Assoc. Prof. DENİZ DEMİR ATLI

Personal Information

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International Researcher IDs
ScholarID: 6T_rdUwAAAAJ
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Education

Doctorate, Turkey 2006 - 2012
Postgraduate, Turkey 2001 - 2004
Undergraduate, Dokuz Eylul University, Buca Eğitim Fakültesi, Matematik Ve Fen Bilimleri Eğitimi Bölümü, Turkey 1996 - 2000

Foreign Languages

English

Dissertations

Doctorate, N-heterosiklik karbenlerin bakır(I) kimyası: Sentez ve homojen kataliz uygulamaları, 2012
Postgraduate, T-bütil sübstitüye fenoksitlerin bazı organometalik bileşikleri, 2004

Research Areas

Avesis Research Areas: Chemistry, Transition Metals, Catalysis, Metal Carbene Complexes, Organometallic Chemistry
WoS Research Areas: Chemistry Inorganic & Nuclear, Chemistry Multidisciplinary
Scopus Research Areas: Inorganic Chemistry

Academic Positions

Associate Professor, Manisa Celal Bayar University, 2022 - Present
Research Assistant, 2000 - Present

Courses

Undergraduate

Anorganik Malzemeler, Undergraduate, 2025 - 2026
Anorganik Malzemeler, Undergraduate, 2024-2025, 2022-2023
Anorganik Kimya I, Undergraduate, 2024-2025, 2023-2024
Sosyal Sorumluluk, Undergraduate, 2024-2025, 2023-2024, 2022-2023
Bitirme Projesi-I, Undergraduate, 2024-2025
Kimya II, Undergraduate, 2024-2025
Bitirme Projesi-II, Undergraduate, 2024-2025, 2023-2024
Genel Kimya II, Undergraduate, 2023-2024
Organometaller Kimyası, Undergraduate, 2023-2024
Genel Kimya, Undergraduate, 2023-2024
Bitirme Projesi I, Undergraduate, 2023-2024, 2022-2023
Anorganik Kimya II Laboratuvarı, Undergraduate, 2022-2023
Kimya, Undergraduate, 2022-2023
Bitirme Projesi II, Undergraduate, 2022-2023
Kimya, Undergraduate, 2020-2021

Articles

I. **Cationic N-heterocyclic carbene gold(I) complexes: synthesis and biological studies**
DEMİR ATLI D., Aksu D.
MONATSHEFTE FUR CHEMIE, vol.157, no.9, pp.1213-1219, 2026 (SCI-Expanded, Scopus)

II. **Synthesis, characterization, and antibacterial properties of novel N-heterocyclic carbene (NHC) precursors and their silver complexes**
DEMİR ATLI D., AVCI ÖZBEK H., Aksu D.
Monatshefte fur Chemie, vol.156, no.6, pp.631-636, 2025 (SCI-Expanded, Scopus)

III. **Synthesis and Characterization of Novel Selenium N,S-Heterocyclic Carbene Compounds**
DEMİR ATLI D.
Afyon Kocatepe Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, vol.24, no.4, pp.947-954, 2024 (TRDizin)

IV. **Air stable N-heterocyclic carbene silver complexes: synthesis, characterization, and antibacterial activity**
DEMİR ATLI D., Aksu D.
Journal of Coordination Chemistry, vol.76, no.11-12, pp.1497-1506, 2023 (SCI-Expanded, Scopus)

V. **A Mixed N-Heterocyclic Carbene/Triphenylphosphine Palladium(II) Complex for Suzuki-Miyaura Cross-Coupling Reactions**
DEMİR ATLI D.
Celal Bayar Üniversitesi Fen Bilimleri Dergisi, vol.17, no.4, pp.405-415, 2021 (TRDizin)

VI. **Dinuclear silver-bis(N-heterocyclic carbene) complexes: Synthesis, catalytic activity in propargylamine formation and computational studies**
DEMİR ATLI D., ŞEN YÜKSEL B.
Journal of Coordination Chemistry, vol.74, no.14, pp.2289-2301, 2021 (SCI-Expanded, Scopus)

