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Yoksis Researcher ID: 57084



Education Information

Doctorate, Sivas Cumhuriyet University, Fen Bilimleri Enstitüsü, Kimya (Dr), Turkey 2006 - 2012

Postgraduate, Inonu University, Fen Bilimleri Enstitüsü, Fen Bilimleri Enstitüsü, Turkey 2003 - 2005

Undergraduate, Inonu University, Eğitim Fakültesi, Ortaöğretim Fen Ve Matematik Alanlar Eğitimi, Turkey 1998 - 2003

Dissertations

Doctorate, Pd(II), Ni(II) ve Ru(II) metallerinin azol komplekslerinin sentezi ve katalitik özellikleri, Sivas Cumhuriyet Üniversitesi, Fen Bilimleri Enstitüsü, Kimya (Dr), 2012

Postgraduate, N-koordine metal komplekslerinin sentezi ve özellikleri, İnönü Üniversitesi, Şarkışla Uygulamalı Bilimler Yüksekokulu, Kimya (YI) (Tezli), 2005

Research Areas

Natural Sciences

Academic Titles / Tasks

Associate Professor, Sivas Cumhuriyet University, Eğitim Fakültesi, Matematik Ve Fen Bilimleri Eğitimi Bölümü, 2022 - Continues

Associate Professor, Sivas Cumhuriyet University, Eğitim Fakültesi, Temel Eğitim Bölümü, 2019 - 2022

Assistant Professor, Sivas Cumhuriyet University, Eğitim Fakültesi, Temel Eğitim Bölümü, 2016 - 2019

Research Assistant PhD, Sivas Cumhuriyet University, Fen Fakültesi, Kimya Bölümü, 2012 - 2016

Research Assistant, Sivas Cumhuriyet University, Fen Fakültesi, Kimya Bölümü, 2004 - 2012

Courses

Topluma Hizmet Uygulamaları, Undergraduate, 2018 - 2019

Genel Kimya, Undergraduate, 2018 - 2019
Öğretmenlik Uygulaması, Undergraduate, 2019 - 2020
Okul Deneyimi, Undergraduate, 2018 - 2019
Bilim Tarihi ve Felsefesi, Undergraduate, 2019 - 2020
Öğretmenlik Uygulaması - I, Undergraduate, 2019 - 2020
Öğretmenlik Uygulaması - II, Undergraduate, 2018 - 2019
Topluma Hizmet Uygulamaları, Undergraduate, 2018 - 2019
Öğretmenlik Uygulaması-II, Undergraduate, 2017 - 2018
Öğretmenlik Uygulaması - II, Undergraduate, 2017 - 2018
Okul Deneyimi, Undergraduate, 2017 - 2018
Öğretmenlik Uygulaması-I, Undergraduate, 2017 - 2018
Topluma Hizmet Uygulamaları, Undergraduate, 2017 - 2018
Öğretmenlik Uygulaması - I, Undergraduate, 2018 - 2019
Genel Kimya, Undergraduate, 2017 - 2018
Topluma Hizmet Uygulamaları, Undergraduate, 2017 - 2018

