

Prof. BÜLENT DÜZ

Personal Information

Office Phone: [+90 312 297 7952](tel:+903122977952) Extension: 7952

Office Phone: [+90 312 297 7940](tel:+903122977940) Extension: 7940

Fax Phone: [+90 312 299 2163](tel:+903122992163)

Email: bduz@hacettepe.edu.tr

Web: <https://avesis.hacettepe.edu.tr/bduz>

Education Information

Doctorate, Hacettepe University, Fen Bilimleri Enstitüsü, Kimya, Turkey 1990 - 1997

Postgraduate, Hacettepe University, Fen Bilimleri Enstitüsü, Kimya, Turkey 1987 - 1989

Undergraduate, Hacettepe University, Mühendislik Fakültesi, Kimya, Turkey 1981 - 1986

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Elektrokimyasal yöntemle üretilen katalizör sistemiyle olefin metatez tepkimelerinin incelenmesi, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Kimya (Dr), 1997

Postgraduate, W(CO)₆-CCl₄/hv katalizör sistemiyle halka açılımı metatez polimerizasyon tepkimelerinin incelenmesi, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), 1990

Research Areas

Chemistry, Inorganic Chemistry, Organometallic Chemistry, Natural Sciences

Academic Titles / Tasks

Professor, Hacettepe University, Fen Fakültesi, Kimya Bölümü, 2012 - Continues

Academic and Administrative Experience

Hacettepe Üniversitesi, Fen Fakültesi, Kimya Bölümü, 2014 - Continues

Advising Theses

DÜZ B., Tungsten ariloksit kompleksinin modifiye edilmiş PS-DVB mikrokürelerine immobilizasyonu ve olefinlerin halka

açılım metatez polimerizasyonuna uygulanması, Postgraduate, A.ÜNAL(Student), 2017

DÜZ B., Tungsten ariloksit kompleksinin modifiye edilmiş PS-DVB mikrokürelere immobilizasyonu üzerine bir çalışma:

Olefin metatez tepkimelerindeki aktivitesi ve uygulamaları, Postgraduate, E.TOPRAK(Student), 2010

SEVİN DÜZ F., DÜZ B., Catalytic activity of metal carbenes, synthesized with atomic carbon and tungsten hexachloride (WCl₆), in olefin metathesis reactions, Postgraduate, D.YÜKSEL(Student), 2007

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Endonasal endoscopic approach for sellar metastatic pathologies: a national observation**
KAHILOĞULLARI G., Bayatlı E., Geyik M., ÇABUK B., BETON S., Gunaldi O., Tanriverdi O., ÇETİNALP N. E., TARKAN Ö., Yıldırım A. E., et al.
BRITISH JOURNAL OF NEUROSURGERY, vol.37, no.2, pp.206-212, 2023 (SCI-Expanded)
- II. **Multi-Staged Endoscope-Assisted Microsurgical Resection of A Triventricular Choroid Plexus Carcinoma**
Turkoglu E., Gurer B., Onguru O., Duz B.
JOURNAL OF NEUROLOGICAL SCIENCES-TURKISH, vol.30, no.4, pp.823-828, 2013 (SCI-Expanded)
- III. **Reaction of atomic carbon with isomeric cresols**
Sökmen I., Ece A., DÜZ B., Sevin F.
Letters in Organic Chemistry, vol.6, no.8, pp.650-653, 2009 (SCI-Expanded)
- IV. **Application of carbon arc-generated Mo and W-based catalyst systems to the ROMP of norbornene**
DÜZ B., Elbistan C. K., Ece A., Sevin F.
Applied Organometallic Chemistry, vol.23, no.9, pp.359-364, 2009 (SCI-Expanded)
- V. **DFT study of the 1-octene metathesis reaction mechanism with WCl₆/C catalytic system**
YÜKSEL D., DÜZ B., SEVIN F.
JOURNAL OF PHYSICAL CHEMISTRY A, vol.112, no.20, pp.4636-4643, 2008 (SCI-Expanded)
- VI. **Metal-containing polymers synthesized via acyclic diene metathesis (ADMET) polymerization using electrochemically-reduced tungsten-based catalyst: Polycarbosilanes**
Karabulut S., AYDOĞDU C., DÜZ B., İmamoglu Y.
Journal of Inorganic and Organometallic Polymers and Materials, vol.17, no.3, pp.517-523, 2007 (SCI-Expanded)
- VII. **The first example of tungsten-based carbene generation from WC₁(6) and atomic carbon and its use in olefin metathesis**
Duz B., Yuksel D., Ece A., Sevin F.
TETRAHEDRON LETTERS, vol.47, no.29, pp.5167-5170, 2006 (SCI-Expanded)
- VIII. **Metal-containing polymers synthesized via acyclic diene metathesis (ADMET) polymerization using electrochemically reduced tungsten-based catalyst: Polycarbogermanes**
KARABULUT S., Aydogdu C., DUEZ B., IMAMOGLU Y.
JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS, vol.16, no.2, pp.115-122, 2006 (SCI-Expanded)
- IX. **The WCl₆-e--Al-CH₂Cl₂ catalyzed polyentenamer formation via ring-opening metathesis polymerization (ROMP)**
Dereli O., DÜZ B., İmamoglu Y.
European Polymer Journal, vol.42, no.2, pp.368-374, 2006 (SCI-Expanded)
- X. **Application of electrochemically generated molybdenum-based catalyst system to the ring-opening metathesis polymerization of norbornene and a comparison with the tungsten analogue**
DERELI O., Aydogdu C., DUZ B., IMAMOGLU Y.
APPLIED ORGANOMETALLIC CHEMISTRY, vol.19, no.7, pp.834-840, 2005 (SCI-Expanded)
- XI. **Synthesis and characterization of polyoctenamer with WCl₆-e --Al-CH₂Cl₂ catalyst system via ring-opening metathesis polymerization**
Çetinkaya S., Karabulut S., DÜZ B., İmamoglu Y.
Applied Organometallic Chemistry, vol.19, no.3, pp.347-351, 2005 (SCI-Expanded)