VII. **Synthesis, characterization and catalytic properties of cationic N-heterocyclic carbene silver complexes**
Atli D.
TURKISH JOURNAL OF CHEMISTRY, vol.45, no.3, pp.577-612, 2021 (SCI-Expanded, Scopus, TRDizin)

VIII. **Synthesis and catalytic application of cyclopentadienyl nickel(II) N-heterocyclic carbene complexes**
DEMİR ATLI D.
Journal of Coordination Chemistry, vol.73, no.10, pp.1530-1537, 2020 (SCI-Expanded, Scopus)

IX. **Dinuclear N-heterocyclic carbene silver complexes: Synthesis, luminescence and catalytic studies**
DEMİR ATLI D., GÜLLE S.
Journal of Molecular Structure, vol.1179, pp.576-580, 2019 (SCI-Expanded, Scopus)

X. **Synthesis, Characterization and Catalytic Properties of Cationic N-Heterocyclic Carbene Copper(I) Complex**
DEMİR ATLI D., SÖZERLİ Ş. E.
Celal Bayar Üniversitesi Fen Bilimleri Dergisi, vol.15, no.1, pp.95-98, 2019 (TRDizin)

XI. **Synthesis and Characterization of Benzimidazolium Salts Bearing Triazole Groups**
DEMİR ATLI D.
Celal Bayar Üniversitesi Fen Bilimleri Dergisi, vol.14, no.1, pp.57-60, 2018 (TRDizin)

XII. **Synthesis and characterization of a novel 3-amino-1,2,4-triazole lead(II) coordination polymer**
Sözerli Ş. E., Özen A., Kani I., Demir D.
TURKISH JOURNAL OF CHEMISTRY, vol.38, no.4, pp.671-678, 2014 (SCI-Expanded, Scopus, TRDizin)

XIII. **Aqueous reduction of $[Cp^*_2W_2O_{51}]$: Characterization of the triangular clusters $[Cp^*_3W_3O_4(OH)_2]^{2+}$ and $[Cp^*_3W_3O_6]^{+}$ - Comparison with molybdenum**
Dinoi C., AKTAŞ P., Taban G., Demir D., DEMİRHAN F., Prikhodchenko P., Gun J., Lev O., Daran J., Poli R.
EUROPEAN JOURNAL OF INORGANIC CHEMISTRY, no.27, pp.4306-4316, 2007 (SCI-Expanded, Scopus)

XIV. **Reduction of $[Cp^*_2Mo_2O_5]$ in aqueous medium: Structure and properties of a triangular mixed oxo-hydroxo-bridged product, $[Cp^*_3Mo_3(\mu\text{-}O)_2(\mu\text{-}OH)_4](X)_2$ ($X = CF_3CO_2$ or CF_3SO_3)**
DEMİRHAN F., Çağatay B., Demir D., Baya M., Daran J., Poli R.
EUROPEAN JOURNAL OF INORGANIC CHEMISTRY, no.4, pp.757-764, 2006 (SCI-Expanded, Scopus)

XV. **Analitik Kimyada Aktif Eğitim Asit Baz İndikatörlerinin Karışık Çözgenlerde Öğrenci Tasarımlı titrasyon Uygulamaları**
AKÇAY H., KILINÇ ALPAT S., ÖTER Ö., DEMİR ATLI D., ÖZBAYRAK AZMAN Ö., KAYA E., ACAR B., BEKÇİ Z.
Buca Eğitim Fakültesi Dergisi, no.13, pp.69-74, 2001 (Peer-Reviewed Journal)

Books

I. **Synthesis and Characterization of Mixed N-Heterocyclic Carbene/Bidentate N-Donor Ligand Copper(I) Complexes**
DEMİR ATLI D.
in: Innovative Applications and Research Methods in Science and Mathematics, DEDE MUSTAFA, Editor, Platanus Publishing, Ankara, pp.99-108, 2025

