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Publons / Web Of Science ResearcherID: C-1124-2008

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Education Information

Doctorate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Polimer Bilim Ve Teknolojisi (Dr), Turkey 2004 - 2010

Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Polimer Bilim Ve Teknolojisi Anabilim Dalı, Turkey 2002 - 2004

Undergraduate, Istanbul Technical University, Fen-Edebiyat Fakültesi, Kimya Bölümü, Turkey 1997 - 2002

Foreign Languages

English

Dissertations

Doctorate, Diels-Alder click reaction in macromolecular structures, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Polimer Bilim Ve Teknolojisi (Dr), 2010

Postgraduate, Synthesis of miktoarm star copolymers via atom transfer and stable free radical polymerization routes, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Polimer Bilim Ve Teknolojisi Anabilim Dalı, 2004

Research Areas

Basic Sciences, Chemistry

Academic Titles / Tasks

Professor, Istanbul Technical University, Fen-Edebiyat, Kimya, 2020 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- Ultrafast Poly(disulfide) Synthesis in the Presence of Organocatalysts**
Kandemir D., Lüleburgaz S., Günay U. S., Durmaz H., Kumbaracı İ. V.
MACROMOLECULES, vol.55, no.17, pp.7806-7816, 2022 (SCI-Expanded)

- II. **Electrospinning of Poly(1,4-Cyclohexanedimethylene Acetylene Dicarboxylate): Study on the Morphology, Wettability, Thermal and Biodegradation Behaviors**
Daglar O., Altınkök Ç., Acik G., Durmaz H.
MACROMOLECULAR CHEMISTRY AND PHYSICS, vol.221, no.23, 2020 (SCI-Expanded)
- III. **Nucleophilic Thiol-yne reaction in Macromolecular Engineering: From synthesis to applications**
Daglar O., Lüleburgaz S., Baysak E., Günay U. S., Hızal G., Tunca Ü., Durmaz H.
EUROPEAN POLYMER JOURNAL, vol.137, 2020 (SCI-Expanded)
- IV. **Non-covalent functionalization of single walled carbon nanotubes with pyrene pendant polyester: A DFT supported study**
Ozgen P. S. O., Durmaz H., PARLAK C., Alver O., Baglayan O.
JOURNAL OF MOLECULAR STRUCTURE, vol.1209, 2020 (SCI-Expanded)
- V. **Extremely fast synthesis of polythioether based phase change materials (PCMs) for thermal energy storage**
Daglar O., ÇAKMAKÇI E., Hızal G., Tunca Ü., Durmaz H.
EUROPEAN POLYMER JOURNAL, vol.130, 2020 (SCI-Expanded)
- VI. **A Straightforward Method for Fluorinated Polythioether Synthesis**
Daglar O., ÇAKMAKÇI E., Günay U. S., Hızal G., Tunca Ü., Durmaz H.
MACROMOLECULES, vol.53, no.8, pp.2965-2975, 2020 (SCI-Expanded)
- VII. **Rapid Hyperbranched Polythioether Synthesis Through Thiol-Michael Addition Reaction**
Daglar O., Gungor B., Guric G., Günay U. S., Hızal G., Tunca Ü., Durmaz H.
JOURNAL OF POLYMER SCIENCE, vol.58, no.6, pp.824-830, 2020 (SCI-Expanded)
- VIII. **Extremely rapid postfunctionalization of maleate and fumarate main chain polyesters in the presence of TBD**
Daglar O., Tunca Ü., Tunca Ü., Hızal G., Tunca Ü., Durmaz H.
POLYMER, vol.182, 2019 (SCI-Expanded)
- IX. **Aliphatic Polyester/polyhedral Oligomeric Silsesquioxanes Hybrid Networks via Copper-free 1,3-dipolar Cycloaddition Click Reaction**
Ozdogan R., Daglar O., Durmaz H., TAŞDELEN M. A.
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.57, no.22, pp.2222-2227, 2019 (SCI-Expanded)
- X. **Extremely Rapid Polythioether Synthesis in the Presence of TBD**
Daglar O., Günay U. S., Hızal G., Tunca Ü., Durmaz H.
MACROMOLECULES, vol.52, no.9, pp.3558-3572, 2019 (SCI-Expanded)
- XI. **Synthesis and post-polymerization modification of polyester containing pendant thiolactone units**
Baysak E., Günay U. S., dağlar O., Durmaz H.
EUROPEAN POLYMER JOURNAL, vol.112, pp.241-247, 2019 (SCI-Expanded)
- XII. **Study on Post-Polymerization Modification of Ring-Opening Metathesis Polymers Involving Pendant Thiolactone Units**
Baysak E., DAĞLAR O., Günay U. S., Hızal G., Tunca Ü., Durmaz H.
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.56, no.19, pp.2145-2153, 2018 (SCI-Expanded)
- XIII. **Preparation of Linear and Hyperbranched Fluorinated Poly(Aryl Ether-Thioether) through Para-Fluoro-Thiol Click Reaction**
Baysak E., Tunca Ü., Hızal G., Durmaz H.
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.56, no.16, pp.1853-1859, 2018 (SCI-Expanded)
- XIV. **An emerging post-polymerization modification technique: The promise of thiol-para-fluoro click reaction**
AGAR S., Baysak E., Hızal G., Tunca Ü., Durmaz H.
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.56, no.12, pp.1181-1198, 2018 (SCI-Expanded)

