungor O.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.114, pp.175-182, 2013

(SCI-Expanded)

- CXXXVII. **Dioxouranium(VI) complexes with N2O2 chelating thiosemicarbazones [UO2L(R-OH)]**
ŞAHİN M., Bal-Demirci T., Özdemir N., ÜLKÜSEVEN B.
JOURNAL OF COORDINATION CHEMISTRY, vol.66, no.20, pp.3519-3530, 2013 (SCI-Expanded)
- CXXXVIII. **Experimental and molecular modeling investigation of (E)-N-{2-[(2-hydroxybenzylidene)amino]phenyl}benzenesulfonamide**
Özdemir N., DAYAN S., DAYAN O., Dincer M., ÖZPOZAN N.
MOLECULAR PHYSICS, vol.111, no.6, pp.707-723, 2013 (SCI-Expanded)
- CXXXIX. **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., Özdemir N., DAYAN O., Dincer M., Cetinkaya B.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.103, pp.255-263, 2013 (SCI-Expanded)
- CXL. **Quantum chemical investigation of the intra- and intermolecular proton transfer reactions and hydrogen bonding interactions in 4-amino-5-(2-hydroxyphenyl)-2H-1,2,4-triazole-3(4H)-thione**
Özdemir N.
JOURNAL OF MOLECULAR MODELING, vol.19, no.1, pp.397-406, 2013 (SCI-Expanded)
- CXLI. **Synthesis and characterization of SiO2-supported ruthenium complexes containing aromatic sulfonamides: as catalysts for transfer hydrogenation of acetophenone**
DAYAN S., ÖZPOZAN N., DAYAN O., Özdemir N., Dincer M., Buyukgungor O.
DALTON TRANSACTIONS, vol.42, no.14, pp.4957-4969, 2013 (SCI-Expanded)
- CXLII. **Synthesis and catalytic activity of ruthenium(II) complexes containing pyridine-based tridentate triamines ('NNN') and pyridine carboxylate ligands (NO)**
DAYAN O., Özdemir N., ŞERBETÇİ Z., Dincer M., Cetinkaya B., Buyukgungor O.
INORGANICA CHIMICA ACTA, vol.392, pp.246-253, 2012 (SCI-Expanded)
- CXLIII. **Structural and spectroscopic characterization of 2-mesityl-1H-benzo[d]imidazol-3-ium chloride: A combined experimental and theoretical analysis**
Özdemir N.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.91, pp.51-60, 2012 (SCI-Expanded)
- CXLIV. **Copper(II) and cobalt(II) complexes of 2,6-diacetylpyridine bis(O-methyloxime): A theoretical investigation**
Özdemir N., Dayan O., Dincer M., Cetinkaya B.
JOURNAL OF STRUCTURAL CHEMISTRY, vol.53, no.2, pp.251-259, 2012 (SCI-Expanded)
- CXLV. **Concomitant polymorphism of a pyridine-2,6-dicarboxamide derivative in a single space group: Experimental and molecular modeling study**
Özdemir N., DAYAN O., Cetinkaya B., AKGÜL C.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.86, pp.614-624, 2012 (SCI-Expanded)
- CXLVI. **Synthesis, spectroscopic characterization, X-ray structure and DFT studies on 4-(2-hydroxyphenyl)-4,5,6,7-tetrahydro-1H-imidazo[4,5-c]pyridin-5-ium chloride hydrate**
TÜRKYILMAZ M., Özdemir N., Baran Y.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.82, no.1, pp.360-367, 2011 (SCI-Expanded)
- CXLVII. **Quantum-Chemical, IR, NMR, and X-ray Diffraction Studies on 2-(4-Chlorophenyl)-1-methyl-1H-benzo[d]imidazole**
Özdemir N., EREN B., Dincer M., Bekdemir Y.
INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY, vol.111, no.12, pp.3112-3124, 2011 (SCI-Expanded)
- CXLVIII. **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., Özdemir N., DAYAN S., DAYAN O., Cetinkaya B.

ORGANOMETALLICS, vol.30, no.15, pp.4165-4173, 2011 (SCI-Expanded)

- CXLIX. **1,1'-(Piperazine-1,4-diyl)dipropan-2-ol**
TÜRKYILMAZ M., Baran Y., Özdemir N.
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.67, 2011 (SCI-Expanded)
- CL. **2-[2-(1H-Imidazol-3-ium-5-yl)ethyl]-3-(pyridin-2-yl)-2H-imidazo[1,5-a]pyridin-4-ium bis(perchlorate)**
TÜRKYILMAZ M., Baran Y., Özdemir N.
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.67, 2011 (SCI-Expanded)
- CLI. **The asymmetric ONNO complexes of dioxouranium(VI) with N-1,N-4-diarylidene-S-propylthiosemicarbazones derived from 3,5-dichlorosalicylaldehyde: Synthesis, spectroscopic and structural studies**
Özdemir N., ŞAHİN M., Bal-Demirci T., ÜLKÜSEVEN B.
POLYHEDRON, vol.30, no.3, pp.515-521, 2011 (SCI-Expanded)
- CLII. **A comparative DFT study of the physical properties of a 1,2,4-triazole compound**
Dincer M., Özdemir N.
ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES, vol.67, 2011 (SCI-Expanded)
- CLIII. **Quantum-chemical, spectroscopic and X-ray diffraction studies on nickel complex of 2-hydroxyacetophenone thiosemicarbazone with triphenylphosphine**
GÜVELİ Ş., Özdemir N., Bal-Demirci T., ÜLKÜSEVEN B., Dincer M., Andaç Ö.
POLYHEDRON, vol.29, no.12, pp.2393-2403, 2010 (SCI-Expanded)
- CLIV. **Synthesis, spectroscopic and structural characterization of cobalt(II) complex with uracil-containing 2,6-diformylpyridine ligand: Theoretical studies on the ligand and pentagonal-bipyramidal [Co(L)(H₂O)(2)](2+) and [Zn(L)(H₂O)(2)](2+) cations**
Koz G., Özdemir N., ASTLEY D., Dincer M., ASTLEY S. T.
JOURNAL OF MOLECULAR STRUCTURE, vol.966, no.1-3, pp.39-47, 2010 (SCI-Expanded)
- CLV. **An experimental and theoretical approach to the molecular structure of 2-{4-[3-(2,5-dimethylphenyl)-3-methylcyclobutyl]thiazol-2-yl}isoindoline-1,3-dione**
Özdemir N., Dincer M., ÇUKUROVALI A.
JOURNAL OF MOLECULAR MODELING, vol.16, no.2, pp.291-302, 2010 (SCI-Expanded)
- CLVI. **Experimental and DFT studies on a pyrimidine-thione derivative**
Dincer M., Özdemir N., KOCA İ., Yildirim I.
ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES, vol.66, 2010 (SCI-Expanded)
- CLVII. **Experimental and ab initio computational studies on 4-(1H-benzo[d]imidazol-2-yl)-N,N-dimethylaniline**
Özdemir N., EREN B., Dincer M., Bekdemir Y.
MOLECULAR PHYSICS, vol.108, no.1, pp.13-24, 2010 (SCI-Expanded)
- CLVIII. **Synthesis, X-ray crystal structures, thermal and electrochemical properties of thiosemicarbazidatodioxouranium(VI) complexes**
ŞAHİN M., KOCA A., Özdemir N., Dincer M., Buyukgungor O., Bal-Demirci T., ÜLKÜSEVEN B.
DALTON TRANSACTIONS, vol.39, no.42, pp.10228-10237, 2010 (SCI-Expanded)
- CLIX. **Experimental and theoretical investigation of the molecular and electronic structure of 5-(4-aminophenyl)-4-(3-methyl-3-phenylcyclobutyl)thiazol-2-amine**
Oezdemir N., Dincer M., ÇUKUROVALI A., Bueyuekguengoer O.
JOURNAL OF MOLECULAR MODELING, vol.15, no.12, pp.1435-1445, 2009 (SCI-Expanded)
- CLX. **Methyl 2-methoxy-7-(4-methylbenzoyl)-4-oxo-6-p-tolyl-4H-furo[3,2-c]pyran-3-carboxylate: A combined experimental and theoretical investigation**
Özdemir N., Dincer M., KOCA İ., Yildirim I., Buyukgungor O.
JOURNAL OF MOLECULAR MODELING, vol.15, no.10, pp.1193-1201, 2009 (SCI-Expanded)
- CLXI. **New (kappa(2)-C,N)-palladacyclic complexes with benzimidazol-2-ylidene ligand: Synthesis, crystal structures and characterization**
Gunay M. E., Gumuesada R., Özdemir N., Dincer M., Cetinkaya B.