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Palladium-Catalyzed Cross-Coupling Reaction via C-H Activation of Furanyl and Thiofuranyl Substrates**
ŞAHİN N., ÖZDEMİR İ., Sémeril D.
Inorganics, vol.12, no.6, 2024 (SCI-Expanded)
- II. **N-alkylbenzimidazole silver(I) complexes: Synthesis, biological evaluation and molecular docking study**
Arı E., ŞAHİN N., Üstün E., DÜNDAR M., Karcı H., ÖZDEMİR İ., KOÇ A., GÜRBÜZ N., ÖZDEMİR İ.
Polyhedron, vol.248, 2024 (SCI-Expanded)
- III. **Insight into the effect of Ca²⁺, Mg²⁺ and Zn²⁺ on serum albumin interaction of benzimidazole-type new isopropyl substituted N-heterocyclic carbene molecules**
Üstün E., ŞAHİN N.
Journal of Photochemistry and Photobiology A: Chemistry, vol.447, 2024 (SCI-Expanded)
- IV. **The first evaluation of the in vitro effects of silver(I)-N-heterocyclic carbene complexes on Encephalitozoon intestinalis and Leishmania major promastigotes**
ATAŞ A. D., AKIN POLAT Z., Gülpınar D. G., ŞAHİN N.
Journal of Biological Inorganic Chemistry, 2024 (SCI-Expanded)
- V. **Synthesis, antimicrobial activity and molecular docking study of benzyl functionalized benzimidazole silver(I) complexes**
Arı E., ŞAHİN N., Üstün E., DÜNDAR M., Karcı H., ÖZDEMİR İ., KOÇ A., GÜRBÜZ N., ÖZDEMİR İ.
Journal of Biological Inorganic Chemistry, vol.28, no.8, pp.725-736, 2023 (SCI-Expanded)
- VI. **Antimicrobial activities of bis-(N-alkylbenzimidazole)-cobalt(II) and zinc(II) complexes**
ŞAHİN N., Üstün E., ÖZDEMİR İ., GÜNAL S., Özdemir N., Bülbül H., GÜRBÜZ N., ÖZDEMİR İ., Sémeril D.
Inorganic Chemistry Communications, vol.157, 2023 (SCI-Expanded)
- VII. **Design, synthesis, antimicrobial activity and molecular docking study of cationic bis-benzimidazole-silver(I) complexes**
Üstün E., ŞAHİN N., ÖZDEMİR İ., GÜNAL S., GÜRBÜZ N., ÖZDEMİR İ., Sémeril D.
Archiv der Pharmazie, vol.356, no.10, 2023 (SCI-Expanded)
- VIII. **Benzimidazol-2-ylidene Silver Complexes: Synthesis, Characterization, Antimicrobial and Antibiofilm Activities, Molecular Docking and Theoretical Investigations**
TUTAR U., ÇELİK C., Üstün E., Özdemir N., ŞAHİN N., Sémeril D., GÜRBÜZ N., ÖZDEMİR İ.
Inorganics, vol.11, no.10, 2023 (SCI-Expanded)
- IX. **Interaction analysis of a new NHC precursor and its Ag-NHC complex with bovine serum albumin by**

spectrophotometric and molecular docking methods

Üstün E., ŞAHİN N.

Journal of Coordination Chemistry, vol.76, no.16-24, pp.1941-1954, 2023 (SCI-Expanded)

