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Kişisel Bilgiler

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Eğitim Bilgileri

Doktora, İnönü Üniversitesi, Fen Bilimleri Enstitüsü, Kimya, Türkiye 2004 - 2008

Yüksek Lisans, İnönü Üniversitesi, Fen Bilimleri Enstitüsü, Kimya, Türkiye 2002 - 2004

Lisans, İnönü Üniversitesi, Fen Edebiyat Fakültesi, Kimya, Türkiye 1997 - 2001

Yaptığı Tezler

Doktora, Karbon-halojenür bağlarının n-heterosiklik karben katalizörleri ile aktivasyonu, İnönü Üniversitesi, Fen-Edebiyat Fakültesi, 2008

Araştırma Alanları

Kimya, İnorganik Kimya, Biyoorganik Kimya, Kataliz, Koordinasyon Kimyası, Metal karben kompleksleri, Metal olefin kompleksleri, Metaller, Nanokümler, Organometalik Kimya, Yeni Ligandlar, Temel Bilimler

Akademik Unvanlar / Görevler

Prof.Dr., İnönü Üniversitesi, Fen-Edebiyat Fakültesi, 2017 - Devam Ediyor

Doç.Dr., İnönü Üniversitesi, Fen-Edebiyat Fakültesi, 2014 - 2017

Doç.Dr., 2011 - 2014

Yrd.Doç.Dr., 2008 - 2011

Mesleki Deneyim

Bölüm Başkan Yardımcısı, Gaziosmanpaşa Üniversitesi, Fen-Edebiyat Fakültesi, Kimya Bölümü, 2010 - 2011

Verdiği Dersler

Temel Kimya, Lisans, 2016 - 2017

Tez Yönetimi, Yüksek Lisans, 2016 - 2017

Genel Kimya, Lisans, 2016 - 2017

Anorganik Kimya III, Lisans, 2016 - 2017

Uzmanlık Alan Dersi, Yüksek Lisans, 2016 - 2017

Yönetilen Tezler

Yaşar S., Palladyum N-heterosiklik karben komplekslerinin sentezi ve C-C bağ oluşum reaksiyonlarındaki aktivitelerinin incelenmesi, Yüksek Lisans, F.İMİK(Öğrenci), 2019