- INORGANIC CHEMISTRY COMMUNICATIONS, vol.12, no.10, pp.990-993, 2009 (SCI-Expanded)
- CLXII. **Synthesis, X-ray structures, and catalytic activities of (κ^2 -C,N)-palladacycles bearing imidazol-2-ylidenes**
 Gunay M. E., Gumusada R., Özdemir N., Dincer M., Cetinkaya B.
 JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.694, no.15, pp.2343-2349, 2009 (SCI-Expanded)
- CLXIII. **The influence of moisture on deprotonation mode of imidazolinium chlorides with palladacycle acetate dimer**
 Gunay M. E., Özdemir N., Ulusoy M., Ucak M., Dincer M., Cetinkaya B.
 JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.694, no.14, pp.2179-2184, 2009 (SCI-Expanded)
- CLXIV. **Nickel(II) complexes of ONS and ONN chelating thiosemicarbazones with triphenylphosphine co-ligands**
 GÜVELİ Ş., Bal-Demirci T., Özdemir N., ÜLKÜSEVEN B.
 TRANSITION METAL CHEMISTRY, vol.34, no.4, pp.383-388, 2009 (SCI-Expanded)
- CLXV. **Experimental and Theoretical Investigation of the Molecular and Electronic Structure of N-Cyclohexyl-2-[5-(4-pyridyl)-4-(p-tolyl)-4H-1,2,4-triazol-3-ylsulfanyl]acetamide Dihydrate**
 Dincer M., Özdemir N., ÇETİN A., Keser T.
 ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES, vol.65, 2009 (SCI-Expanded)
- CLXVI. **Bis{2,6-bis[1-(4-fluorophenylimino)ethyl]pyridine}-1 κ^3 N,N',N'';3 κ^3 N,N',N''-di-mu-chlorido-1 : 2 κ^2 Cl : Cl;-2 : 3 κ^2 Cl : Cl-trichlorido-1 κ^1 Cl,2 κ^2 Cl,3 κ^1 Cl-2-copper(I)-1,3-dicopper(II)**
 Oezdemir N., Dincer M., DAYAN O., Cetinkaya B.
 ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS, vol.64, 2008 (SCI-Expanded)
- CLXVII. **Di-mu-acetato- κ^0 -4 : O'-bis[[2-(2-pyridyl)phenyl- κ^2 -C-2,N]palladium(II)]**
 Dincer M., Oezdemir N., GÜNAY M. E., Cetinkaya B.
 ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.64, 2008 (SCI-Expanded)
- CLXVIII. **An experimental and theoretical approach to the 2-chloro-1-(3-methyl-3-phenylcyclobutyl) ethanone**
 Dincer M., Özdemir N., Yilmaz I.
 ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES, vol.64, 2008 (SCI-Expanded)
- CLXIX. **(2Z,6Z)-N-2,N-2'-bis(2,6-diisopropylphenyl)-N-1,N-1'-bis(2-methoxyethyl)pyridine-2,6-dicarboxamide**
 Dincer M., Özdemir N., DAYAN O., Cetinkaya B.
 ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.64, 2008 (SCI-Expanded)
- CLXX. **1-Methyl-5-(4-methylbenzoyl)-4-(4-methylphenyl)pyrimidine-2(1H)-thione**
 Dincer M., KOCA İ., Yildirim I., Özdemir N.
 ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.63, 2007 (SCI-Expanded)
- CLXXI. **5-(4-Methylbenzoyl)-4-p-tolyl-1-(1-p-tolyethylideneamino)pyrimidin-2(1H)-one**
 Dincer M., Özdemir N., Onal Z., KORKUSUZ E.
 ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.63, 2007 (SCI-Expanded)
- CLXXII. **(Acetonitrile){2,6-bis[1-(2,4,6-trimethylphenylimino)ethyl]pyridine} dichloridoruthenium(II) dichloromethane solvate**
 Oezdemir N., Dincer M., Dayan O., Cetinkaya B.
 ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS, vol.63, 2007 (SCI-Expanded)
- CLXXIII. **2-chloro-1-(3-methyl-3-phenylcyclobutyl)ethanone**
 Dincer M., Oezdemir N., Yilmaz I., Bueyuekguengoer O.
 ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.63, 2007 (SCI-Expanded)
- CLXXIV. **(2,6-bis{1-[4-(dimethylamino)phenylimino]ethyl}pyridine)dichlorido(tri-phenylphosphine- κ^3 P)ruthenium(II): a zigzag chain of fused centrosymmetric R-2(2)(12) rings**
 Özdemir N., Dincer M., Dayan O., Cetinkaya B.
 ACTA CRYSTALLOGRAPHICA SECTION C-STRUCTURAL CHEMISTRY, vol.63, 2007 (SCI-Expanded)
- CLXXV. **[1,3-Bis(2,3,4,5,6-pentafluorobenzyl)benzimidazol-2-ylidene]bromido-(eta(4)-cycloocta-1,5-**

diene)rhodium(I)

Dincer M., Oezdemir N., Guelcema S., Cetinkaya B.