- XV. **Ultrafast and efficient aza- and thiol-Michael reactions on a polyester scaffold with internal electron deficient triple bonds**
Günay U. S., Cetin M., Daglar O., Hızal G., Tunca Ü., Durmaz H.
POLYMER CHEMISTRY, vol.9, no.22, pp.3037-3054, 2018 (SCI-Expanded)
- XVI. **Indirect functionalization of multiwalled carbon nano tubes through non-covalent interaction of functional polyesters**
Omurtag P. S., Alkan B., Durmaz H., Hızal G., Tunca Ü.
POLYMER, vol.141, pp.213-220, 2018 (SCI-Expanded)
- XVII. **Modification of electron deficient polyester via Huisgen/Passerini sequence**
Lüleburgaz S., Hızal G., Durmaz H., Tunca Ü.
POLYMER, vol.127, pp.45-51, 2017 (SCI-Expanded)
- XVIII. **Synthesis of Activated Ester Functional Polyesters through Light-Induced [4+4] Cycloaddition Polymerization**
Baysak E., Durmaz H., Tunca Ü., Hızal G.
MACROMOLECULAR CHEMISTRY AND PHYSICS, vol.218, no.18, 2017 (SCI-Expanded)
- XIX. **Synthesis of Poly(vitamin C) through ADMET**
Lüleburgaz S., ABUAF M., Tunca Ü., Hızal G., Durmaz H.
MACROMOLECULAR RAPID COMMUNICATIONS, vol.38, no.11, 2017 (SCI-Expanded)
- XX. **Post-Functionalization of Perfluorophenyl Ester-Functional Acyclic Diene Metathesis Polymer**
Daglar O., DURMAZ H., Hızal G., TUNCA Ü.
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.54, no.16, pp.2593-2598, 2016 (SCI-Expanded)
- XXI. **Heterofunctionalized Multiarm Star Polymers via Sequential Thiol-para-Fluoro and Thiol-Ene Double "Click" Reactions**
Cakir N., TUNCA Ü., Hızal G., DURMAZ H.
MACROMOLECULAR CHEMISTRY AND PHYSICS, vol.217, no.5, pp.636-645, 2016 (SCI-Expanded)
- XXII. **A Route Toward Multifunctional Polyurethanes Using Triple Click Reactions**
Demirel E., DURMAZ H., Hızal G., TUNCA Ü.
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.54, no.4, pp.480-486, 2016 (SCI-Expanded)
- XXIII. **Dual Release Carriers for Cochlear Delivery**
Rahmani S., ROSS A. M., Park T., Durmaz H., Dishman A. F., Prieskorn D. M., Jones N., Altschuler R. A., Lahann J.
ADVANCED HEALTHCARE MATERIALS, vol.5, no.1, pp.94-101, 2016 (SCI-Expanded)
- XXIV. **1,3-Dipolar and Diels-Alder cycloaddition reactions on polyester backbones possessing internal electron-deficient alkyne moieties**
Cetin M., ESEN C., DAGLAR O., LULEBURGAZ S., Hızal G., DURMAZ H., TUNCA Ü.
POLYMER CHEMISTRY, vol.7, no.46, pp.7094-7100, 2016 (SCI-Expanded)
- XXV. **Well-defined polyethylene-based graft terpolymers by combining nitroxide-mediated radical polymerization, polyhomologation and azide/alkyne "click" chemistry**
Alkayal N., DURMAZ H., Tunca Ü., HADJICHRISTIDIS N.
POLYMER CHEMISTRY, vol.7, no.17, pp.2986-2991, 2016 (SCI-Expanded)
- XXVI. **Postfunctionalization of polyoxanorbornene backbone through the combination of bromination and nitroxide radical coupling reactions**
Atici L. N., DEMIREL E., TUNCA Ü., Hızal G., DURMAZ H.
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.53, no.20, pp.2381-2389, 2015 (SCI-Expanded)
- XXVII. **Ring-opening reactions of backbone epoxidized polyoxanorbornene**
Günay U. S., DEMIREL E., Hızal G., TUNCA Ü., DURMAZ H.
REACTIVE & FUNCTIONAL POLYMERS, vol.94, pp.35-42, 2015 (SCI-Expanded)
- XXVIII. **CXCR4-Targeted Nanocarriers for Triple Negative Breast Cancers**
Misra A. C., Luker K. E., Durmaz H., Luker G. D., LAHANN J.
BIOMACROMOLECULES, vol.16, no.8, pp.2412-2417, 2015 (SCI-Expanded)