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SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Anticancer, antimicrobial and antiparasitical activities of copper(I) complexes based on N-heterocyclic carbene (NHC) ligands bearing aryl substituents**
Touj N., Al Nasr I. S. , Koko W. S. , Khan T. A. , ÖZDEMİR İ., YAŞAR S., Mansour L., Alresheedi F., Hamdi N.
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- II. **Biological Activities of NHC-Pd(II) Complexes Based on Benzimidazolylidene N-heterocyclic Carbene (NHC) Ligands Bearing Aryl Substituents (dagger)**
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- III. **Ru(ii)-N-heterocyclic carbene complexes: synthesis, characterization, transfer hydrogenation reactions and biological determination**
Boubakri L., Chakchouk-Mtibaa A., Al-Ayed A. S. , Mansour L., Abutaha N., Harrath A. H. , Mellouli L., ÖZDEMİR İ., YAŞAR S., Hamdi N.
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- IV. **Synthesis and investigation of catalytic activity of phenylene - And biphenylene bridged bimetallic Palladium-PEPPSI complexes**
Imik F., YAŞAR S., ÖZDEMİR İ.
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- V. **Synthesis of bridged palladium-PEPPSI complexes and catalytic studies in C-C cross-coupling reactions**
Imik F., YAŞAR S., ÖZDEMİR İ.
INORGANICA CHIMICA ACTA, cilt.495, 2019 (SCI İndekslerine Giren Dergi)
- VI. **Investigation of hybrid-capacitor properties of ruthenium complexes**
ALTIN S., Oz E., Altundag S., BAYRÍ A., Roisnel T., Dorcet V., Bruneau C., ÖZDEMİR İ., YAŞAR S.
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, cilt.43, ss.6840-6851, 2019 (SCI İndekslerine Giren Dergi)
- VII. **In situ palladium/N-heterocyclic carbene complex catalyzed carbonylative cross-coupling reactions of arylboronic acids with 2-bromopyridine under CO pressure: efficient synthesis of unsymmetrical arylpyridine ketones and their antimicrobial activities**
Boubakri L., Al-Ayed A. S. , Mansour L., Harrath A. A. , Al-Tamimi J., Ozdemir I., Yasar S., Hamdi N.
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- VIII. **Synthesis, spectroscopic properties and biological activity of new Cu(I) N-Heterocyclic carbene complexes**
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JOURNAL OF MOLECULAR STRUCTURE, cilt.1181, ss.209-219, 2019 (SCI İndekslerine Giren Dergi)
- IX. **Preparation and characterization of PEPPSI-palladium N-heterocyclic carbene complexes using benzimidazolium salts catalyzed Suzuki-Miyaura cross coupling reaction and their antitumor and antimicrobial activities**
Boubakri L., Dridi K., Al-Ayed A. S. , ÖZDEMİR İ., YAŞAR S., Hamdi N.
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- X. **Cationic versus anionic Pt complex: The performance analysis of a hybrid-capacitor, DFT calculation and electrochemical properties**
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- XI. **Synthesis and catalytic activity of ionic palladium N-heterocyclic carbene complexes**
YAŞAR S., Akkoc M., ÖZDEMİR N., ÖZDEMİR İ.
TURKISH JOURNAL OF CHEMISTRY, cilt.43, ss.1622-1641, 2019 (SCI İndekslerine Giren Dergi)
- XII. **Heterogenization of homogeneous NHC-Pd-pyridine catalysts and investigation of their catalytic activities in Suzuki-Miyaura coupling reactions**
BOZTEPE C., KÜNKÜL A., YAŞAR S., GÜRBÜZ N.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, cilt.872, ss.123-134, 2018 (SCI İndekslerine Giren Dergi)
- XIII. **Protonated water-soluble N-heterocyclic carbene ruthenium(II) complexes: Synthesis, cytotoxic and DNA binding properties and molecular docking study**
AKKOC M., BALCIOGLU S., GÜRSES C., Tok T. T. , ATEŞ B., YAŞAR S.
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- XIV. **Synthesis, characterisation and cytotoxic properties of N-heterocyclic carbene silver(I) complexes**
YAŞAR Ş., KÖPRÜLÜ T. K. , Tekin S., YAŞAR S.
INORGANICA CHIMICA ACTA, cilt.479, ss.17-23, 2018 (SCI İndekslerine Giren Dergi)
- XV. **Investigation of potential hybrid capacitor property of chelated N-Heterocyclic carbene Ruthenium(II) complex**
AKKOÇ M., ÖZ E., DEMİREL S., DORCET V., ROISNEL T., BAYRİ A., BRUNEAU C., ALTIN S., YAŞAR S., ÖZDEMİR İ.
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- XVI. **Palladium PEPSI complexes: Synthesis and catalytic activity on the Suzuki-Miyaura coupling reactions for aryl bromides at room temperature in aqueous media**
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- XVII. **Sonogashira cross-coupling reaction catalysed by mixed NHC-Pd-PPh₃ complexes under copper free conditions**
touj N., YAŞAR S., Ozdemir N., Hamdi N., ÖZDEMİR İ.
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- XVIII. **Sulfonated N-heterocyclic carbene-silver (I) complexes: Synthesis, characterisation and biological evaluation**
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- XIX. **Electrical and photoelectrical characterization of organic-inorganic heterostructures based on Ru-N-heterocyclic carbene complexes**
YAŞAR S., Cekirdek S., Binbay N. E. , Tombak A., Ocak Y. S. , Arslan N., Baysal A., Aydemir M., Durap F.
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- XX. **Sonogashira cross-coupling reaction catalyzed by N-heterocyclic carbene-Pd(II)-PPh₃ complexes under copper free and aerobic conditions**
Dehimat Z. I. , YAŞAR S., Tebbani D., ÖZDEMİR İ.
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- XXI. **N-Heterocyclic carbene-Pd(II)-PPh₃ complexes as a new highly efficient catalyst system for the Sonogashira cross-coupling reaction: Synthesis, characterization and biological activities**
BOUBAKRI L., MANSOUR L., HARRATH A. H. , ÖZDEMİR İ., YAŞAR S., HAMDI N.
JOURNAL OF COORDINATION CHEMISTRY, cilt.71, ss.183-199, 2018 (SCI İndekslerine Giren Dergi)
- XXII. **Efficient in situ N-heterocyclic carbene palladium(ii) generated from Pd(OAc)₂ catalysts for carbonylative Suzuki coupling reactions of arylboronic acids with 2-bromopyridine under inert conditions leading to unsymmetrical arylpyridine ketones: synthesis, characterization and cytotoxic activities**
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- XXIII. **Pd-N-Heterocyclic carbene catalysed Suzuki-Miyaura coupling reactions in aqueous medium**
KARACA E. Ö. , Akkoc M., YAŞAR S., ÖZDEMİR İ.