ACTA CRYSTALLOGRAPHICA SECTION C-STRUCTURAL CHEMISTRY, vol.63, 2007 (SCI-Expanded)

- CLXXVI. **trans-diaqua{5,5'-(E,E)-pyridine-2,6-diylbis(methylidynenitrilo)}bis[pyrimidine-2,4(1H,3H)-dione]}zinc(II) nitrate hexafluorophosphate trihydrate**
Özdemir N., Dincer M., Doganer G., Astley D., Astley S. T.
ACTA CRYSTALLOGRAPHICA SECTION C-STRUCTURAL CHEMISTRY, vol.63, 2007 (SCI-Expanded)
- CLXXVII. **(Acetonitrile){2,6-bis[1-(2-ethyl-6-methylphenylimino)ethyl]pyridine} dichlororuthenium(II) dichloromethane hemisolvate: a chain of edge-fused R-6(6)(24) rings**
Özdemir N., Dincer M., Dayan O., Cetinkaya B.
ACTA CRYSTALLOGRAPHICA SECTION C-STRUCTURAL CHEMISTRY, vol.63, 2007 (SCI-Expanded)
- CLXXVIII. **Copper(II) and cobalt(II) complexes of 2,6-diacetylpyridine bis(O-methyloxime)**
Dincer M., Özdemir N., Dayan O., Cetinkaya B.
ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES, vol.63, 2007 (SCI-Expanded)
- CLXXIX. **Crystal and molecular structure of 1-allyl-5-(4-methylbenzoyl)-4(4-methylphenyl)pyrimidine-2(1H)-thione**
Yildirim I., KOCA İ., Dincer M., Özdemir N., Andaç Ö.
CRYSTAL RESEARCH AND TECHNOLOGY, vol.41, no.12, pp.1236-1241, 2006 (SCI-Expanded)
- CLXXX. **N-cyclohexyl-2-[5-(4-pyridyl)-4-(p-tolyl)-4H-1,2,4-triazol-3-ylsulfanyl]-acetamide dihydrate**
Dincer M., Özdemir N., Cetin A., Keser T., Buyukgungor O.
ACTA CRYSTALLOGRAPHICA SECTION C-STRUCTURAL CHEMISTRY, vol.62, 2006 (SCI-Expanded)
- CLXXXI. **3,3'-(Pyridine-2,6-diyl)bis(4-allyl-4,5-dihydro-1H-1,2,4-triazole-5-thione)**
Cetin A., Dincer M., Özdemir N., Dayan O., Cansiz A.
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.62, 2006 (SCI-Expanded)
- CLXXXII. **Dichloro[(1E,1'E)-1,1'-(pyridine-2,6-diyl)diethanone bis(O-methyloxime)-kappa(3)N(1),N-2,N-6]cobalt(II)**
Özdemir N., Dincer M., Dayan O., Cetinkaya B.
ACTA CRYSTALLOGRAPHICA SECTION C-STRUCTURAL CHEMISTRY, vol.62, 2006 (SCI-Expanded)
- CLXXXIII. **A mu-chloro-bridged dinuclear ruthenium complex with 9H-carbazole: the formation of one-dimensional linear chains of star-shaped edge-fused rings**
Dincer M., Özdemir N., Dayan O., Cetinkaya B., Buyukgungor O.
ACTA CRYSTALLOGRAPHICA SECTION C-STRUCTURAL CHEMISTRY, vol.62, 2006 (SCI-Expanded)
- CLXXXIV. **Dichloro[(1E,1'E)-1,1'-(pyridine-2,6-diyl)diethanone bis(O-methyloxime)-kappa(3)N-1, N-2, N-6]copper(II)**
Özdemir N., Dincer M., Dayan O., Cetinkaya B.
ACTA CRYSTALLOGRAPHICA SECTION C-STRUCTURAL CHEMISTRY, vol.62, 2006 (SCI-Expanded)
- CLXXXV. **Brorno(eta(4)-cycloocta-1,5-diene)[1-(2,3,4,5,6-pentafluorobenzyl)-3-(2,4,6-trimethylbenzyl)benzimidazol-2-ylidenel rhodium(I)**
Dincer M., Özdemir N., Guelcema S., Cetinkaya B., Bueyuekguengoer O.
ACTA CRYSTALLOGRAPHICA SECTION C-STRUCTURAL CHEMISTRY, vol.62, 2006 (SCI-Expanded)
- CLXXXVI. **Hydrogen bonding in meso-4,5-diphenyl-3,6-diazaoctane-1,8-diol: the formation of one-dimensional linear chains of edge-fused rings**
Dincer M., Özdemir N., Saydam S., Bekaroglu O., Buyukgungor O.
ACTA CRYSTALLOGRAPHICA SECTION C-STRUCTURAL CHEMISTRY, vol.62, 2006 (SCI-Expanded)
- CLXXXVII. **Benzoin 4-ethylthiosemicarbazone**
Dincer M., Özdemir N., Cukurovali A., Yilmaz I., Buyukgungor O.
ACTA CRYSTALLOGRAPHICA SECTION C-STRUCTURAL CHEMISTRY, vol.62, 2006 (SCI-Expanded)
- CLXXXVIII. **Benzoin thiosemicarbazone and benzoin 4-ethylthiosemicarbazone**
Dincer M., Özdemir N., ÇUKUROVALI A., Yilmaz I.
ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES, vol.62, 2006 (SCI-Expanded)
- CLXXXIX. **1-(3-methyl-3-phenylcyclobutyl)-2-(piperidin-1-yl) ethanone oxime**

