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International Researcher IDs

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Education Information

Doctorate, Bursa Uludağ University, FEN BİLİMLERİ ENSTİTÜSÜ, Kimya (Dr), Turkey 2005 - 2010

Postgraduate, Bursa Uludağ University, FEN BİLİMLERİ ENSTİTÜSÜ, Kimya (YI) (Tezli), Turkey 2002 - 2005

Undergraduate, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, Kimya Bölümü, Turkey 1998 - 2002

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Yeni imidazolyum türü n-heterosiklik karbenlerin sentezleri ve heck reaksiyonu ile bazı heterohalkalı bileşiklerin türevlendirilmelerindeki uygulamaları, Bursa Uludağ University, FEN BİLİMLERİ ENSTİTÜSÜ, 2010

Postgraduate, Bazı kinazolin türevlerinin sentezleri ve özelliklerinin araştırılması, Bursa Uludağ University, FEN BİLİMLERİ ENSTİTÜSÜ, 2005

Research Areas

Natural Sciences

Academic Titles / Tasks

Associate Professor, Bursa Uludağ University, Fen-Edebiyat Fakültesi, Kimya, 2024 - Continues

Assistant Professor, Bursa Uludağ University, Fen-Edebiyat Fakültesi, Kimya, 2018 - 2024

Research Assistant PhD, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, KİMYA, 2010 - 2018

Research Assistant PhD, The University of Manchester, School Of Chemistry, 2013 - 2014

Research Assistant, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, KİMYA, 2002 - 2010

Courses

GENERAL CHEMISTRY, Undergraduate, 2020 - 2021, 2019 - 2020
MEDICAL CHEMISTRY, Undergraduate, 2020 - 2021
KİMYA, Undergraduate, 2017 - 2018
GENEL KİMYA II, Undergraduate, 2017 - 2018
GENEL KİMYA I, Undergraduate, 2017 - 2018
BİTİRME ÇALIŞMASI I, Undergraduate, 2017 - 2018
GENEL KİMYA LABORATUVARI I, Undergraduate, 2017 - 2018
GENEL KİMYA LABORATUVARI II, Undergraduate, 2017 - 2018
GENEL KİMYA, Undergraduate, 2017 - 2018
BİTİRME ÇALIŞMASI II, Undergraduate, 2017 - 2018

Advising Theses

Çetin Korukçu M., Yeni N-heterosiklik karben-Pd-PEPSI komplekslerinin sentezleri ve bazı kenetlenme reaksiyonlarındaki katalitik etkinliklerinin araştırılması, Postgraduate, S.CAN(Student), 2022

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Pd-PEPSI type complexes bearing unsymmetrical NHC ligand with phenyl-substituted backbone: Highly efficient catalysts for Heck-Mizoroki and Suzuki-Miyaura cross-coupling reactions**
Korukcu M., Can S.
APPLIED ORGANOMETALLIC CHEMISTRY, vol.37, no.5, 2023 (SCI-Expanded)
- II. **Mn(OAc)₃ Induced C-4 Arylations of Quinazoline 3-Oxides with Arylboronic Acids**
Samandram R., Korukcu M., COŞKUN N.
SYNTHESIS-STUTTGART, vol.54, no.1, pp.210-216, 2022 (SCI-Expanded)
- III. **Eco-friendly H₂O₂ oxidation of 1,2-dihydroquinazoline-3-oxides to quinazoline-3-oxides**
Samandram R., Çetin Korukçu M., Coşkun N.
SYNTHETIC COMMUNICATIONS, vol.51, pp.2349-2356, 2021 (SCI-Expanded)
- IV. **Synthesis and catalytic activities of 1-alkoxycarbonyl- and 1-carbamoylmethyl-5-phenyl-3-aryl-3H-imidazol-1-yliden-Pd(II) complexes**
Korukcu M., Coskun N.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.832, pp.47-56, 2017 (SCI-Expanded)
- V. **Synthesis of Hindered Biaryls via Aryne Addition and in Situ Dimerization**
Garcia-Lopez J., Cetin M., Greaney M. F.
ORGANIC LETTERS, vol.17, no.11, pp.2649-2651, 2015 (SCI-Expanded)
- VI. **Pyrrolidine catalyzed reactions of cyclopentadiene with alpha,beta-unsaturated carbonyl compounds.: 1,2-versus 1,4-additions**
Coskun N., Cetin M., Gronert S., Ma J., Erden I.
TETRAHEDRON, vol.71, no.18, pp.2636-2642, 2015 (SCI-Expanded)
- VII. **Double Heteroatom Functionalization of Arenes Using Benzyne Three-Component Coupling**
Garcia-Lopez J., Cetin M., Greaney M. F.
ANGEWANDTE CHEMIE-INTERNATIONAL EDITION, vol.54, no.7, pp.2156-2159, 2015 (SCI-Expanded)
- VIII. **Thermal rearrangements of tetrahydroimidazo[1,5-b]isoxazole-2,3-dicarboxylates. Synthesis of 3H-imidazol-1-ium ylides and their silver derivatives**
Coskun N., Cetin M.
TETRAHEDRON, vol.66, no.11, pp.2053-2060, 2010 (SCI-Expanded)
- IX. **Rearrangements of tetrahydroimidazo[1,5-b]isoxazole-2,3-dicarboxylates to pyrrolo[1,2-e]imidazol-6-ols, precursors of 2,5-dihydro-1H-pyrrole derivatives**
Coskun N., Cetin M.

TETRAHEDRON, vol.65, no.3, pp.648-658, 2009 (SCI-Expanded)

X. **A new regioselective synthesis and ambient light photochemistry of quinoxalin-1-oxides**

Coskun N., Cetin M.