ARKIVOC, ss.230-239, 2018 (SCI İndekslerine Giren Dergi)

- XXIV. **Copper-catalyzed azide-alkyne cycloaddition (CuAAC) under mild condition in water: Synthesis, catalytic application and biological activities**
Touj N., CHAKCHOUK-MTIBAA A., MANSOUR L., HARRATH A. H., AL-TAMIMI J. H., ÖZDEMİR İ., MELLOULI L., YAŞAR S., HAMDI N.
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- XXV. **Synthesis of sterically hindered N-benzyladamantyl substituted benzimidazol-2-ylidene palladium complexes and investigation of their catalytic activity in aqueous medium**
Dehimat Z. I., PAŞAHAN A., Tebbani D., YAŞAR S., ÖZDEMİR İ.
TETRAHEDRON, cilt.73, ss.5940-5945, 2017 (SCI İndekslerine Giren Dergi)
- XXVI. **An efficient (NHC) Copper (I)-catalyst for azide-alkyne cycloaddition reactions for the synthesis of 1,2,3-trisubstituted triazoles: Click chemistry**
Touj N., ÖZDEMİR İ., YAŞAR S., Hamdi N.
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- XXVII. **A novel ditopic ring-expanded N-heterocyclic carbene ligand-assisted Suzuki-Miyaura coupling reaction in aqueous media**
KARACA E. Ö., AKKOÇ M., TAHIR M. N., ARICI C., IMİK F., GÜRBÜZ N., YAŞAR S., ÖZDEMİR İ.
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- XXVIII. **An Efficient Protocol for Palladium N-Heterocyclic Carbene-Catalysed Suzuki-Miyaura Reaction at room temperature**
AKKOÇ M., IMİK F., YAŞAR S., DORCET V., roisnel T., BRUNEAU C., ÖZDEMİR İ.
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- XXIX. **Synthesis and catalytic applications of palladium N-heterocyclic carbene complexes as efficient pre-catalysts for Suzuki-Miyaura and Sonogashira coupling reactions**
BOUBAKRI L., YAŞAR S., DORCET V., ROISNEL T., BRUNEAU C., HAMDI N., ÖZDEMİR İ.
NEW JOURNAL OF CHEMISTRY, cilt.41, ss.5105-5113, 2017 (SCI İndekslerine Giren Dergi)
- XXX. **A Palladium Catalyst System for the Efficient Cross-Coupling Reaction of Aryl Bromides and Chlorides with Phenylboronic Acid: Synthesis and Biological Activity Evaluation**
Lamia B., Chakchouk-Mtibaa A., Hallouma B., Mansour L., Mellouli L., ÖZDEMİR İ., YAŞAR S., hamdi N.
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- XXXI. **Novel ruthenium(II)-N-heterocyclic carbene complexes; synthesis, characterization and catalytic application**
YAŞAR S., KARACA E. Ö., Sahin C., ÖZDEMİR İ., Sahin O., Buyukgungor O.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, ss.1-7, 2015 (SCI İndekslerine Giren Dergi)
- XXXII. **Synthesis, characterization and the Suzuki-Miyaura coupling reactions of N-heterocyclic carbene-Pd(II)-pyridine (PEPPSI) complexes**
YAŞAR S., Sahin C., Arslan M., ÖZDEMİR İ.
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- XXXIII. **Palladium(II)-N-heterocyclic carbene complexes: synthesis, characterization and catalytic application**
Cekirdek S., Yasar S., ÖZDEMİR İ.
APPLIED ORGANOMETALLIC CHEMISTRY, cilt.28, ss.423-431, 2014 (SCI İndekslerine Giren Dergi)
- XXXIV. **New Bisbenzimidazolin-2-Ylidene Salts as N-Heterocyclic Dicarbene Precursors: Synthesis, Characterization, and Involvement in Palladium-Catalyzed Suzuki Reactions**
Yasar S., Cekirdek S., ÖZDEMİR İ.
HETEROATOM CHEMISTRY, cilt.25, ss.157-162, 2014 (SCI İndekslerine Giren Dergi)
- XXXV. **Synthesis, characterization, and transfer hydrogenation of Ru(II)-N-heterocyclic carbene complexes**
Yasar S., Cekirdek S., ÖZDEMİR İ.
JOURNAL OF COORDINATION CHEMISTRY, cilt.67, ss.1236-1248, 2014 (SCI İndekslerine Giren Dergi)
- XXXVI. **An efficient ligand-free method for the transfer hydrogenation of ketones and aldehydes catalyzed by different complexes**

Yasar S., Cekirdek S., Akkus Tas N., Yildirim S., ÖZDEMİR İ.