- XXIX. **Selective and Reversible Binding of Thiol-Functionalized Biomolecules on Polymers Prepared via Chemical Vapor Deposition Polymerization**
Ross A., Durmaz H., CHENG K., DENG X., Liu Y., Oh J., CHEN Z., LAHANN J.
LANGMUIR, vol.31, no.18, pp.5123-5129, 2015 (SCI-Expanded)
- XXX. **Polymer Grafting Onto Polyurethane Backbone via Diels-Alder Reaction**
Agar S., DURMAZ H., GUNAY U. S., HIZAL G., TUNCA Ü.
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.53, no.4, pp.521-527, 2015 (SCI-Expanded)
- XXXI. **Long-circulating Janus nanoparticles made by electrohydrodynamic co-jetting for systemic drug delivery applications**
Rahmani S., Villa C. H., Dishman A. F., Grabowski M. E., Pan D. C., Durmaz H., Misra A. C., Colon-Melendez L., Solomon M. J., Muzykantov V. R., et al.
JOURNAL OF DRUG TARGETING, vol.23, pp.750-758, 2015 (SCI-Expanded)
- XXXII. **Synthesis and Characterization of Biodegradable Amphiphilic Star and Y-Shaped Block Copolymers as Potential Carriers for Vinorelbine**
Bahadori F., DAG A., Durmaz H., ÇAKIR N., ONYUKSEL H., TUNCA Ü., TOPCU G., HIZAL G.
POLYMERS, vol.6, no.1, pp.214-242, 2014 (SCI-Expanded)
- XXXIII. **V-Shaped Graft Copolymers via Triple Click Reactions: Diels-Alder, Copper-Catalyzed Azide-Alkyne Cycloaddition, and Nitroxide Radical Coupling**
Günay U. S., OZSOY B., DURMAZ H., HIZAL G., TUNCA Ü.
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.51, no.21, pp.4667-4674, 2013 (SCI-Expanded)
- XXXIV. **Quadruple click reactions for the synthesis of cysteine-functional heterograft brush copolymer**
Candan O. A., Kopan D., Durmaz H., Hızal G., Tunca Ü.
EUROPEAN POLYMER JOURNAL, vol.49, no.7, pp.1796-1802, 2013 (SCI-Expanded)
- XXXV. **Diels-alder click reaction for the preparation of polycarbonate block copolymers**
Omurtag P. S., Günay U. S., DAG A., DURMAZ H., HIZAL G., TUNCA Ü.
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.51, no.10, pp.2252-2259, 2013 (SCI-Expanded)
- XXXVI. **Heterograft Brush Copolymers via Romp and Triple Click Reaction Strategies Involving CuAAC, Diels-Alder, and Nitroxide Radical Coupling Reactions**
Çakır Yiğit N., Yavuzarslan M., Durmaz H., Hızal G., Tunca Ü.
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.51, no.4, pp.899-907, 2013 (SCI-Expanded)
- XXXVII. **Various polycarbonate graft copolymers via Diels-Alder click reaction**
Dag A., Aydın M., Durmaz H., Hızal G., Tunca Ü.
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.50, no.21, pp.4476-4483, 2012 (SCI-Expanded)
- XXXVIII. **Postfunctionalization of polyoxanorbornene via sequential Michael addition and radical thiol-ene click reactions**
Durmaz H., BUTUN M., HIZAL G., TUNCA Ü.
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.50, no.15, pp.3116-3125, 2012 (SCI-Expanded)
- XXXIX. **Quadruple click reactions for the synthesis of cysteine-terminated linear multiblock copolymers**
Candan O. A., Durmaz H., Hızal G., Tunca Ü.
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.50, no.14, pp.2863-2870, 2012 (SCI-Expanded)
- XL. **Synthesis and characterization of pyrene bearing amphiphilic miktoarm star polymer and its noncovalent interactions with multiwalled carbon nanotubes**
Durmaz H., DAG A., TUNCA Ü., HIZAL G.
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.50, no.12, pp.2406-2414, 2012 (SCI-Expanded)
- XLI. **Synthesis of tadpole polymers via triple click reactions: Copper-catalyzed azide-alkyne cycloaddition,**