- XII. **Ring-opening metathesis polymerization of cyclododecene using an electrochemically reduced tungsten-based catalyst**
Karabulut S., Çetinkaya S., DÜZ B., Imamoğlu Y.
Applied Organometallic Chemistry, vol.18, no.8, pp.375-379, 2004 (SCI-Expanded)
- XIII. **Electrochemically generated tungsten-based active species as catalysts for metathesis-related reactions: 2. Ring-opening metathesis polymerization of norbornene**
Dereli O., DÜZ B., Zümreoğlu-Karan B., Imamoğlu Y.
Applied Organometallic Chemistry, vol.18, no.3, pp.130-134, 2004 (SCI-Expanded)
- XIV. **Electrochemically reduced tungsten-based active species as catalysts for cross-metathesis reactions: Cross-metathesis of erucic acid with 2-octene**
Çetinkaya S., DÜZ B., Imamoğlu Y.
Applied Organometallic Chemistry, vol.18, no.1, pp.19-22, 2004 (SCI-Expanded)
- XV. **Electrochemically generated catalyst system with increased specificity and efficiency for olefin metathesis**
DÜZ B., PEKMEZ K., Imamoğlu Y., Süzer Ş., Yıldız A.
Journal of Organometallic Chemistry, vol.684, pp.77-81, 2003 (SCI-Expanded)
- XVI. **Trapping of a cycloheptatetraene in the reaction of atomic carbon with phenol**
Sevin F., Sökmen I., DÜZ B., Shevlin P. B.
Tetrahedron Letters, vol.44, no.16, pp.3405-3407, 2003 (SCI-Expanded)
- XVII. **Electrochemically reduced tungsten-based active species as catalysts for cross-metathesis reactions: Cross-metathesis of non-functionalized olefins**
Çetinkaya S., DÜZ B., Imamoğlu Y.
Applied Organometallic Chemistry, vol.17, no.4, pp.232-235, 2003 (SCI-Expanded)
- XVIII. **Electrochemically generated tungsten-based active species as catalysts for metathesis-related reactions: 1. Acyclic diene metathesis polymerization of 1,9-decadiene**
Dereli O., DÜZ B., Zümreoğlu-Karan B., Imamoğlu Y.
Applied Organometallic Chemistry, vol.17, no.1, pp.23-27, 2003 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **Admet polymerization activities of electrochemically reduced W-based active species for Ge- and Sn-containing dienes**
Karabulut S., AYDOĞDU C., DÜZ B., İMAMOĞLU Y.
Conference of the NATO Advanced Study Institute on New Frontiers in Metathesis Chemistry, Antalya, Turkey, 4 - 16 September 2006, vol.243, pp.361-363
- II. **A study on the reactivity of $WCl_6 \cdot e(-)$ -Al-CH₂Cl₂ with the silicon-containing dienes**
Karabulut S., AYDOĞDU C., DÜZ B., Imamoğlu Y.
Conference of the NATO Advanced Study Institute on New Frontiers in Metathesis Chemistry, Antalya, Turkey, 4 - 16 September 2006, vol.243, pp.367-368

Supported Projects

DÜZ B., ÜNAL A., Project Supported by Higher Education Institutions, TUNGSTEN ARİLOKSİT KOMPLEKSİNİN MODİFİYE EDİLMİŞ PS-DVB MİKROKÜRELERİNE İMMOBİLİZASYONU VE NORBORNENİN HALKA AÇILIMI METATEZ POLİMERİZASYONUNA UYGULAMASI, 2014 - 2016

Metrics

Publication: 20

Citation (WoS): 153

Citation (Scopus): 141

H-Index (WoS): 9

H-Index (Scopus): 9

Non Academic Experience

Hacettepe Üniversitesi

Hacettepe Üniversitesi

Hacettepe Üniversitesi