- X. **Silver(I) Complexes Based on Oxadiazole-Functionalized α -Aminophosphonate: Synthesis, Structural Study, and Biological Activities**
Hkiri S., Coşkun K. A., Üstün E., Samarat A., Tutar Y., ŞAHİN N., Sémeril D.
Molecules, vol.27, no.23, 2022 (SCI-Expanded)
- XI. **Antimicrobial and antibiofilm activities and bovine serum albumin binding properties of benzimidazolium derivative NHC salts and their Ag(I)-NHC complexes**
ÇELİK C., ÜSTÜN E., ŞAHİN N., TUTAR U.
APPLIED ORGANOMETALLIC CHEMISTRY, vol.36, no.12, 2022 (SCI-Expanded)
- XII. **Antioxidant activity, enzyme inhibition, electrochemical and theoretical evaluation of novel PEPPSI type N-heterocyclic carbene complexes**
ŞAHİN N., SÖNMEZ ÇELEBİ M., ÇOL AYVAZ M., Stun E.
INORGANIC CHEMISTRY COMMUNICATIONS, vol.145, 2022 (SCI-Expanded)
- XIII. **Allyl Functionalized Benzimidazolium-Derived Ag(I)-N-Heterocyclic Carbene Complexes: Anti-Biofilm and Antimicrobial Properties**
Tutar U., Çelik C., Şahin N.
PHARMACEUTICAL CHEMISTRY JOURNAL, vol.56, pp.54-60, 2022 (SCI-Expanded)
- XIV. **Antimicrobial, anti-biofilm and cytotoxic properties of methallyl functionalized benzimidazolium-derived Ag(I)-N- heterocyclic carbene complexes**
ÇELİK C., TUTAR U., ŞAHİN N., ÖZTÜRK A.
TROPICAL JOURNAL OF PHARMACEUTICAL RESEARCH, vol.21, no.4, pp.817-823, 2022 (SCI-Expanded)
- XV. **Novel Ag(I)-NHC complex: synthesis, in vitro cytotoxic activity, molecular docking, and quantum chemical studies**
SERDAROĞLU G., ŞAHİN N., ŞAHİN BÖLÜKBAŞI S., ÜSTÜN E.
ZEITSCHRIFT FÜR NATURFORSCHUNG SECTION C-A JOURNAL OF BIOSCIENCES, vol.77, no.1-2, pp.21-36, 2022 (SCI-Expanded)
- XVI. **A benzimidazolium salt as effective corrosion inhibitor against the corrosion of mild steel in acidic medium: experimental and theoretical studies**
ŞAHİN N., KAYA S., Aydin O., Katin K. P., Chaouiki A., GÜRBÜZ N., ÖZDEMİR İ., FARSAK M.
JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.36, no.23-24, pp.2665-2687, 2022 (SCI-Expanded)
- XVII. **Antimicrobial activity, inhibition of biofilm formation, and molecular docking study of novel Ag-NHC complexes**
Şahin N., Ustun E., Tutar U., Çelik C., Gürbüz N., Özdemir İ.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.954, 2021 (SCI-Expanded)
- XVIII. **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., Şahin N.
JOURNAL OF COORDINATION CHEMISTRY, vol.74, no.21-24, pp.3109-3126, 2021 (SCI-Expanded)
- XIX. **Synthesis, characterization, antimicrobial and antibiofilm activity, and molecular docking analysis of NHC precursors and their Ag-NHC complexes**
Üstün E., Şahin N., Çelik C., Tutar U., Ozdemir N., Gürbüz N., Özdemir İ.
DALTON TRANSACTIONS, vol.50, no.42, pp.15400-15412, 2021 (SCI-Expanded)
- XX. **PEPPSI type complexes: Synthesis, x-ray structures, spectral studies, molecular docking and theoretical investigations**
SERDAROĞLU G., ŞAHİN N., ÜSTÜN E., Tahir M. N., Arici C., GÜRBÜZ N., ÖZDEMİR İ.
POLYHEDRON, vol.204, 2021 (SCI-Expanded)
- XXI. **Synthesis, in vitro anticancer activities, and quantum chemical investigations on 1,3-bis-(2-methyl-2-propenyl)benzimidazolium chloride and its Ag(I) complex**
SERDAROĞLU G., ŞAHİN BÖLÜKBAŞI S., Barut-Celepçi D., Sevinçek R., ŞAHİN N., GÜRBÜZ N., ÖZDEMİR İ.

JOURNAL OF CHEMICAL RESEARCH, vol.45, no.5-6, pp.596-607, 2021 (SCI-Expanded)

