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Publons / Web Of Science ResearcherID: O-2046-2013

ScopusID: 6603853666

Yoksis Researcher ID: 152374

Education Information

Post Doctorate, University of Pennsylvania, Arts and Science, Department of Chemistry, United States Of America 2012 - 2015

Doctorate, Georg-August-Universitaet Göttingen, Organik Kimya, Germany 2002 - 2005

Postgraduate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Kimya (YI) (Tezli), Turkey 1999 - 2002

Undergraduate, Middle East Technical University, Faculty Of Arts And Sciences, Department Of Chemistry, Turkey 1994 - 1999

Foreign Languages

English

German, B2 Upper Intermediate

Dissertations

Doctorate, One-pot Two-step Queuing Cascades Involving a Heck Coupling, Pi Allylpalladium Trapping and Diels-Alder Reaction, Georg-August-Universitaet Göttingen, Organik Kimya, 2005

Postgraduate, The reaction of ferrocenyl chromium carbene complex with cyclobutenediones, Orta Doğu Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), 2002

Research Areas

Basic Sciences, Chemistry

Academic Titles / Tasks

Associate Professor, Istanbul Technical University, Fen-Edebiyat, Kimya, 2017 - Continues

Assistant Professor, Istanbul Technical University, Fen-Edebiyat, Kimya, 2007 - 2017

Academic and Administrative Experience

İstanbul Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Kimya Bölümü, 2009 - Continues

Courses

Kimyaya Giriş ve Etik, Undergraduate, 2021 - 2022

CYCLIZATION REACTIONS WITH METALS, Doctorate, 2016 - 2017

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Ambipolar, multichromic metallopolymers of poly (3,4-ethylenedioxythiophene)**
Güven N., Yücel B., Sultanova H., ÇAMURLU P.
DYES AND PIGMENTS, vol.205, 2022 (SCI-Expanded)
- II. **Multichromic metallopolymers of poly(2,5-dithienylpyrrole)s derived through tethering of ruthenium(II) bipyridyl complex**
Güven N., Yücel B., Sultanova H., ÇAMURLU P.
ELECTROCHIMICA ACTA, vol.424, 2022 (SCI-Expanded)
- III. **Synthesis of 3-Amino-4-iodothiophenes through Iodocyclization of 1-(1,3-Dithian-2-yl)propargylamines**
İsmailoğlu E., Mert Z., Dinc M., Kaya K., Yücel B.
EUROPEAN JOURNAL OF ORGANIC CHEMISTRY, vol.2021, no.29, pp.4107-4124, 2021 (SCI-Expanded)
- IV. **Tuning of electrochromic properties of electrogenerated polythiophenes through Ru(II) complex tethering and backbone derivatization**
Güven N., Sultanova H., Ozer B., Yücel B., ÇAMURLU P.
ELECTROCHIMICA ACTA, vol.329, 2020 (SCI-Expanded)
- V. **Beryllium ion sensing through the ion pair formation between the electrochemically reduced ferrocenyl naphthoquinone radicals and Be²⁺ ions**
Atasen S. K., Alçay Y., Yavuz Ö., Yücel B., Yılmaz İ.
JOURNAL OF CHEMICAL SCIENCES, vol.131, no.5, 2019 (SCI-Expanded)
- VI. **Palladium-Catalyzed Allylic Alkylation of 2-Aryl-1,3-Dithianes, an Umpolung Synthesis of beta,gamma-Unsaturated Ketones**
Trongsiriwat N., Li M., Pascual-Escudero A., Yücel B., Walsh P. J.
ADVANCED SYNTHESIS & CATALYSIS, vol.361, no.3, pp.502-509, 2019 (SCI-Expanded)
- VII. **Solution processable fluorene-extended Indeno[1,2-b]anthracenes: Synthesis, characterization and photophysical properties**
Yücel B., Akcebe N., Desde M., Tekin E., Mucur S. P., ÇAMURLU P.
DYES AND PIGMENTS, vol.156, pp.82-90, 2018 (SCI-Expanded)
- VIII. **New ferrocenyl naphthoquinone fused crown ether chemosensors: Highly selective, kinetically and regio controlled colorimetric, beryllium ion recognition**
Alçay Y., Yavuz Ö., Gelir A., ATASEN S. K., KARAOĞLU K., Yücel B., TUZUN N., Yılmaz İ.
Journal of Organometallic Chemistry, vol.868, pp.131-143, 2018 (SCI-Expanded)
- IX. **Post Polymerization Functionalization of a Soluble Poly(2,5-dithienylpyrrole) Derivative via Click Chemistry**
Güven N., ÇAMURLU P., Desde M., Yücel B.
JOURNAL OF THE ELECTROCHEMICAL SOCIETY, vol.164, no.7, 2017 (SCI-Expanded)
- X. **Umpolung Synthesis of Diarylmethylamines via Palladium-Catalyzed Arylation of N-Benzyl Aldimines**
Li M., Yücel B., Jimenez J., Rotella M., Fu Y., Walsh P. J.
ADVANCED SYNTHESIS & CATALYSIS, vol.358, no.12, pp.1910-1915, 2016 (SCI-Expanded)
- XI. **A Novel Ferrocenyl Naphthoquinone Fused Crown Ether as a Multisensor for Water Determination in Acetonitrile and Selective Cation Binding**