II. **Palladium(II) Schiff Base Chelates: Synthesis, Characterization and Antibacterial Studies**
AVCI ÖZBEK H., DEMİR ATLI D.
in: International Research in Science and Mathematics, Özbaş Gerçeker Filiz, Akgül Hasan, Baba Hayri, Editor, Serüven Yayınevi, İzmir, pp.69-81, 2022

III. **Palladium-Catalyzed Suzuki Cross Coupling Reactions with Benzimidazolium Salts**
DEMİR ATLI D.
in: Theory and Practice in Mathematics and Natural Sciences, Demir Canan, Editor, Livre de Lyon, Livre, pp.85-94, 2021

IV. **Synthesis and Characterization of Benzothiazolium Salts Containing Substituted Benzyl Groups**
DEMİR ATLI D.
in: SCIENCE AND MATHEMATICS SCIENCESTheory, Current Researches and New Trends, Mehtap DÜZ, Editor, IVPE, pp.1-11, 2020

Papers Presented at Peer-Reviewed Scientific Conferences

I. **SYNTHESIS OF NEUTRAL N-HETEROCYCLIC CARBENE NICKEL(II) COMPLEX AND ITS USE IN SUZUKI-MIYAURA CROSS-COUPLING REACTION**
DEMİR ATLI D.

MAS 18th INTERNATIONAL EUROPEAN CONFERENCE ON MATHEMATICS, ENGINEERING, NATURAL & MEDICAL SCIENCES, Ankara, Turkey, 14 - 15 August 2023, (Summary Text)

II. **Schiff Baz İçeren Molibden(IV) Komplekslerinin Sentezi, Karakterizasyonu ve Antibakteriyal Özelliklerinin Belirlenmesi**
AVCI ÖZBEK H., DEMİR ATLI D.
Balkan yth International Conference on Applied Sciences, 03 February 2023, (Summary Text)

III. **NÖTRAL PALADYUM(II) N,O-SCHIFF BAZ KOMPLEKSİ: SENTEZ VE SUZUKI-MIYAURA ÇAPRAZ KENETLENME TEPKİMELERİNDE KATALİTİK AKTİVİTE**
DEMİR ATLI D.
8th International Congress on Life, Engineering and Applied Sciences in a Changing World, İzmir, Turkey, 07 January 2023, (Summary Text)

IV. **Synthesis of a New Schiff Base and Its Use in Palladium-Catalyzed Suzuki-Miyaura Cross Coupling Reactions**
DEMİR ATLI D., AVCI ÖZBEK H.
Ankara International Congress on Scientific Research-VII, Ankara, Turkey, 2 - 04 December 2022, (Summary Text)

V. **Fotolüminesans özelliğe sahip katyonik N-heterosiklik karben gümüş kompleksi**
DEMİR ATLI D.
MAS 10th International European Conference on Mathematics, Engineering, NaturalMedical Sciences, İzmir, Turkey, 14 - 15 December 2019, (Summary Text)

VI. **Nötral N-heterosiklik karben gümüş komplekserinin sentezi ve A3 kenetlenme tepkimelerindeki katalitik aktiviteleri**
DEMİR ATLI D.
4. International Conference on EngineeringNatural Sciences-ISPEC, Ankara, Turkey, 18 - 20 October 2019, (Summary Text)

VII. **N-heterosiklik karben nikel(II) komplekslerinin sentezi ve katalitik aktiviteleri**
DEMİR ATLI D.
Middle East International Conference on Contemporary Scientific Studies-II, Gaziantep, Turkey, 19 - 22 September 2019, (Summary Text)

VIII. **Ester Fonksiyonelli Benzimidazolyum Tuzlarının Sentezi ve Karakterizasyonu**
DEMİR ATLI D., SÖZERLİ Ş. E.
27. ULUSAL KİMYA KONGRESİ, Çanakkale, Turkey, 23 - 28 August 2015, (Summary Text)