TURKISH JOURNAL OF CHEMISTRY, cilt.37, ss.292-298, 2013 (SCI İndekslerine Giren Dergi)

XXXVII. **Novel quasi-scorpionate ligand structures based on a bis-N-heterocyclic carbene chelate core: synthesis, complexation and catalysis**

Yasar S., Cavell K. J. , Ward B. D. , Kariuki B.

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XXXVIII. **Pd Functionalized MCM-41 Catalysts for Suzuki Reactions**

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XXXIX. **The orthopalladation dinuclear [Pd(L-1)(μ -OAc)](2), [Pd(L-2)(μ -OAc)](2) and mononuclear [Pd(L-3)(2)] complexes with [N, C, O] or [N, O] containing ligands: Synthesis, spectral characterization, electrochemistry and catalytic properties**

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XL. **Palladium-Catalyzed Heck Coupling Reaction of Aryl Bromides in Aqueous Media Using Tetrahydropyrimidinium Salts as Carbene Ligands**

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XLI. **HYDROGENATION OF ACETOPHENONE AND ITS DERIVATIVES WITH 2-PROPANOL USING AMINOMETHYLPHOSPHINE-RUTHENIUM CATALYSIS**

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XLII. **Dichlorido[1-(2-methylbenzyl)-3-(η (6)-2,4,6-trimethylbenzyl)-1H-2,3-dihydrobenzimidazol-2-ylidene]ruthenium(II) dichloromethane solvate**

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XLIII. **1,3-Bis(4-tert-butylbenzyl)-4,5-dihydroimidazolium chloride monohydrate**

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XLIV. **1-(2-Phenylbenzyl)-3-(2,4,6-trimethylbenzyl)imidazolidinium bromide**

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XLV. **Ruthenium N-heterocyclic-carbene catalyzed diarylation of arene C - H bond**

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XLVI. **Benzylic imidazolidinium, 3,4,5,6-tetrahydropyrimidinium and benzimidazolium salts: Applications in ruthenium-catalyzed allylic substitution reactions**

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XLVII. **Heck and suzuki reactions of aryl halides catalyzed by 1,3-dialkylimidazolium/palladium**

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XLVIII. **Polyimide-Supported Dichloro-1,3-bis(p-dimethylaminobenzyl)benzimidazolidin-2-ilidenruthenium (II) as Effective Catalyst for Hydrosilylation Reactions**

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- XLIX. **Dichlorido[1-(2-methylbenzyl)-3-(2,4,6-trimethylbenzyl)imidazolidin-2-ylidene]ruthenium(II)**
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- L. **Dichlorido[1-(3,5-dimethylbenzyl)-3-(2,4,6-tri-methylbenzyl)imidazolidin-2-ylidene]ruthenium(II)**
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- LI. **Dichloride [1-(2,4,6-trimethylbenzyl)-3-(biphenyl-2-ylmethyl)-imidazolidin-2-ylidene (eta(6)-hexamethylbenzene)]ruthenium**
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- LII. **In-situ generated functionalized benzimidazol-2-ylidene-palladium catalyst for Suzuki reaction**
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Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **Antitümör Aktiviteye Sahip Ag-N-Heterosiklik Karben Kompleksleri**
YAŞAR S., Dehmat Z. I. , KARACA E. Ö. , GÜRBÜZ N., ŞAHİN BÖLÜKBAŞI S., Tebbani D., ÖZDEMİR İ.
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- II. **Tetrahidropirimidin-Rh Komplekslerinin Sentezi ve Özellikleri**
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- III. **İmidazolidin-Ir Komplekslerinin Sentezi ve Özellikleri**
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- IV. **İridyum N-Heterosiklik Karben Komplekslerinin Sentezi ve C-H Bağ Aktivasyon Reaksiyonlarındaki Aktivitesinin İncelenmesi**
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- V. **Pd-NHC catalysed Suzuki-Miyaura Cross-Coupling Reactions**
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- IX. **An efficient one-pot synthesis of triazoles by copper(I) catalyzed azide-alkyne cycloaddition (CuAAC) reaction under mild conditions in water:synthesis, characterization and biological activities**
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Third International Green Catalysis Symposium & Advanced Spring School on Green Chemiatry, Rennes, Fransa, 23 Mart - 24 Nisan 2017, ss.73