Dagdevren M., Yılmaz İ., YUCEL B., EMIRIK M.

JOURNAL OF PHYSICAL CHEMISTRY B, vol.119, no.38, pp.12464-12479, 2015 (SCI-Expanded)

- XII. **Multichromic polymers based on pyrene clicked thienylpyrrole**
Güven N., ÇAMURLU P., Yücel B.
POLYMER INTERNATIONAL, vol.64, no.6, pp.758-765, 2015 (SCI-Expanded)
- XIII. **Reversed-Polarity Synthesis of Diaryl Ketones through Palladium-Catalyzed Direct Arylation of 2-Aryl-1,3-dithianes**
Yücel B., Walsh P. J.
ADVANCED SYNTHESIS & CATALYSIS, vol.356, no.17, pp.3659-3667, 2014 (SCI-Expanded)
- XIV. **Synthesis and characterization of solution processable 6,11-dialkynyl substituted indeno[1,2-b]anthracenes**
Yücel B., Meral K., EKİNCİ D., UZUNOĞLU G. Y., TUZUN N. S., ÖZBEY S., Kazak C., OZDEMİR Y., SANLI B., KAYIK G., et al.
DYES AND PIGMENTS, vol.100, pp.104-117, 2014 (SCI-Expanded)
- XV. **Synthesis of diarylmethylamines via palladium-catalyzed regioselective arylation of 1,1,3-triaryl-2-azaallyl anions**
Li M., Yücel B., Adrio J., Bellomo A., Walsh P. J.
CHEMICAL SCIENCE, vol.5, no.6, pp.2383-2391, 2014 (SCI-Expanded)
- XVI. **Multichromic, ferrocene clicked poly(2,5-dithienylpyrrole)s**
Bicil Z., ÇAMURLU P., Yücel B., Becer B.
JOURNAL OF POLYMER RESEARCH, vol.20, no.9, 2013 (SCI-Expanded)
- XVII. **Palladium-catalyzed reaction of 2-iodoferrocenyl alcohols with internal alkynes: Synthesis of functionally 1,2-disubstituted ferrocenes and ferroceno-pyrans**
Yücel B., SANLI B., SOYLEMEZ H., AKBULUT H.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.704, pp.49-64, 2012 (SCI-Expanded)
- XVIII. **Colour-responsive fluorescent oxy radical sensors**
Yücel B., SANLI B., AKBULUT H., ÖZBEY S., BENNISTON A. C.
ORGANIC & BIOMOLECULAR CHEMISTRY, vol.10, no.9, pp.1775-1784, 2012 (SCI-Expanded)
- XIX. **Synthesis and electro-spectroelectrochemistry of ferrocenyl naphthaquinones**
Yücel B., SANLI B., SOYLEMEZ H., Yılmaz İ.
TETRAHEDRON, vol.67, no.7, pp.1406-1421, 2011 (SCI-Expanded)
- XX. **Domino Heck-Diels-Alder reactions of monosubstituted bicyclopropylidenes**
Yücel B., NOLTEMEYER M., DE MEIJERE A.
EUROPEAN JOURNAL OF ORGANIC CHEMISTRY, no.6, pp.1072-1078, 2008 (SCI-Expanded)
- XXI. **Cyclopropyl building blocks in organic synthesis, part 143. A two-step, three-component queuing cascade leading to dihydrobenzoxepine and dihydrobenzazepine derivatives**
Yücel B., VALENTIC N., NOLTEMEYER M., DE MEIJERE A.
EUROPEAN JOURNAL OF ORGANIC CHEMISTRY, no.24, pp.4081-4090, 2007 (SCI-Expanded)
- XXII. **Diels-Alder reactions of novel (1'-aryllallylidene)cyclopropanes with heterodienophiles**
Zhao L., Yücel B., SCHEURICH R. P., FRANK D., DE MEIJERE A.
CHEMISTRY-AN ASIAN JOURNAL, vol.2, no.2, pp.273-283, 2007 (SCI-Expanded)
- XXIII. **A two-step four-component queuing cascade involving a Heck coupling, pi-allylpalladium trapping and Diels-Alder reaction**
Yücel B., ARVE L., DE MEIJERE A.
TETRAHEDRON, vol.61, no.48, pp.11355-11373, 2005 (SCI-Expanded)
- XXIV. **Palladium-catalyzed cross-coupling reactions and electrocyclizations - efficient combinations for new cascade reactions**
de Meijere A., SCHELPER M., KNOKE M., Yücel B., SUNNEMANN H., SCHEURICH R., ARVE L.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.687, no.2, pp.249-255, 2003 (SCI-Expanded)
- XXV. **Synthesis of ferrocenyl quinones**
Zora M., Yücel B., ACIKALIN S.

