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Education Information

Doctorate, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Kimya, Turkey 2009 - 2016

Under Graduate, Hacettepe Üniversitesi, Fen Fakültesi, Kimya Bölümü, Turkey 2005 - 2009

Dissertations

Doctorate, Aktivitesi kontrol edilebilir yeni rutenyum komplekslerinin sentezi, karakterizasyonu ve katalitik uygulamaları, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Kimya (Dr), 2016

Research Areas

Chemistry, Inorganic Chemistry, Catalysis, Organometallic Chemistry, Natural Sciences

Academic Titles / Tasks

Assistant Professor, Hacettepe University, Fen Fakültesi, Kimya Bölümü, 2019 - Continues

Research Assistant, Hacettepe University, Fen Fakültesi, Kimya Bölümü, 2011 - 2019

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Encapsulation of N-heterocyclic carbene-gold (I) catalysts within magnetic core/shell silica gels: A reusable alkyne hydration catalyst**
ÖZTÜRK B. Ö. , Cetinel B., KARABULUT ŞEHİTOĞLU S.
APPLIED ORGANOMETALLIC CHEMISTRY, vol.34, 2020 (Journal Indexed in SCI)
- II. **Transfer-hydrogenation reactions of ketones/aldehydes in water using first generation ruthenium indenylidene olefin metathesis catalyst: One step towards sequential cross-metathesis/transfer hydrogenation reactions**
ÖZTÜRK B. Ö. , ÖZTÜRK S.
Molecular Catalysis, vol.480, 2020 (Journal Indexed in SCI)
- III. **Pyrene substituted amphiphilic ROMP polymers as nano-sized fluorescence sensors for detection of TNT in water**
ÖZTÜRK B. Ö. , Şehitoğlu S. K.
Polymer, vol.183, 2019 (Journal Indexed in SCI)
- IV. **Carboxylic acid addition to terminal alkynes utilizing ammonium tagged Hoveyda-Grubbs catalyst supported on magnetically separable core/shell silica: A highly reusable and air compatible catalytic**

system

ÖZTÜRK B. Ö. , Gurcu D., Sehitoglu S. K.

JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.883, pp.11-16, 2019 (Journal Indexed in SCI)

- V. **Olefin metathesis in air using latent ruthenium catalysts: imidazole substituted amphiphilic hydrogenated ROMP polymers providing nano-sized reaction spaces in water**
ÖZTÜRK B. Ö. , Durmus B., Sehitoglu S. K.
CATALYSIS SCIENCE & TECHNOLOGY, vol.8, pp.5807-5815, 2018 (Journal Indexed in SCI)
- VI. **Ammonium tagged Hoveyda-Grubbs catalysts immobilized on magnetically separable core-shell silica supports for ring-closing metathesis reactions**
ÖZTÜRK B. Ö.
MICROPOROUS AND MESOPOROUS MATERIALS, vol.267, pp.249-256, 2018 (Journal Indexed in SCI)
- VII. **Imidazole end-functionalized polycyclooctenes from chain-transfer ring-opening metathesis polymerization and aminolysis reactions**
ÖZTÜRK B. Ö. , Calisgan G., Ozer H., Sehitoglu S. K.
REACTIVE & FUNCTIONAL POLYMERS, vol.126, pp.63-73, 2018 (Journal Indexed in SCI)
- VIII. **Nonaqueous and Aqueous Emulsion ROMP Reactions Induced by Environment-Friendly Latent Ruthenium Indenylidene Catalyst Bearing Morpholine Substituted Bidentate (N, O) Schiff Bases**
ÖZTÜRK B. Ö. , Kolberg A., Sehitoglu S. K.
MACROMOLECULAR CHEMISTRY AND PHYSICS, vol.218, 2017 (Journal Indexed in SCI)
- IX. **Imidazole-substituted ROMP polymers: Post-modification of poly(norbornenediester) derivatives with aminolysis reactions**
ÖZTÜRK B. Ö. , Yakut E., Ak E., Sehitoglu S. K.
REACTIVE & FUNCTIONAL POLYMERS, vol.111, pp.22-29, 2017 (Journal Indexed in SCI)
- X. **Improved molecular weight control in ring-opening metathesis polymerization reactions in organic and aqueous media using N-heterocyclic carbene-ruthenium arene/alkyne catalyst systems**
ÖZTÜRK B. Ö. , Sehitoglu S. K.
APPLIED ORGANOMETALLIC CHEMISTRY, vol.30, pp.367-372, 2016 (Journal Indexed in SCI)
- XI. **Tuning the molecular weight of ROMP polymers by using Grubbs type catalysts and terminal alkynes**
ÖZTÜRK B. Ö. , Sariaslan B., KARABULUT ŞEHİTOĞLU S.
Journal of Organometallic Chemistry, vol.822, pp.13-19, 2016 (Journal Indexed in SCI)
- XII. **Applications of ruthenium indenylidene catalysts on ROMP-based self-healing epoxy systems**
ÖZTÜRK B. Ö. , Şehitoğlu S. K.
Polymer, vol.69, pp.343-348, 2015 (Journal Indexed in SCI)
- XIII. **Metathesis reactions of rapeseed oil-derived fatty acid methyl esters induced by monometallic and homobimetallic ruthenium complexes**
ÖZTÜRK B. Ö. , TOPOĞLU B., Sehitoglu S. K.
EUROPEAN JOURNAL OF LIPID SCIENCE AND TECHNOLOGY, vol.117, pp.200-208, 2015 (Journal Indexed in SCI)
- XIV. **A latent and controllable ruthenium-indenylidene catalyst for emulsion ROMP in water**
ÖZTÜRK B. Ö. , Sehitoglu S. K. , MEIER M. A. R.
EUROPEAN POLYMER JOURNAL, vol.62, pp.116-123, 2015 (Journal Indexed in SCI)
- XV. **Highly controllable poly(N-vinylimidazole)-supported ruthenium catalysts for olefin metathesis reactions in aqueous media**
ÖZTÜRK B. Ö. , SARIASLAN B., Bayramgil N. P. , Sehitoglu S.
APPLIED CATALYSIS A-GENERAL, vol.483, pp.19-24, 2014 (Journal Indexed in SCI)
- XVI. **A ruthenium-based catalytic system with switchable selectivity between cyclotrimerization and enyne metathesis/Diels-Alder reactions of terminal alkynes**
Karabulut S., SARIASLAN B., ÖZTÜRK B. Ö.
CATALYSIS COMMUNICATIONS, vol.41, pp.12-16, 2013 (Journal Indexed in SCI)
- XVII. **In situ modification of the Grubbs first generation catalyst: A highly controllable metathesis catalyst bearing tridentate Schiff base ligands**
ÖZTÜRK B. Ö. , BUCAK E., Karabulut S.