diels-alder, and nitroxide radical coupling reactions

Dedeoglu T., Durmaz H., Hızal G., Tunca Ü.

JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.50, no.10, pp.1917-1925, 2012 (SCI-Expanded)

- XLII. **3-miktoarm star terpolymers using triple click reactions: Diels-Alder, copper-catalyzed azide-alkyne cycloaddition, and nitroxide radical coupling reactions**
Günay U. S., Durmaz H., GUNGOR E., DAG A., HIZAL G., TUNCA Ü.
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.50, no.4, pp.729-735, 2012 (SCI-Expanded)
- XLIII. **Double click reaction strategies for polymer conjugation and post-functionalization of polymers**
Durmaz H., Sanyal A., Hızal G., TUNCA Ü.
POLYMER CHEMISTRY, vol.3, no.4, pp.825-835, 2012 (SCI-Expanded)
- XLIV. **Thermally Curable Polyoxanorbornene by Ring Opening Metathesis Polymerization**
TAŞDELEN M. A., Durmaz H.
MACROMOLECULAR CHEMISTRY AND PHYSICS, vol.212, no.19, pp.2121-2126, 2011 (SCI-Expanded)
- XLV. **Synthesis of a Novel Macroinimer Based on Thiophene and Poly(epsilon-caprolactone) and Its Use in Electrochromic Device Application**
Kucuk A. C., YILMAZ F., CAN H., Durmaz H., Kosemen A., Muftuoglu A. E.
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.49, no.19, pp.4180-4192, 2011 (SCI-Expanded)
- XLVI. **Various Brush Polymers Through Ring Opening Metathesis Polymerization and Nitroxide Radical Coupling Reaction**
Cerit N., ÇAKIR N., DAG A., Sirkecioğlu O., DURMAZ H., HIZAL G., TUNCA Ü.
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.49, no.13, pp.2850-2858, 2011 (SCI-Expanded)
- XLVII. **Linear Tetrablock Quaterpolymers via Triple Click Reactions, Azide-Alkyne, Diels-Alder, and Nitroxide Radical Coupling in a One-Pot Fashion**
Durmaz H., Hızal G., Tunca Ü.
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.49, no.9, pp.1962-1968, 2011 (SCI-Expanded)
- XLVIII. **Sequential Double Polymer Click Reactions for the Preparation of Regular Graft Copolymers**
Durmaz H., DAG A., HIZAL G., TUNCA Ü.
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.49, no.5, pp.1195-1200, 2011 (SCI-Expanded)
- XLIX. **Block-Brush Copolymers via ROMP and Sequential Double Click Reaction Strategy**
Dag A., SAHIN H., Durmaz H., HIZAL G., TUNCA Ü.
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.49, no.4, pp.886-892, 2011 (SCI-Expanded)
- L. **Graft Copolymers via ROMP and Diels-Alder Click Reaction Strategy**
Durmaz H., DAG A., CERIT N., Sirkecioğlu O., HIZAL G., TUNCA Ü.
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.48, no.24, pp.5982-5991, 2010 (SCI-Expanded)
- LI. **Cyclic Homo and Block Copolymers Through Sequential Double Click Reactions**
Durmaz H., DAG A., Hızal G., TUNCA Ü.
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.48, no.22, pp.5083-5091, 2010 (SCI-Expanded)
- LII. **Multiarm Star Polymers with Peripheral Dendritic PMMA Arms Through Diels-Alder Click Reaction**
Durmaz H., Dag A., Onen C., Gok O., SANYAL A., Hızal G., Tunca Ü.
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.48, no.21, pp.4842-4846, 2010 (SCI-Expanded)
- LIII. **An easy way to the preparation of multi-miktoarm star block copolymers via sequential double click reactions**
Dag A., Durmaz H., Kirmizi V., Hızal G., Tunca Ü.
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- LIV. **Maleimide-Based Thiol Reactive Multiarm Star Polymers via Diels-Alder/Retro Diels-Alder Strategy**