- Dincer M., Özdemir N., Cukurovali A., Yilmaz I., Buyukgungor O.
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.62, 2006 (SCI-Expanded)
- CXC. **N-(2,4-Dimethoxybenzylideneamino)guanidiniurn dihydrogenphosphate**
Dincer M., Özdemir N., Saripinar E., Kulak L., Buyukgungor O.
ACTA CRYSTALLOGRAPHICA SECTION C-STRUCTURAL CHEMISTRY, vol.61, 2005 (SCI-Expanded)
- CXCI. **6-Phenyl-3-(4-pyridyl)-1,2,4-triazolo[3,4-b][1,3,4]thiadiazole**
Dincer M., Özdemir N., Cetin A., Cansiz A., Buyukgungor O.
ACTA CRYSTALLOGRAPHICA SECTION C-STRUCTURAL CHEMISTRY, vol.61, 2005 (SCI-Expanded)
- CXCII. **4-Amino-5-(2-hydroxyphenyl)-2H-1,2,4-triazole-3(4H)-thione**
Dincer M., Özdemir N., Cetin A., Cansiz A., Sekerci M.
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.61, 2005 (SCI-Expanded)
- CXCIII. **[1,3-bis(2-ethoxyphenyl)imidazolidin-2-ylidene]bromo(cycloocta-1,5-diene)rhodium(I)**
Dincer M., Özdemir N., Gunay M., Cetinkaya B., Buyukgungor O.
ACTA CRYSTALLOGRAPHICA SECTION C-STRUCTURAL CHEMISTRY, vol.61, 2005 (SCI-Expanded)
- CXCIV. **4-allyl-2-(morpholin-4-ylmethyl)-5-(pyridin-4-yl)2,4-dihydro-3H-1,2,4-triazole-3-thione**
Dincer M., Özdemir N., Dege N., Cetin A., Cansiz A., Sekerci M.
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.61, 2005 (SCI-Expanded)
- CXCV. **1-(3-Mesityl-3-methylcyclobutyl)-2-(piperidin-1-yl)ethanone**
Cukurovali A., Özdemir N., Yilmaz I., Dincer M.
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.61, 2005 (SCI-Expanded)
- CXCVI. **2-[(4-Phenylthiazol-2-yl)hydrazonomethyl]phenol**
Dincer M., Özdemir N., Cukurovali A., Yilmaz I.
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.61, 2005 (SCI-Expanded)
- CXCVII. **Benzoin thiosemicarbazone**
Dincer M., Özdemir N., Cukurovali A., Yilmaz I.
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.61, 2005 (SCI-Expanded)
- CXCVIII. **4-benzoyl-1,5-diphenyl-1H-pyrazole-3-carboxylic acid methanol solvate**
Yildirim I., Özdemir N., Akcamur Y., Dincer M., Andaç Ö.
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.61, 2005 (SCI-Expanded)
- CXCIX. **Two Oxime Derivatives Including Succinimid and Morpholin Groups**
Dincer M., Özdemir N., Yilmaz I., ÇUKUROVALI A.
ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES, vol.61, 2005 (SCI-Expanded)
- CC. **4-Ethyl-5-(2-hydroxyphenyl)-2H-1,2,4-triazole-3(4H)-thione**
Dege N., Özdemir N., Cetin A., Cansiz A., Sekerci M., Dincer M.
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.61, 2005 (SCI-Expanded)
- CCI. **1-methyl-1-phenyl-3-[1-hydroxyimino-2-(succinimido)ethyl]cyclobutane**
Dincer M., Özdemir N., Yilmaz I., Cukurovali A., Buyukgungor O.
ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS, vol.60, 2004 (SCI-Expanded)
- CCII. **1-(3-mesityl-3-methylcyclobutyl)-2-(pyrrolidin-1-yl)ethan-1-one**
Dincer M., Özdemir N., Cukurovali A., Yilmaz I., Buyukgungor O.
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.60, 2004 (SCI-Expanded)
- CCIII. **4-benzoyl-N-methyl-1,5-diphenyl-1H-pyrazole-3-carboxamide**
Dincer M., Özdemir N., Yildirim I., Demir E., Isik S.
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.60, 2004 (SCI-Expanded)
- CCIV. **2,3,4,6-Tetraphenyl-2H-pyrazolo[3,4-d]-pyridazin-7(6H)-one**
Dincer M., Özdemir N., Yildirim I., Demir E., Akcamur Y., Isik S.
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.60, 2004 (SCI-Expanded)
- CCV. **4-(1-indanyloxy)phthalonitrile**
Dincer M., Özdemir N., Akdemir N., Ozdil M., Agar E., Buyukgungor O.
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.60, 2004 (SCI-Expanded)
- CCVI. **4-(2,6-Dichlorobenzylamino)-3-phenyl-5-p-tolyl-4H-1,2,4-triazole**

- Dincer M., Özdemir N., BEKİRCAN O., ŞAŞMAZ S., Kolaylı S., Karaoglu S., Isik S.
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.60, 2004 (SCI-Expanded)
- CCVII. **Methyl 4-benzoyl-1,5-diphenyl-1H-pyrazole-3-carboxylate**
Dincer M., Özdemir N., Yildirim I., Demir E., Akcamur Y., Isik S.
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.60, 2004 (SCI-Expanded)
- CCVIII. **3,5-Bis(4-methylbenzoyl)-2,6-bis(4-methylphenyl)-4H-pyran-4-one**
Dincer M., Yildirim I., KOCA İ., Özdemir N.
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.60, 2004 (SCI-Expanded)
- CCIX. **2-[2-Hydroxyimino-2-(3-methyl-3-phenylcyclobutyl)ethyl]isoindole-1,3-dione**
Özdemir N., Dincer M., Yilmaz I., Cukurovalı A.
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.60, 2004 (SCI-Expanded)
- CCX. **4-(Benzyloxy)phthalonitrile**
Dincer M., Agar A., Akdemir N., Agar E., Özdemir N.
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.60, 2004 (SCI-Expanded)
- CCXI. **1-methyl-1-phenyl-3-(phthalimidoacetyl)cyclobutane**
Özdemir N., Dincer M., Yilmaz I., Cukurovalı A.
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.60, 2004 (SCI-Expanded)
- CCXII. **4-(m-chlorobenzylamino)-3-phenyl-4,5-dihydro-1H-1,2,4-triazol-5-one**
Özdemir N., Dincer M., Kahveci B., Agar E., ŞAŞMAZ S.
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.59, 2003 (SCI-Expanded)