- XXII. **PEPPSI complexes as potential prodrugs: enzyme inhibition, antioxidant activity, electrochemical characterization, molecular docking analysis**
ÜSTÜN E., SÖNMEZ ÇELEBİ M., ÇOL AYVAZ M., ŞAHİN N.
ZEITSCHRIFT FÜR NATURFORSCHUNG SECTION C-A JOURNAL OF BIOSCIENCES, vol.76, pp.219-227, 2021 (SCI-Expanded)
- XXIII. **Pd-PEPPSI: X-ray Structure, Spectroscopic Analyses, and Quantum Mechanical Studies**
Kilic-Cikla I., ŞAHİN N., Ozdemir N., GÜRBÜZ N., ÖZDEMİR İ.
RUSSIAN JOURNAL OF PHYSICAL CHEMISTRY A, vol.95, 2021 (SCI-Expanded)
- XXIV. **Interaction of NHC Derivative Molecules with Vascular Endothelial Growth Factor Receptor-2: A Computational Analysis**
Şahin N., Üstün E.
Journal Of The Indian Chemical Society, no.97, pp.2070-2073, 2020 (SCI-Expanded)
- XXV. **Molecular Docking Analysis of N-Heterocyclic Carbene and Silver N-Heterocyclic Carbene Complexes with Thioredoxin Reductase**
Üstün E., Şahin N.
Journal Of The Indian Chemical Society, no.97, pp.2013-2016, 2020 (SCI-Expanded)
- XXVI. **First used of Alkylbenzimidazole-Cobalt(II) complexes as a catalyst for the N-Alkylation of amines with alcohols under solvent-free medium**
ŞAHİN N., Yildirim I., Ozdemir N., GÜRBÜZ N., ÖZDEMİR İ.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.918, 2020 (SCI-Expanded)
- XXVII. **Arylation of heterocyclic compounds by benzimidazole-based N-heterocyclic carbene-palladium(II) complexes**
ŞAHİN N., GÜRBÜZ N., Karabiyik H., Karabiyik H., ÖZDEMİR İ.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.907, 2020 (SCI-Expanded)
- XXVIII. **Synthesis, characterization, and investigation of antiproliferative activity of novel Ag (I)-N-Heterocyclic Carbene (NHC) compounds**
Cevik-Yildiz E., ŞAHİN N., Sahin-Bolukbasi S.
JOURNAL OF MOLECULAR STRUCTURE, vol.1199, 2020 (SCI-Expanded)
- XXIX. **Synthesis and antitumor activity of new silver(I)-N-heterocyclic carbene complexes**
ŞAHİN N., Sahin-Bolukbasi S., Marsan H.
JOURNAL OF COORDINATION CHEMISTRY, vol.72, pp.3602-3613, 2019 (SCI-Expanded)
- XXX. **Direct arylation of heteroarenes by PEPPSI-type palladium-NHC complexes and representative quantum chemical calculations for the compound which the structure was determined by X-ray crystallography**
ŞAHİN N., SERDAROĞLU G., Dusunceli S. D., Tahir M. N., Arici C., ÖZDEMİR İ.
JOURNAL OF COORDINATION CHEMISTRY, vol.72, pp.3258-3284, 2019 (SCI-Expanded)
- XXXI. **Molecular docking and electronic transition analysis of novel [Re(bbim)(bpy)(CO)(3)]OTf complex as a CO-releasing molecule**
Ustun E., Celebi M. S., ŞAHİN N., Dusunceli S. D., ÖZDEMİR İ.
JOURNAL OF THE INDIAN CHEMICAL SOCIETY, vol.96, no.9, pp.1175-1179, 2019 (SCI-Expanded)
- XXXII. **Physicochemical properties, molecular docking and global reactivity descriptors of manganese carbonyl complexes with imidazole ligands**
Gungor G., Dasdan D. S., Ustun E., ŞAHİN N.
JOURNAL OF THE INDIAN CHEMICAL SOCIETY, vol.96, no.9, pp.1163-1168, 2019 (SCI-Expanded)
- XXXIII. **Novel Silver-NHC complexes: Synthesis and anticancer properties**
Sahin-Bolukbasia S., ŞAHİN N.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.891, pp.78-84, 2019 (SCI-Expanded)
- XXXIV. **Synthesis, characterization and anticancer activity of allyl substituted N-Heterocyclic carbene silver(I) complexes**
ŞAHİN N., Sahin-Bolukbasi S., Tahir M. N., Arici C., Cevik E., GÜRBÜZ N., ÖZDEMİR İ., Cummings B. S.