Gök O., Durmaz H., Özdes E. S., Hızal G., Tunca Ü., SANYAL A.

JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.48, no.12, pp.2546-2556, 2010 (SCI-Expanded)

- LIV. **Multiarm Star Triblock Terpolymers via Sequential Double Click Reactions**
Durmaz H., Dag A., Gursoy D., Demirel A. L., Hızal G., Tunca Ü.
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.48, no.7, pp.1557-1564, 2010 (SCI-Expanded)
- LVI. **Novel strategy for tailoring of SiO₂ and TiO₂ nanoparticle surfaces with poly(epsilon-caprolactone)**
Karagöz B., GALLI G., DURMAZ H., HIZAL G., TUNCA Ü., BİCAK N.
COLLOID AND POLYMER SCIENCE, vol.288, no.5, pp.535-542, 2010 (SCI-Expanded)
- LVII. **Multiarm Star Block and Multiarm Star Mixed-Block Copolymers via Azide-Alkyne Click Reaction**
Durmaz H., Dag A., Erdogan E., Demirel A. L., Hızal G., Tunca Ü.
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.48, no.1, pp.99-108, 2010 (SCI-Expanded)
- LVIII. **Star Polymers with POSS via Azide-Alkyne Click Reaction**
Gungor E., Bilir C., Durmaz H., Hızal G., Tunca Ü.
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.47, no.22, pp.5947-5953, 2009 (SCI-Expanded)
- LIX. **Three-Arm Star Ring Opening Metathesis Polymers via Alkyne-Azide Click Reaction**
Dag A., DURMAZ H., Sirkecioğlu O., HIZAL G., TUNCA Ü.
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.47, no.9, pp.2344-2351, 2009 (SCI-Expanded)
- LX. **ROMP-NMP-ATRP Combination for the Preparation of 3-Miktoarm Star Terpolymer via Click Chemistry**
Gözgen A., DAG A., DURMAZ H., Sirkecioğlu O., HIZAL G., TUNCA Ü.
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.47, no.2, pp.497-504, 2009 (SCI-Expanded)
- LXI. **Multiarm Star Block Copolymers via Diels-Alder Click Reaction**
Dag A., Durmaz H., Tunca Ü., Hızal G.
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.47, no.1, pp.178-187, 2009 (SCI-Expanded)
- LXII. **One-Pot Synthesis of Star-Block Copolymers Using Double Click Reactions**
Durmaz H., DAG A., HIZAL A., HIZAL G., TUNCA Ü.
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.46, no.21, pp.7091-7100, 2008 (SCI-Expanded)
- LXIII. **Heterograft Copolymers via Double Click Reactions Using One-Pot Technique**
Dag A., DURMAZ H., DEMİR E., Hızal G., TUNCA Ü.
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.46, no.20, pp.6969-6977, 2008 (SCI-Expanded)
- LXIV. **H-shaped (ABCDE type) quintopolymer via click reaction [3+2] strategy**
Gungor E., Durmaz H., Hızal G., Tunca Ü.
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.46, no.13, pp.4459-4468, 2008 (SCI-Expanded)
- LXV. **Preparation of 3-arm star polymers (A(3)) via Diels-Alder click reaction**
Dag A., DURMAZ H., Hızal G., TUNCA Ü.
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.46, no.1, pp.302-313, 2008 (SCI-Expanded)
- LXVI. **Heteroarm H-shaped terpolymers through click reaction**
Gungor E., Cote G., Erdogan T., Durmaz H., Demirel A. L., Hızal G., Tunca U.
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.45, no.6, pp.1055-1065, 2007 (SCI-Expanded)
- LXVII. **One-pot synthesis of ABC type triblock copolymers via in situ click [3+2] and Diels-Alder [4+2] reactions**
Durmaz H., DAĞ A., Altıntaş O., Erdoğan T., Hızal G., TUNCA U.
MACROMOLECULES, vol.40, no.2, pp.191-198, 2007 (SCI-Expanded)
- LXVIII. **Anthracene-maleimide-based Diels-Alder "click chemistry" as a novel route to graft copolymers**
Gacal B., DURMAZ H., TASDELEN M. A., Hızal G., TUNCA U., YAGCI Y., DEMİREL A. L.
MACROMOLECULES, vol.39, no.16, pp.5330-5336, 2006 (SCI-Expanded)