Articles Published in Other Journals

- I. **Experimental and Quantum Mechanical Investigation of N-heterocyclic Carbene Palladium Complex: Synthesis and Antibacterial Activity**
Slimani I., Zouaghi M. O., Jebli N., Youssef A., Özdemir N., ÖZDEMİR İ., GÜRBÜZ N., Mansour L., Dridi K., Naceur H.
BIOINTERFACE RESEARCH IN APPLIED CHEMISTRY, vol.12, no.6, pp.7804-7816, 2022 (ESCI)
- II. **Crystal structure and DFT computational studies of (E)-2,4-di-tert-butyl-6-[[3-(trifluoromethyl)benzyl]-iminomethyl]phenol**
Kaynar N. K., TANAK H., Macit M., Özdemir N.
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.76, pp.732-741, 2020 (ESCI)
- III. **Crystal structure and Hirshfeld surface analysis of 4-[4-(1H-benzo[d]imidazol-2-yl)phenoxy]phthalonitrile dimethyl sulfoxide monosolvate**
Kanmazalp S. D., Sen P., DEGE N., YILDIZ S. Z., Özdemir N., Golenya I. A.
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.75, pp.780-790, 2019 (ESCI)
- IV. **Structural and spectroscopic characterization and DFT studies of 2-amino-1,10-phenanthroline-1-ium chloride**
IŞIK BÜYÜKEKŞİ S., ÖZDEMİR N., ŞENGÜL A.
European Journal of Chemistry, vol.10, no.2, pp.95-101, 2019 (Peer-Reviewed Journal)
- V. **The I-V Characteristics of a New Ru(II) Complex for Different Devices**
DAYAN O., ŞERBETÇİ Z., YAKUPHANOĞLU F., ÖZDEMİR N., DERE A., TERCAN YAVAŞOĞLU M., BİLİCİ A.
Journal of Materials and Electronic Devices, vol.1, no.1, pp.25-29, 2018 (Peer-Reviewed Journal)
- VI. **DSSCler için NNN ligantlar ile kararlaştırılmış Rutenyum malzemeler**
DAYAN O., ÖZDEMİR N., YAKUPHANOĞLU F., ŞERBETÇİ Z., BİLİCİ A.
International Journal of Innovative Approaches in Science Research, vol.2, no.1, pp.9-24, 2018 (Peer-Reviewed Journal)
- VII. **Synthesis, spectroscopic characterization and catalytic activity of 1-(2-hydroxybenzylideneamino)-5-(4-methylbenzoyl)-4-(4-methylphenylpyrimidin)-2(1H)-one**
ASLAN H. G., AKKOÇ S., AKKURT M., ÖZDEMİR N., KÖKBUDAK Z.
Journal of the Chinese Advanced Materials Society, vol.6, no.2, pp.145-155, 2018 (Peer-Reviewed Journal)

- VIII. **DFT studies and crystal structure of synthesized 1,3-bis(2-thiophenylmethyl)-4,5-dihydroimidazolidinium hexafluorophosphate salt**
AKKOÇ S., TÜRKTEKİN ÇELİKESİR S., GÖK Y., ÇAĞLAR YAVUZ S., AKKURT M., ÖZDEMİR N.
Journal of the Turkish Chemical Society, Section A: Chemistry, vol.4, no.1, pp.45-58, 2017 (Peer-Reviewed Journal)
- IX. **2-Methyl-1,4-Benzodioxan Substituted Ag(I)-N-Heterocyclic Carbene Complexes and Ru(II)-N-Heterocyclic Carbene Complexes: Synthesis, Crystal Structure and Transfer Hydrogenation of Aromatic Ketones**
AKTAŞ A., GÖK Y., AKKURT M., ÖZDEMİR N.
Organic Chemistry: Current Research, vol.4, no.3, pp.149, 2015 (Peer-Reviewed Journal)
- X. **Crystal structure of 2-[(5-nitrothiophen-2-yl)methylidene]amino}phenol**
Kocak F., TANAK H., Açar E., Doğan O. E., Özdemir N.
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.71, 2015 (ESCI)
- XI. **3-(2,4-Dichlorophenoxy)-1-(4-methoxybenzyl)-4-(4-nitrophenyl)azetid-2-one**
Atiöglu Z., AKKURT M., Jarrahpour A., Heiran R., Özdemir N.
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.70, 2014 (ESCI)
- XII. **1-[3-(Morpholin-4-yl)propyl]-3-[(naphthalen-2-yl)oxy]-4-(3-nitro-phenyl)azetid-2-one**
Atiöglu Z., AKKURT M., Jarrahpour A., Heiran R., Özdemir N.
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.70, 2014 (ESCI)
- XIII. **1-(Morpholin-4-yl)-4-(2-nitrophenyl)spiro[azetidine-3,90-xanthen]-2-one**
Atiöglu Z., AKKURT M., Jarrahpour A., Heiran R., Özdemir N.
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.70, pp.772-783, 2014 (ESCI)
- XIV. **(E)-4-[(Morpholin-4-yl) imino] methyl}benzonitrile**
Atiöglu Z., AKKURT M., Jarrahpour A., Heiran R., Özdemir N.
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.70, pp.799-804, 2014 (ESCI)
- XV. **(E)-Benzyl(4-[[1-(prop-2-en-1-yl)-1H1,2,3- triazol-4-yl] methoxy} benzylidene) amine**
AKKURT M., Jarrahpour A., Chermahini M. M., Shiri P., Özdemir N.
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.70, 2014 (ESCI)
- XVI. **1-[3-(Morpholin-4-yl) propyl]-4-(3-nitrophenyl) spiro[azetidine-3,90-xanthen]2-one**
ÇELİK İ., AKKURT M., Jarrahpour A., Heiran R., Özdemir N.
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.70, 2014 (ESCI)
- XVII. **(E)-N-(4-[[1-(Prop-2-en-1-yl)-1H-1,2,3triazol-4-yl]methoxylbenzylidene)-morpholin-4-amine**
AKKURT M., Jarrahpour A., Chermahini M. M., Shiri P., Özdemir N.
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.70, 2014 (ESCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **Synthesis, Characterization and Antioxidant Activities of Ni(II) and Cu(II) Complexes of Salicylaldehyde-N(4)-phenyl Thiosemicarbazone**
AVCU ALTIPARMAK E., ÖZDEMİR N., BAL DEMİRCİ T.
6th International Eurasian Conference on Biological and Chemical Sciences, Ankara, Turkey, 11 - 13 October 2023, pp.364
- II. **Synthesis, catalytic activities and electropolymerization properties of Ru(II) and Pd(II)-N,S-heterocyclic carbene complexes containing carbazole group**
KARAKAŞ H., GÜZEL M., AK M., KILINÇARSLAN R., ÖZDEMİR N.
Ejons 14th International Conference on Mathematics, Engineering, Natural and Medical Sciences, Paris, France, 6 - 07 July 2022, pp.40-42
- III. **Biyolojik Aktif Yeni Bir Karışık-ligand Tiyosemikarbazon Kompleksi**
AVCU ALTIPARMAK E., EROĞLU G. Ö., ÖZDEMİR N., KURUCA D. S., BAL DEMİRCİ T.
VIII. Ulusal Anorganik Kimya Kongresi, Online, 2 - 05 September 2021, pp.103
- IV. **3,5-Dibromosalisilaldehit-S-metil Tiyosemikarbazon ve Nikel(II) Kompleksinin Sentezi ve Sitotoksik**