- JOURNAL OF MOLECULAR STRUCTURE, vol.1179, pp.92-99, 2019 (SCI-Expanded)
- XXXV. **Novel N-heterocyclic carbene silver(I) complexes: Synthesis, structural characterization, and anticancer activity**
Bolukbasi S., ŞAHİN N., Tahir M. N. F., Arici C., Cevik E., GÜRBÜZ N., ÖZDEMİR İ., Cummings B. S.
INORGANICA CHIMICA ACTA, vol.486, pp.711-718, 2019 (SCI-Expanded)
- XXXVI. **The synthesis and characterization of 1-(Allyl)-3-(2-methylbenzyl) benzimidazolium chloride: FT-IR, NMR, and DFT computational investigation**
SERDAROĞLU G., ŞAHİN N.
JOURNAL OF MOLECULAR STRUCTURE, vol.1178, pp.212-221, 2019 (SCI-Expanded)
- XXXVII. **PEPPSI-type 2-methyl-2-propenyl-functionalized N-heterocyclic carbene-palladium complexes: Synthesis, structural characterization and catalytic activity on Suzuki-Miyaura reaction**
ŞAHİN N.
JOURNAL OF MOLECULAR STRUCTURE, vol.1177, pp.193-198, 2019 (SCI-Expanded)
- XXXVIII. **Novel N-Alkylbenzimidazole-Ruthenium (II) complexes: Synthesis and catalytic activity of N-alkylating reaction under solvent-free medium**
ŞAHİN N., Ozdemir N., GÜRBÜZ N., ÖZDEMİR İ.
APPLIED ORGANOMETALLIC CHEMISTRY, vol.33, no.2, 2019 (SCI-Expanded)
- XXXIX. **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., Kılıç-Cıkla I., ÖZDEMİR N., GÜRBÜZ N., ÖZDEMİR İ.
MOLECULAR CRYSTALS AND LIQUID CRYSTALS, vol.664, no.1, pp.109-123, 2018 (SCI-Expanded)
- XL. **ARYLATION OF ANILINE AND AMINES BY Pd-(N-HETEROCYCLIC CARBENE) COMPLEXES**
ŞAHİN N., DEMİR DÜŞÜNCELİ S., ÖZDEMİR İ.
HETEROCYCLES, vol.94, no.8, pp.1506-1517, 2017 (SCI-Expanded)
- XLI. **Copper-Catalysed Allylic Substitution Using 2,8,14,20-Tetrapentylresorcinarenyl-Substituted Imidazolium Salts**
Kaloglu M., Sahin N., Semeril D., Brenner E., Matt D., ÖZDEMİR İ., KAYA C., Toupet L.
EUROPEAN JOURNAL OF ORGANIC CHEMISTRY, no.33, pp.7310-7316, 2015 (SCI-Expanded)
- XLII. **Palladium-catalysed Suzuki-Miyaura cross-coupling with imidazolylidene ligands substituted by crowded resorcinarenyl and calixarenyl units**
Sahin N., Semeril D., Brenner E., Matt D., KAYA C., Toupet L.
TURKISH JOURNAL OF CHEMISTRY, vol.39, no.6, pp.1171-1179, 2015 (SCI-Expanded)
- XLIII. **Transfer hydrogenation of ketones in the presence of half sandwich ruthenium (II) complexes bearing imidazoline and benzimidazole ligand**
ŞAHİN N., Demir S., ÖZDEMİR İ.
ARKIVOC, pp.20-33, 2015 (SCI-Expanded)
- XLIV. **Subtle Steric Effects in Nickel-Catalysed Kumada-Tamao-Corriu Cross-Coupling Using Resorcinarenyl-Imidazolium Salts**
Sahin N., Semeril D., Brenner E., Matt D., ÖZDEMİR İ., Kaya C., Toupet L.
EUROPEAN JOURNAL OF ORGANIC CHEMISTRY, vol.2013, no.20, pp.4443-4449, 2013 (SCI-Expanded)
- XLV. **Resorcinarene-Functionalised Imidazolium Salts as Ligand Precursors for Palladium-Catalysed SuzukiMiyaura Cross-Couplings**
Sahin N., Semeril D., Brenner E., Matt D., ÖZDEMİR İ., KAYA C., Toupet L.
CHEMCATCHEM, vol.5, no.5, pp.1116-1125, 2013 (SCI-Expanded)
- XLVI. **Synthesis and use of trans-dichlorido-tetrakis-(N-R-imidazole)nickel(II) complexes in Kumada-Tamao-Corriu cross-coupling reactions**
Sahin N., El Moll H., Semeril D., Matt D., ÖZDEMİR İ., KAYA C., Toupet L.
POLYHEDRON, vol.30, no.12, pp.2051-2054, 2011 (SCI-Expanded)
- XLVII. **Transfer hydrogenation of ketones catalyzed by 1-alkylbenzimidazole ruthenium(II) complexes**
Ozdemir I., Sahin N., Cetinkaya B.
MONATSHEFTE FÜR CHEMIE, vol.138, no.3, pp.205-209, 2007 (SCI-Expanded)