IX. **Azit Alkin 3 2 Siklokatılma ve Hidrosililleme Tepkimelerinde N Heterosiklik Karben Bakır I Komplekslerinin Katalitik Aktivitelerinin İncelenmesi**
DEMİR ATLI D., SÖZERLİ Ş. E., ÇETİNKAYA B.
5. Ulusal Kataliz Kongresi, Turkey, 23 - 26 April 2014, (Summary Text)

Funded Projects

DEMİR ATLI D., AVCI ÖZBEK H., Project Supported by Higher Education Institutions, Karbenlerden Türeyen Kalkojenoüre Bileşiklerinin Sentezi ve Uygulamaları, 2024 - Present
DEMİR ATLI D., Project Supported by Higher Education Institutions, Nötral Ag(I) Komplekslerinin Katalizör ve Karben Transfer Reaktifleri Olarak Kullanımlarının Araştırılması, 2023 - 2024
DEMİR ATLI D., Project Supported by Higher Education Institutions, Karışık Ligantlı Bakır(I) N-Heterosiklik Karben Komplekslerinin Sentezi, Karakterizasyonu ve N-Arillenme Tepkimelerindeki Katalitik Özellikleri, 2022 - 2023
DEMİR ATLI D., Project Supported by Higher Education Institutions, Benzotiyazolin-2-liden İçeren Nikel(II) Komplekslerinin Sentezi, Karakterizasyonu ve C-C Coupling Tepkimelerindeki Katalitik Aktiviteleri, 2020 - 2022
DEMİR ATLI D., Project Supported by Higher Education Institutions, İki Dişli N-Heterosiklik Karben İçeren Bazı Geçiş Metal Komplekslerinin Sentezi, Karakterizasyonu ve Katalitik Aktivitelerinin İncelenmesi, 2019 - 2022
GÜLLE S., DEMİR ATLI D., Project Supported by Higher Education Institutions, N-Heterosiklik Karben Gümüş(I) Kompleksleri: Sentez, Karakterizasyon Ve Fotolüminesans Özellikleri, 2016 - 2018

DEMİR ATLI D., Project Supported by Higher Education Institutions, N-Heterosiklik Karben Gümüş(I) Kompleksleri: Sentez, Karakterizasyon ve Fotolüminesans Özellikleri, 2016 - 2018
DEMİR ATLI D., Project Supported by Higher Education Institutions, Heteroatom Fonksiyonelli N-Heterosiklik Karben Ligandları İçeren Nikel(II) Komplekslerinin Sentezi, Karakterizasyonu ve Katalitik Uygulamaları, 2014 - 2016
DEMİR ATLI D., Project Supported by Higher Education Institutions, N-Heterosiklik Karben Bakır(I) Komplekslerinin C-H/N-H Bağlarının Karboksilasyonu ve Hidrosililleme Tepkimelerinde Katalitik Aktivitelerinin İncelenmesi, 2012 - 2014
DEMİR ATLI D., Project Supported by Higher Education Institutions, Nhc-Bakır(I) Komplekslerinin Sentezi ve Katalitik Uygulamaları, 2009 - 2012
DEMİR ATLI D., Project Supported by Higher Education Institutions, (Hppme2si)(Me3si)2cli.Thf Ligandının Bazı Metal Halojenürler ile Oluşturduğu Organometalik Bileşiklerin Sentezi ve Yapı Tayini, 2005 - 2007
DEMİR ATLI D., Project Supported by Higher Education Institutions, Pirol Türevli Triazol Şif Bazlarının Bazı Geçiş Metal Komplekslerinin Sentezi ve Karakterizasyonu, 2005 - 2007
DEMİR ATLI D., Project Supported by Higher Education Institutions, Sulu Ortamda Yüksek Oksidasyon Haline Sahip Organomolibden Ve/Veya Organotungsten Bileşiklerinin Sentezi, 2004 - 2006

Metrics

Publication: 28
Citation (WoS): 42
Citation (Scopus): 69
H-Index (WoS): 4
H-Index (Scopus): 6