Aktivitelerinin Değerlendirilmesi

AVCU ALTIPARMAK E., EROĞLU G. Ö., ÖZDEMİR N., KURUCA D. S., BAL DEMİRCİ T.

VIII. Ulusal Anorganik Kimya Kongresi, Online, 2 - 05 September 2021, pp.100

- V. **Synthesis of novel thiosemicarbazone complexes with 5-nitrosalicylaldehyde and their cytotoxic effects in breast cancer cells**
EROĞLU G. Ö., AVCU ALTIPARMAK E., KURUCA D. S., ÖZDEMİR N., ÜLKÜSEVEN B., YAYLIM İ., BAL DEMİRCİ T.
VII. International Congress of Molecular Medicine, İstanbul, Turkey, 5 - 07 September 2019, pp.13
- VI. **X-ray, Radical Scavenging Activities and Theoretical Studies on New Schiff base Compound**
ALPASLAN G., AĞAR E., GÖKCE H., GÜDER A., ÖZDEMİR N., BİNGÖL ALPASLAN Y.
1. International Technological Sciences and Design Symposium, Giresun, Turkey, 27 - 29 June 2018, pp.262
- VII. **X-ray and Molecular Modeling Studies on New Schiff base Cu(II) Complex**
ALPASLAN G., MACİT M., BİNGÖL ALPASLAN Y., ÖZDEMİR N., GÖKCE H.
1. International Technological Sciences and Design Symposium, Giresun, Turkey, 27 - 29 June 2018, pp.234
- VIII. **Catalytic Activity of [NiCl₂L₂] (L: aromaticsulfonamide ligand) for Hydrogenation of Nitroarenes**
ÖZPOZAN N., DAYAN S., KAYACI N., DAYAN O., ÖZDEMİR N.
III. Uluslararası Mesleki ve Teknik Bilimler Kongresi, Gaziantep, Turkey, 21 - 22 June 2018, pp.256
- IX. **3-Bromo-5-chloro-2-hydroxyacetophenone-N4-butyl-thiosemicarbazidato triphenylphosphine palladium(II) complex**
GÜVELİ Ş., BAL DEMİRCİ T., ÖZDEMİR N., ÜLKÜSEVEN B.
Chemistry via Computation Applications on Molecular Nanoscience, İstanbul, Turkey, 30 October 2017, pp.71
- X. **Unexpectedly synthesis of copper salen complexes from salicylaldehyde thiosemicarbazone**
AVCU ALTIPARMAK E., ÖZDEMİR N., GÜVELİ Ş., ÜLKÜSEVEN B., BAL DEMİRCİ T.
Chemistry via Computation Applications Applications on Molecular Nanoscience, İstanbul, Turkey, 30 October 2017, pp.33
- XI. **Cytotoxic activity and synthesis of nickel (II) mixed ligand complex of 4-methoxysalicylaldehyde thiosemicarbazone with N,N-diethylethylenediamine**
BAL DEMİRCİ T., AVCU ALTIPARMAK E., GÜVELİ Ş., ÜLKÜSEVEN B., KURUCA D. S., ÖZDEMİR N.
Chemistry via Computation Applications Applications on Molecular Nanoscience, İstanbul, Turkey, 30 October 2017, pp.37
- XII. **Crystal Structure Analysis, Spectroscopic and Quantum Mechanical Investigation of (E)-3-(((2-methoxy-5-(trifluoromethyl)phenyl)imino)methyl)benzene-1,2-diol**
ÖZDEMİR TARI G., TAŞDOĞAN M., ÖZDEMİR N., AĞAR E.
Turkish Physical Society 33rd International Physics Congress, Bodrum, Turkey, 6 - 10 September 2017, pp.543
- XIII. **Experimental and Theoretical Studies of bis1-[[p-phenxyphenylimino]methylene]-2-naphthalenolato-N,O Copper Complex**
TOPRAK Ş., TANAK H., MACİT M., ÖZDEMİR N.
III. International Turkish Congress on Molecular Spectroscopy, Bodrum, Turkey, 26 - 29 August 2017, pp.52
- XIV. **X-ray and quantum chemical investigations of (E)-4-nitro-2-[(5,6,7,8-tetrahydronaphthalen-1-ylimino)methyl]phenol**
ALPASLAN G., AĞAR E., BİNGÖL ALPASLAN Y., ÖZDEMİR N., GÖKCE H.
III. International Turkish Congress on Molecular Spectroscopy, Bodrum, Turkey, 26 - 29 August 2017, pp.42
- XV. **Spectroscopic Characterization and Density Functional Studies of New Thiadiazole 1,1-dioxide Compounds**
ALPASLAN G., AĞAR E., BİNGÖL ALPASLAN Y., ÖZDEMİR N., GÖKCE H.
3. International Turkish Congress on Molecular Spectroscopy (TURCMOS2017), 26 - 29 August 2017
- XVI. **X-Ray and quantum chemical investigations of (E)-4-nitro-2-[(5,6,7,8-terahydronaphthalen-1-ylimino)methyl] phenol**
ALPASLAN G., AĞAR E., BİNGÖL ALPASLAN Y., ÖZDEMİR N., GÖKCE H.
TURCMOS'xx2017: 3rd International Turkish Congress on Molecular Spectroscopy, Bodrum-Muğla, Turkey, 26 - 29 August 2017, pp.42
- XVII. **Crystallographic Analysis of the (Z)-5-(diethylamino)-2-(((3-iodo-4-**

methylphenyl)imino)methyl)phenol

TEMEL E., ALAMAN AĞAR A., ÖZDEMİR N.