TETRAHEDRON, vol.63, no.14, pp.2966-2972, 2007 (SCI-Expanded)

XI. **Synthesis of 2-aryl-1,2,3,4-tetrahydroquinoxalin-1-ols and their conversion to 7-aryl-9H-6-oxa-5,8-diaza-benzocycloheptenes**

Coskun N., Cetin M.

TETRAHEDRON LETTERS, vol.45, no.49, pp.8973-8975, 2004 (SCI-Expanded)

Articles Published in Other Journals

I. **N-Alkoxy carbonyl / carbamoylmethyl substituted 1H-imidazol-2-yliden-Pd (II) complexes as highly efficient catalysts for Suzuki-Miyaura cross-coupling reaction**

Çetin Korukçu M.

Cumhuriyet Science Journal, vol.42, no.1, pp.30-37, 2021 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

I. **SYNTHESIS OF NEW [Pd(NHC)(3-Cl-py)Br₂] COMPLEXES AND COMPARISON OF THEIR CATALYTIC ACTIVITIES WITH [Pd(NHC)(py) Br₂] COMPLEXES**

ÇETİN KORUKÇU M.

KARADENİZ 12th INTERNATIONAL CONFERENCE ON APPLIED SCIENCES, Rize, Turkey, 3 - 05 March 2023

II. **The Comparison Of Taguchi Method And Classical Method For Optimization Of Reaction Parameters In Suzuki-Miyaura Reaction Catalysed By NHC-PD-PEPSSI Type Catalyst**

ÇETİN KORUKÇU M.

4. INTERNATIONAL GÖBEKLİTEPE SCIENTIFIC RESEARCH CONGRESS, Şanlıurfa, Turkey, 7 - 08 October 2022

III. **Direct Arylation Of 2-Phenylimidazo[1,2-A]Pyridine With Aryl/Heteroaryl Bromides By Using NHC-PD-PEPSSI Catalyst**

ÇETİN KORUKÇU M.

4. INTERNATIONAL GÖBEKLİTEPE SCIENTIFIC RESEARCH CONGRESS, Şanlıurfa, Turkey, 7 - 08 October 2022

IV. **Synthesis, thermal analysis and catalytic activities of 1-alkoxy carbonyl-and 1-carbamoylmethyl-5-phenyl-3-aryl-3H-imidazol-1-yliden-Pd(II) complexes**

ÇETİN M., COŞKUN N.

TRANS MEDITERRANEAN COLLOQUIUM ON HETEROCYCLIC CHEMISTRY, Turkey, 11 - 15 November 2015

V. **Synthesis and catalytic efficiency of novel palladium N-heterocyclic carbene enolate complexes in coupling reactions**

ÇETİN KORUKÇU M., COŞKUN N.

PAK-TURK Conference on Chemical Sciences, Turkey, 13 - 15 September 2012

VI. **Palladium N-heterocyclic carbene enolate complexes as new class of efficient Heck reaction catalysts.**

ÇETİN KORUKÇU M., COŞKUN N.

3rd Crystallographic Meeting, Turkey, 7 - 09 June 2012

Supported Projects

ÇETİN KORUKÇU M., ANDAK E. B., Project Supported by Higher Education Institutions, Havadan ve Nemden Etkilenmeyen Kararlı Bazı Pd-PEPSSI Komplekslerinin Sentezi, 2024 - Continues

ÇETİN KORUKÇU M., Project Supported by Higher Education Institutions, İmidazol Türevi Ligandlar İçeren Yeni Bazı

Metal Komplekslerinin Sentezi, 2020 - 2024

ÇETİN KORUKÇU M., ERBALTA E., Project Supported by Higher Education Institutions, N-Heterosiklik Karben ve 3-Kloropiridin İçeren Yeni Bazı NHC-Pd-PEPPSI Komplekslerinin Sentezi, 2022 - 2023

ÇETİN KORUKÇU M., CAN S., Project Supported by Higher Education Institutions, Yeni N-Heterosiklik Karben-Pd-PEPPSI Komplekslerinin Sentezleri ve Bazı Kenetlenme Reaksiyonlarındaki Katalitik Etkinliklerinin Araştırılması, 2021 - 2022

KILIÇ M., KARPAT E., ÇETİN KORUKÇU M., MUTLU M., TÜBİTAK - AB COST Project, İç Ortamlar İçin Taşınabilir Hava Temizleme Sistemi Tasarımı Ve Prototip İmalatı, 2019 - 2021

ÇETİN KORUKÇU M., Project Supported by Higher Education Institutions, Yeni İmidazolyum Türü N-Heterosiklik Karbenlerin Sentezleri ve Heck Reaksiyonundaki Uygulamaları, 2010 - 2011

Coşkun N., TUBİTAK Project, 2008 - 2010

Patent

Coşkun N., Çetin Korukçu M., KENETLEME REAKSİYONLARINI KATALİZLEYEN METAL HETEROSİKLİK KARBEN ENOLATLARIN SENTEZLERİ, Patent, CHAPTER C Chemistry; Metallurgy, The Invention Registration Number: 2015/15663 , Standard Registration, 2018

Metrics

Publication: 19

Citation (WoS): 134

Citation (Scopus): 145

H-Index (WoS): 6

H-Index (Scopus): 6

Scholarships

2019-BİDEP-YURTDIŞI DOKTORA SONRASI ARAŞTIRMA BURSUNU, TUBİTAK, 2013 - 2014

Non Academic Experience

THE UNIVERSITY OF MANCHESTER SCHOOL OF CHEMISTRY