TETRAHEDRON LETTERS, vol.44, no.10, pp.2237-2241, 2003 (SCI-Expanded)

XXVI. Coupling of ferrocenyl chromium carbene complex with cyclobutenediones

ZORA M., Yücel B., Bekir P.

JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.656, pp.11-17, 2002 (SCI-Expanded)

XXVII. Reaction of 4 methoxy 4 1 methylethenyl 2 cyclobutenone derivatives with 2 lithiopropene and alpha lithiostyrene synthesis of eight membered ring carbocycles

ZORA M., İlkey K., Yücel B.

TETRAHEDRON LETTERS, vol.41, pp.7111-7114, 2000 (SCI-Expanded)

Supported Projects

Yücel B., Project Supported by Higher Education Institutions, Halkalı 13ditiyoasetal süstitüye propargilamin türevlerinden halka genişlemesi yöntemiyle ditiyepin ve ditiyonin türevlerinin sentezi, 2021 - Continues

Yücel B., TUBITAK Project, Geçiş Metal Kompleksleri İçeren Elektroaktif Politiyofenlerin Sentezi ve Elektrokromik Özelliklerinin İncelenmesi, 2017 - Continues

Yücel B., Mert Z., Project Supported by Higher Education Institutions, 1-(1,3-DİTİYEN-2-İL)PROPARGİLAMİNLERİN İYODOSİKLİZASYONU İLE 3-AMİNO-4-İYODOTİYOFENLERİN SENTEZİ, 2021 - 2022

Yücel B., TUBITAK Project, 1,3-Ditiyen Temelli Metal Katalizli Sentetik Metotların Geliştirilmesi, 2020 - 2022

Yücel B., Project Supported by Higher Education Institutions, Elektrokromik Uygulamalara Yönelik Tiyofen İçeren Rutenyum Komplekslerinin Sentezi, 2018 - 2021

Yücel B., Project Supported by Higher Education Institutions, Asen-Fluoren Hibrit Oligomerler, 2011 - 2021

Yücel B., Project Supported by Higher Education Institutions, Benzosiklobütendion Temelli Yeni Antrasen Türevleri, 2011 - 2021

Yücel B., Project Supported by Higher Education Institutions, Diarilmetilamin ve Diaril Ketonların Deprotanatif-Çapraz-Kenetlenme İşlemiyle Terspolarize Sentezi, 2016 - 2018

Yücel B., Project Supported by Higher Education Institutions, "Elektroaktif Polimerler için İridium Metali İçeren Organometalik Monomer Komplekslerin Sentezi", 2016 - 2018

Yücel B., TUBITAK Project, Benzosiklobütendion Temelli Organik Moleküler Materyaller: Yeni Antrasen Türevleri, 2011 - 2012

Yücel B., Project Supported by Higher Education Institutions, Rasemik O-İodo Ferrosenil Alkollerin İnternal Alkinlerle Paladyum Katalizli Tepkimesi, 2010 - 2012

Yücel B., Project Supported by Higher Education Institutions, Ferrosenil Siklopentenon Türevlerinin Alkinlerin Pd-katalizli Halkalaşma Tepkimesi ile Sentezi, 2008 - 2012

Yücel B., Project Supported by Higher Education Institutions, FERROSENİL NAFTAKİNON TÜREVLERİNİN SENTEZİ, 2009 - 2011

Yücel B., TUBITAK Project, Ferrosenil Piran ve Ferrosenil Dihidropiridin Türevlerinin Alkinlerin Paladyum Katalizli Halkalaşma Tepkimesi ile Sentezi, 2008 - 2011

Yücel B., TUBITAK Project, Ferrosenil Naftakinon Türevlerinin Sentezi, 2009 - 2010

Metrics

Publication: 30

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H-Index (Scopus): 10

Scholarships