2nd International Congress on The World of Technology and Advanced Materials, Kırşehir, Turkey, 28 September - 02 October 2016, pp.34

- XVIII. **Ruthenium(II) Complexes With Tridentate Benzimidazole Ligands: New Dyes for Dye-Sensitized Solar Cell**
DAYAN O., BİLİCİ A., ŞERBETÇİ Z., YAKUPHANOĞLU F., ÖZDEMİR N.
3rd International Nanoscience and Nanotechnology for Next Generation Conference, Antalya, Turkey, 20 - 22 October 2016, pp.42
- XIX. **Crystallographic Analysis of the Z 5 diethylamino 2 3 iodo 4 methylphenyl imino mmethyl phenol**
TEMEL E., ALAMAN AĞAR A., ÖZDEMİR N.
WITAM -2016 2th INTERNATIONAL CONGRESS ON THE WORLD OF TECHNOLOGY AND ADVANCED MATERIALS, 28 September - 02 October 2016
- XX. **Ruthenium(II) complexes bearing 2,2'-pyridine-2,6-diylbis(5,6-dimethyl-1H-benzimidazole) ligands: Synthesis, characterization and applications on DSSC as dye**
DAYAN O., BİLİCİ A., ŞERBETÇİ Z., YAKUPHANOĞLU F., ÖZDEMİR N.
2nd International Conference on Organic Electronic Material Technologies, Çanakkale, Turkey, 17 - 19 May 2016, pp.80
- XXI. **PdII Impregnated MWCNT, SiO₂, Fe₃O₄ Materials and Its Application in the Hydrogenation of Nitroarene**
DAYAN S., ÖZPOZAN N., KAYACI N., DAYAN O., ÖZDEMİR N.
2nd International Conference on Organic Electronic Material Technologies, Çanakkale, Turkey, 17 - 19 May 2016, pp.143
- XXII. **Experimental and Theoretical Investigation of 4-[(2-Hydroxy-3-Methylbenzylidene)Amino]Benzenesulfonamide**
CEYLAN Ü., DURGUN M., TÜRKMEN H., YALÇIN Ş., KILIÇ A., ÖZDEMİR N.
XIIIth International Conference on Molecular Spectroscopy, Wrocław, Poland, 9 - 13 September 2015, pp.77
- XXIII. **(E)-2-((4-Etilfenilimino)metil)-4-nitrofenol Bileşiminin Deneysel ve Hesaplamalı Yöntemlerle İncelenmesi**
ALPASLAN G., AĞAR E., ŞAHİN S., GÖKCE H., CEYLAN Ü., ÖZDEMİR N.
21. Yoğun Madde Fiziği Ankara Toplantısı, Ankara, Turkey, 25 December 2015, pp.19
- XXIV. **New dyes for DSSCs: Ruthenium(II) complexes bearing tridentate triamine ligands**
DAYAN O., BİLİCİ A., ŞERBETÇİ Z., YAKUPHANOĞLU F., ÖZDEMİR N.
2nd International Nanoscience and Nanotechnology for Next Generation Conference, Antalya, Turkey, 29 - 31 October 2015, pp.62-63
- XXV. **Synthesis and Catalytic Activity Studies of Ru Complexes Bearing 2-(1H-Benzimidazol-2-yl)quinoline Derivatives**
TERCAN YAVAŞOĞLU M., DAYAN O., ÖZDEMİR N.
1st International Turkic World Conference on Chemical Sciences and Technologies, Sarajevo, Bosnia And Herzegovina, 27 October - 01 November 2015, pp.256
- XXVI. **Yeni Bir Paladyum(II) Kompleksinin Sentezi ve Yapısının Spektroskopik Yöntemler ile Aydınlatılması**
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XIV. Ulusal Spektroskopi Kongresi, Elazığ, Turkey, 29 - 31 May 2015, pp.164
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1st International Conference on Organic Electronic Material Technologies, Elazığ, Turkey, 25 - 28 March 2015, pp.52