- JOURNAL OF MOLECULAR CATALYSIS A-CHEMICAL, vol.376, pp.53-62, 2013 (Journal Indexed in SCI)
- XVIII. **A practical ruthenium based catalytic system bearing a switchable selectivity between the dimerization and cyclotrimerization reactions of alkynes**
ÖZTÜRK B. Ö. , Karabulut S., İmamoglu Y.
APPLIED CATALYSIS A-GENERAL, vol.433, pp.214-222, 2012 (Journal Indexed in SCI)
- XIX. **Activity of homobimetallic ruthenium alkylidene complexes on intermolecular [2+2+2] cyclotrimerisation reactions of terminal alkynes**
ÖZTÜRK B. Ö. , Karabulut S., İmamoglu Y.
INORGANICA CHIMICA ACTA, vol.378, pp.257-263, 2011 (Journal Indexed in SCI)
- XX. **Ru-mediated selective addition reactions of carboxylic acids to internal and terminal alkynes**
Karabulut S., ÖZTÜRK B. Ö. , İmamoglu Y.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.695, pp.2161-2166, 2010 (Journal Indexed in SCI)
- XXI. **Silicon and Chlorine Substituted Unsaturated Polymers: ROMP of (bicyclo[2,2,1]hept-5-en-2-yl)ethylchlorodimethylsilane via Mo-based catalyst**
Karabulut S., ŞAHİN V., ÖZTÜRK B. Ö. , İmamoglu Y.
JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS, vol.19, pp.570-574, 2009 (Journal Indexed in SCI)

Supported Projects

KARABULUT ŞEHİTOĞLU S., ÖZTÜRK B. Ö. , Project Supported by Higher Education Institutions, Suda Çözünebilir Piren Bazlı TNT Sensör Sistemlerinin Geliştirilmesi, 2017 - 2019

ÖZTÜRK B. Ö. , KARABULUT ŞEHİTOĞLU S., Project Supported by Higher Education Institutions, Manyetik Olarak Ayrılabilir Çok Katmanlı Silika Üzerine Destekli Yeni Nesil Rutenyum Katalizörlerinin Sentezi ve Katalitik Uygulamaları, 2017 - 2019

KARABULUT ŞEHİTOĞLU S., ÖZTÜRK B. Ö. , Project Supported by Higher Education Institutions, Uç Alkinler ve Grubbs Tipi Katalizörler Kullanılarak ROMP Polimerlerinin Molekül Ağırlıklarının Ayarlanması, 2018 - 2018

ÖZTÜRK B. Ö. , Project Supported by Higher Education Institutions, Su Ortamındaki Olefin Metatez Reaksiyonları için Yüksek Derecede Kontrol Edilebilir Polivinilimidzol Destekli Rutenyum Katalizörleri, 2016 - 2016

ÖZTÜRK B. Ö. , KARABULUT ŞEHİTOĞLU S., Project Supported by Higher Education Institutions, NanoROMP Polimerlerinin Sentezi için Aktivitesi Geciktirilebilir Çevre Dostu Rutenyum Metatez Katalizörleri, 2016 - 2016

KARABULUT ŞEHİTOĞLU S., SARIASLAN B., ÖZTÜRK B. Ö. , Project Supported by Higher Education Institutions, Ru Alkiliden/Alkin İkili Sisteminin Geliştirilmesi ve Katalitik Aktivitesinin Araştırılması, 2015 - 2016

ÖZTÜRK B. Ö. , TUBITAK Project, Romp Uygulamaları için Aktivitesi Kontrol Edilebilen Rutenyum Aren Bazlı Katalizör Sistemlerinin Geliştirilmesi Proje No 114Z669, 2014 - 2016

Citations

Total Citations (WOS):148

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