- XI. **New Benzyladamantyl Substituted N-Heterocyclic Carbene-Pd(II)-PPh₃ Complex Catalyzed Sonogashira Coupling Reaction**
Dehimat Z. I., Yaşar S., GÜRBÜZ N., Tebbani D., ÖZDEMİR İ.
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- XIII. **Suzuki-Miyaura Cross-Coupling Reactions Catalyzed by Sterically Bulky NHCPd(PEPPSI) Complexes in Water**
Dehimat Z. I., Yaşar S., GÜRBÜZ N., Tebbani D., ÖZDEMİR İ.
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- XV. **Suzuki-Miyaura Cross-Coupling Reactions Catalyzed by Sterically Bulky NHCPd(PEPPSI) Complexes in Water**
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- XVI. **Sonogashira reactions of aryl halides with terminal alkynes catalysed by new palladium triphenylphosphine complexes**
Touj N., YAŞAR S., GÜRBÜZ N., Hamdi N., ÖZDEMİR İ.
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- XIX. **Synthesis and Catalytic Properties of Palladium-NHCPPh₃Complexes**
KARACA E. Ö. , YAŞAR S., GÜRBÜZ N., ÖZDEMİR İ.
42nd International Conference on Coordination Chemistry, Brest, Fransa, 3 - 08 Temmuz 2016, ss.502
- XX. **Alkylation Reaction Catalyzed by Ruthenium-N-Heterocyclic Carbene Complexes**
YAŞAR S., ÖZDEMİR İ., KARACA E. Ö.
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- XXI. **Alkylation Reaction Catalyzed by Ruthenium-N-Heterocyclic Carbene Complexes**
YAŞAR S., ÖZDEMİR İ., KARACA E. Ö.
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- XXIII. **SYNTHESIS AND CATALYTIC PROPERTIES OF PALLADIUM NHC PPH3 COMPLEXES**
KARACA E. Ö. , YAŞAR S., GÜRBÜZ N., ÖZDEMİR İ.
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- XXV. **Synthesis and insitu catalytic application of 7-BER-NHC ligans on Suzuki reaction**
YAŞAR S., KARACA E. Ö. , GÜRBÜZ N., ÖZDEMİR İ.
NCC6-The 6th CATALYSIS CONFERENCE, Bursa, Türkiye, 27 - 30 Nisan 2016, ss.152
- XXVI. **N-Alkylation Reaction with Functionalized Ionic Liquids**
GÜRBÜZ N., KARACA E. Ö. , YAŞAR S., ÖZDEMİR İ.
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- XXVII. **Direct Arylation with Palladium-NHC Complexes**
KARACA E. Ö. , GÜRBÜZ N., YAŞAR S., ÖZDEMİR İ.
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YAŞAR S., KARACA E. Ö. , GÜRBÜZ N., ÖZDEMİR İ.
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YAŞAR S., KARACA E. Ö. , GÜRBÜZ N., ÖZDEMİR İ.
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GÜRBÜZ N., KARACA E. Ö. , YAŞAR S., ÖZDEMİR İ.
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KARACA E. Ö. , GÜRBÜZ N., YAŞAR S., ÖZDEMİR İ.
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- XXXVI. **Ir NHC Katalizörlüğünde Ketonların Hidrojen Transfer Reaksiyonu**
YAŞAR S., KARACA E. Ö. , ÖZDEMİR İ.
V. Ulusal Anorganik Kimya Kongresi, Türkiye, 22 - 25 Nisan 2015
- XXXVII. **Genişlemiş Halkalı İridyum N Heterosiklik Karben Komplekslerin Sentezi ve Karakterizasyonu**
YAŞAR S., KARACA E. Ö. , GÜRBÜZ N., ÖZDEMİR İ.
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- XXXVIII. **Palladyum/Azolyum Katalizli Suzuki ve Heck Eşleşme Tepkimesi**
KARACA E. Ö. , YAŞAR S., GÜRBÜZ N., ÖZDEMİR İ., CETINKAYA B.
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XL. Palladyum/Azolyum Katalizli Suzuki ve Heck Eşleşme Tepkimesi

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