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DURGUN M., YALÇIN Ş., CEYLAN Ü., TÜRKMEN H., KILIÇ A., ÖZDEMİR N.
1st International Conference on Organic Electronic Material Technologies, Elazığ, Turkey, 25 - 28 March 2015, pp.205-206
- XXXI. **İzoksazol Türevli Norbornadien ve Norbornen Bileşiklerinin Sentezi, Biyolojik Önemi ve Teorik Yöntemlerle İncelenmesi**
ERYILMAZ S., GÜL M., İNKAYA E., İDİL Ö., ÖZDEMİR N.
3. İlaç Kimyası: İlaç Etkin Maddesi Tasarımı, Sentezi, Üretimi ve Standardizasyonu Kongresi, Antalya, Turkey, 20 - 22 March 2015, pp.200
- XXXII. **Synthesis, characterization, spectroscopic properties, molecular structure, and theoretical calculation of 3-chloro-N-(4-sulfamoylphenethyl) propanamide**
CEYLAN Ü., DURGUN M., YALÇIN Ş., TÜRKMEN H., ÖZDEMİR N.
International Symposium on Molecular Chemistry, İstanbul, Turkey, 18 - 19 December 2014, pp.87
- XXXIII. **Crystal structure of 1-[3-(Morpholin-4-yl)propyl]-4-(3-nitrophenyl)spiro-[azetidine-3,9'-xanthen]-2-one**
ÇELİK İ., AKKURT M., JARRAHOUPUR A., HEIRAN R., ÖZDEMİR N.
4th National Crystallographic Meeting with International Participation, Diyarbakır, Turkey, 17 - 19 May 2014, pp.39
- XXXIV. **Experimental and molecular modeling investigation of (E)-N-{2-[(2-hydroxybenzylidene)amino]phenyl}benzenesulfonamide**
DİNÇER M., ÖZDEMİR N., DAYAN S., DAYAN O., ÖZPOZAN N.
4th National Crystallographic Meeting with International Participation, Diyarbakır, Turkey, 17 - 19 May 2014, pp.81
- XXXV. **Synthesize, X-ray Structure and DFT Studies of 1-amino-5-(4-methoxybenzoyl)-4-(4-methoxyphenyl)pyrimidine-2(1H)-one**
CEYLAN Ü., HACIYUSUFOĞLU M. E., SÖNMEZ M., YALÇIN Ş., ÖZDEMİR N.
4th National Crystallographic Meeting with International Participation, Diyarbakır, Turkey, 17 - 19 May 2014, pp.119
- XXXVI. **Synthesis and Crystal Structure of 4-Methylbenzene-1-[(E)-[(6-hydroxycyclohexa-1,4-dien-1-yl)methylidene]amino]-5-(4-methylbenzoyl) pyrimidin-2(1H)-one**
ASLAN H. G., ATİOĞLU Z., AKKURT M., ÖZDEMİR N., ÖNAL Z.
4th National Crystallographic Meeting with International Participation, Diyarbakır, Turkey, 17 - 19 May 2014, pp.70
- XXXVII. **Piridil-benzimidazol Ligantları İçeren Metal Komplekslerinin Sentezi, Karakterizasyonu ve Katalitik Özellikleri**
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IV. Ulusal Anorganik Kimya Kongresi, Tokat, Turkey, 30 May - 02 June 2013, pp.136
- XXXVIII. **Bis-[N-(piridin-2-ilmetil)arilsülfonamit]-palladyum(II) Komplekslerinin Sentezi ve Karakterizasyonları**
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IV. Ulusal Anorganik Kimya Kongresi, Tokat, Turkey, 30 May - 02 June 2013, pp.169
- XXXIX. **2,6-Bis(benzimidazol-2-il)piridinyum Monokloro Mono(Aril)Sulfonatların Sentezi, Karakterizasyonu**
DAYAN O., TERCAN YAVAŞOĞLU M., ÖZDEMİR N., ÇETİNKAYA B.
IV. Ulusal Anorganik Kimya Kongresi, Tokat, Turkey, 30 May - 02 June 2013, pp.168
- XL. **Spectroscopic (FT-IR/NMR) and Quantum Chemical Study on an Aminoguanidine Compound**
DİNÇER M., ÖZDEMİR N., SARIPINAR E., KULAK L.
3rd Turkish Crystallographic Meeting, İzmir, Turkey, 7 - 09 June 2012, pp.101
- XLI. **2-Aril-1H-benzimidazol Ligantları İçeren CuII Komplekslerinin Sentezi, Karakterizasyonu, Antimikrobiyel Özellikleri ve Katalitik Uygulamaları**
DİLEK D., ÖZDEMİR N., ŞERBETÇİ Z., AKGÜL C., DAYAN O.

III. Ulusal Anorganik Kimya Kongresi, Çanakkale, Turkey, 19 - 22 May 2011, pp.330

XLII. **Hydrogen bonding in meso-4,5-diphenyl-3,6-diazooctane-1,8-diol: The formation of one-dimensional linear chains of edge-fused rings**

DİNÇER M., ÖZDEMİR N., SAYDAM S., BEKAROĞLU Ö., BÜYÜKGÜNGÖR O.

2nd Turkish Crystallographic Meeting, Kayseri, Turkey, 17 - 19 May 2006, pp.78

XLIII. **6-Phenyl-3-(4-pyridyl)-1,2,4-triazolo[3,4-b][1,3,4]thiadiazole**

ÖZDEMİR N., DİNÇER M., ÇETİN A., CANSIZ A., BÜYÜKGÜNGÖR O.

2nd Turkish Crystallographic Meeting, Kayseri, Turkey, 17 - 19 May 2006, pp.79

XLIV. **1-Allil-5-aroil-4-aril pirimidin-2(1H)-tiyon'ların Sentezi ve Spektroskopik İdentifikasyonu**

KOCA İ., YILDIRIM İ., DİNÇER M., ÖZDEMİR N.

IX. Ulusal Spektroskopi Kongresi, Ankara, Turkey, 9 - 11 June 2005, pp.78

Supported Projects

Özdemir N., Dayan O., Dere A., Erdener Çıralı D., Project Supported by Higher Education Institutions, Piridinil ligantlar içeren geçiş metal komplekslerinin sentezi ve optik özelliklerinin incelenmesi, 2024 - 2025

Özdemir N., Erdener Çıralı D., Dere A., Dayan O., Project Supported by Higher Education Institutions, Optoelektronik Uygulamalar İçin Rutenyum Esaslı fotonik Malzemelerin Üretilmesi, 2023 - 2024

Dayan O., Özdemir N., Dayan S., Project Supported by Higher Education Institutions, Yeni bir Ru(II) kompleksinin sentezi ve Optik özelliklerinin incelenmesi, 2020 - 2022

Dayan O., Özdemir N., Özdemir F. A., Şerbetçi Z., Tercan Yavaşoğlu M., Project Supported by Higher Education Institutions, İkidışli Schiff bazı ligantları içeren yeni geçiş metal komplekslerinin sentezi ve katalitik/biyolojik aktivitelerinin incelenmesi, 2019 - 2020

Dayan O., Özdemir N., Erdener Çıralı D., Tercan Yavaşoğlu M., Project Supported by Higher Education Institutions, Yeni boranil bileşiklerin sentezi ve optik özellikleri: Deneysel ve teorik çalışma, 2018 - 2019

Dayan O., Yakuphanoğlu F., Özdemir N., Şerbetçi Z., Bilici A., TUBITAK Project, Yeni Rutenyum Boyalar: Güneş Pilleri için Deneysel ve Teorik Araştırma, 2014 - 2017

Dinçer M., Özdemir N., Project Supported by Higher Education Institutions, Benzimidazol ve piperazin türevlerinin sentezi, geçiş metal komplekslerinin hazırlanması, spektroskopik, X-ışını kırınımı ve teorik hesaplama yöntemleri ile özelliklerinin incelenmesi, 2008 - 2010

Dinçer M., Özdemir N., Project Supported by Higher Education Institutions, Yeni madde sentezi, kristallendirme ve kristal yapı çözümü, 2006 - 2008

Dinçer M., Özdemir N., Project Supported by Higher Education Institutions, Özellikli yeni madde sentezi, kristallendirme ve kristal yapı analizi, 2004 - 2008

Patent

Güveli Ş., Bal Demirci T., Ülküseven B., Namık Ö., Thiosemicarbazone based supramolecular Nickel Complexes for CVD Applications, Patent, CHAPTER C Chemistry; Metallurgy, The Invention Registration Number: EP3187504B1 , Standard Registration, 2018