- LXIX. Heteroarm H-shaped terpolymers through the combination of the Diels-Alder reaction and controlled/living radical polymerization techniques**
Durmaz H., Tunca Ü., Tunca Ü., Hızal G.
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.44, no.13, pp.3947-3957, 2006 (SCI-Expanded)
- LXX. Preparation of block copolymers via diels alder reaction of maleimide- and anthracene-end functionalized polymers**
Durmaz H., COLAKOGLU B., TUNCA U., HIZAL G.
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.44, no.5, pp.1667-1675, 2006 (SCI-Expanded)
- LXXI. Preparation of ABC miktoarm star terpolymer containing poly(ethylene glycol), polystyrene, and poly(tert-butylacrylate) arms by combining Diels-Alder reaction, atom transfer radical, and stable free radical polymerization routes**
Durmaz H., KARATAS F., TUNCA U., HIZAL G.
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.44, no.1, pp.499-509, 2006 (SCI-Expanded)

Articles Published in Other Journals

- I. Use of Atom Transfer Radical Coupling Reactions for the Synthesis of Various Macromolecular Structures**
DURMAZ H., TEMEL B. A., CIANGA I., Yağcı Y.
Abstracts of Papers of the American Chemical Society, Polymer Preprints, vol.49, no.2, pp.382-383, 2008 (Peer-Reviewed Journal)

Supported Projects

Durmaz H., Dağlar Ö., Project Supported by Higher Education Institutions, Polimerlerin Yeni ve Basit Yöntemlerle Çok Hızlı Sentez ve Modifikasyonları, 2018 - 2021

Durmaz H., Günay U. S., Project Supported by Higher Education Institutions, Tiyolakton Yan Grupları İçeren Poliester Sentezi ve Modifikasyonu, 2017 - 2018

Durmaz H., Project Supported by Higher Education Institutions, Poliester Ana Zincirinin Yeni ve Etkin Yöntemlerle Fonksiyonlandırılması, 2016 - 2018

TUBİTAK Project, Karbon Nanotüp Yüzey Modifikasyonunda 1 3 Dipolar Siklo Katılma Click ve Diels Alder DA Uygulamaları, 2007 - 2009

TUBİTAK Project, Diels Alder Reaksiyonlarının Makromoleküler Mühendislikte Kullanımı, 2006 - 2008

Metrics

Publication: 110
Citation (WoS): 2545
Citation (Scopus): 2648
H-Index (WoS): 29
H-Index (Scopus): 30

Awards

Durmaz H., BAGEP-2020, Bilim Akademisi, April 2020

Durmaz H., 2015 Yılı FABED Eser Tümen Üstün Başarı Ödülü, Fevzi Akkaya Bilimsel Etkinlikleri Destekleme Fonu, June 2015

Non Academic Experience

University of Michigan