- XLVIII. **In situ generated 1-alkylbenzimidazole-palladium catalyst for the Suzuki coupling of aryl chlorides**
Ozdemir I., Sahin N., Gok Y., Demir S., Cetinkaya B.
JOURNAL OF MOLECULAR CATALYSIS A-CHEMICAL, vol.234, pp.181-185, 2005 (SCI-Expanded)
- XLIX. **In-situ generated 1-alkylimidazoline-palladium catalyst for the Suzuki cross-coupling reaction of aryl chlorides**
Ozdemir I., Sahin N., Gurbuz N., Demir S., Gok Y., Cetinkaya B., Getinkaya E.
SYNTHESIS AND REACTIVITY IN INORGANIC METAL-ORGANIC AND NANO-METAL CHEMISTRY, vol.35, no.7, pp.541-544, 2005 (SCI-Expanded)

Articles Published in Other Journals

- I. **Synthesis, Characterization, and Molecular Docking Analysis of A Novel NHC Salt and Its Palladium-PEPPSI Complex**
ŞAHİN N., ÜSTÜN E.
Ordu Üniversitesi Bilim ve Teknoloji Dergisi, vol.13, no.1, pp.15-23, 2023 (Peer-Reviewed Journal)
- II. **Synthesis and Characterization of Novel Benzimidazolium Type NHC Molecule and Its Silver Complex and Their Theoretical Analysis for Potential Anti-Cancer Activity**
ÜSTÜN E., ŞAHİN N.
Karadeniz Fen Bilimleri Dergisi, vol.13, no.2, pp.275-287, 2023 (Peer-Reviewed Journal)
- III. **Synthesis, and Characterization and In-Silico Analysis Against SARS CoV-2 of Novel Benzimidazolium Salts**
ÜSTÜN E., ŞAHİN N.
ORBITAL, vol.14, no.4, pp.205-211, 2022 (ESCI)
- IV. **Green Synthesis of Iron Oxide Nanoparticles by Using Ficus Carica Leaf Extract and Its Antioxidant Activity**
ÜSTÜN E., Onbas S. C., Celik S. K., ÇOL AYVAZ M., ŞAHİN N.
BIOINTERFACE RESEARCH IN APPLIED CHEMISTRY, vol.12, no.2, pp.2108-2116, 2022 (ESCI)
- V. **Yeni Sentezlenmiş ve Karakterize Edilmiş Benzimidazolyum Tuzlarının Yoğunluk Fonksiyonel Teorisi ve Moleküler Doking Analizi**
ÜSTÜN E., ŞAHİN N.
Ordu Üniversitesi Bilim ve Teknoloji Dergisi, vol.12, 2022 (Peer-Reviewed Journal)
- VI. **Analysis of Interactions of NHC Type Molecules and NHC-Ag Complexes with VEGFR-2 and DNA: A Molecular Docking Study**
ÜSTÜN E., ŞAHİN N.
Adıyaman Üniversitesi Fen Bilimleri Dergisi, 2021 (Peer-Reviewed Journal)
- VII. **Kloro[1-(2-metil-2-propenil)-3-(2-klorobenzil)benzimidazol-2-iliden]Ag(I) Bileşiğinin SH-SY5Y Nöroblastom Hücrelerindeki Antiproliferatif Aktivitesinin Araştırılması**
Yıldız B., ŞAHİN BÖLÜKBAŞI S., ŞAHİN N.
Bartın Üniversitesi Uluslararası Fen Bilimleri Dergisi, vol.3, no.2, pp.73-83, 2020 (Peer-Reviewed Journal)
- VIII. **Dikloro [1-(2-metil-2-propenil)-3-(3,4,5-trimetoksibenzil) benzimidazol-2-iliden] piridin paladyum(II) Kompleksinin Sentezi, Yapısal Karakterizasyonu, Suzuki-Miyaura ve Mizoroki-Heck Eşleşme Tepkimelerindeki Katalitik Aktivitesi**
ŞAHİN N.
Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.22, pp.105-109, 2018 (Peer-Reviewed Journal)
- IX. **Yeni Rutenyum-Azol Komplekslerinin Sentezi ve Antioksidan Özellikleri**
ŞAHİN N., ŞAHİN BÖLÜKBAŞI S.
SAÜ Fen Bilimleri Enstitüsü Dergisi, vol.21, no.6, pp.1121-1126, 2017 (Peer-Reviewed Journal)
- X. **Yeni Benzimidazol Rutenyum-(II) Komplekslerinin Sentezi, Karakterizasyonu ve İn Vitro Antioksidan Aktiviteleri**
ŞAHİN BÖLÜKBAŞI S., ŞAHİN N.

Refereed Congress / Symposium Publications in Proceedings

- I. **SYNTHESIS AND CHARACTERIZATION OF A NEW CYCLOBUTYL SUBSTITUTED BENZIMIDAZOLIUM SALT**
ŞAHİN N., ÜSTÜN E.
3. International Sciences And Innovation Congress, Ankara, Turkey, 21 November 2021, pp.241-247
- II. **SYNTHESIS AND CHARACTERIZATION OF 1-ALLYL-3-BUTYLBENZIMIDAZOLIUM CHLORIDE**
ŞAHİN N., ÜSTÜN E.
1. INTERNATIONAL MARMARA SCIENTIFIC RESEARCH AND INNOVATION CONGRESS, İstanbul, Turkey, 21 - 22 August 2021, pp.241-247
- III. **MOLECULAR DOCKING ANALYSIS OF THIOREDOXIN REDUCTASE INHIBITION PROPERTIES OF ALLYL-SUBSTITUTED N-HETEROCYCLIC CARBENE SALTS**
ÜSTÜN E., ŞAHİN N.
2. INTERNATIONAL SCIENCES AND INNOVATION CONGRESS, Ankara, Turkey, 22 - 23 May 2021, pp.160-167
- IV. **MOLECULAR DOCKING STUDY: INTERACTIONS of N-HETEROCYCLIC CARBENE TYPE MOLECULES WITH THIOREDOXIN REDUCTASE**
ŞAHİN N., ÜSTÜN E.
1th INTERNATIONAL SCIENTIFIC RESEARCH AND INNOVATION CONGRESS, Ankara, Turkey, 13 - 14 March 2021, pp.259-267
- V. **DFT investigation of Chloro[1-(2-Methyl-2-propenyl)-3-(4-chlorobenzyl)benzimidazole-2-ylidene]silver(I)**
SERDAROĞLU G., ŞAHİN N.
5nd International Conference on Material Science and Technology, Kapadokya, Turkey, 16 October 2020, vol.5, pp.214-217
- VI. **The Structural, Electronic And Physical Properties of Cationic NHC-Ag(II) Complex: A Dft Study**
SERDAROĞLU G., ŞAHİN N.
4. International Conference on Material Science and Technology in Kızılcahamam/ANKARA, Ankara, Turkey, 18 - 20 October 2019, pp.765-769
- VII. **Conformational Dependence of the Intra Molecular Interactions in N-Heterocyclic Carbene Complex**
ŞAHİN N., SERDAROĞLU G.
III. Uluslararası Battalgazi Bilimsel Çalışmalar Kongresi, Malatya, Turkey, 21 - 23 September 2019, pp.766-770
- VIII. **Solvent Effect On The Electronic Structure, Physicochemical Properties And Quantum Chemical Parameters Of The Substituted Indole Compound**
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