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Kişisel Bilgiler

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Yoksis Araştırmacı ID: 151725

Eğitim Bilgileri

Doktora, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Polimer Bilim Ve Teknolojisi (Dr), Türkiye 2004 - 2010
Yüksek Lisans, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Polimer Bilim Ve Teknolojisi Anabilim Dalı, Türkiye 2002 - 2004

Lisans, İstanbul Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Kimya Bölümü, Türkiye 1997 - 2002

Yabancı Diller

İngilizce

Yaptığı Tezler

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

Yüksek Lisans, 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

Araştırma Alanları

Temel Bilimler, Kimya

Akademik Unvanlar / Görevler

Prof.Dr., İstanbul Teknik Üniversitesi, Fen-Edebiyat, Kimya, 2020 - Devam Ediyor

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

I. Ultrafast Poly(disulfide) Synthesis in the Presence of Organocatalysts

Kandemir D., Lüleburgaz S., Günay U. S., Durmaz H., Kumbaracı İ. V.

MACROMOLECULES, cilt.55, sa.17, ss.7806-7816, 2022 (SCI-Expanded)

- II. **Electrospinning of Poly(1,4-Cyclohexanedimethylene Acetylene Dicarboxylate): Study on the Morphology, Wettability, Thermal and Biodegradation Behaviors**
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- V. **Extremely fast synthesis of polythioether based phase change materials (PCMs) for thermal energy storage**
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- VII. **Rapid Hyperbranched Polythioether Synthesis Through Thiol-Michael Addition Reaction**
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- VIII. **Extremely rapid postfunctionalization of maleate and fumarate main chain polyesters in the presence of TBD**
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- IX. **Aliphatic Polyester/polyhedral Oligomeric Silsesquioxanes Hybrid Networks via Copper-free 1,3-dipolar Cycloaddition Click Reaction**
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- XI. **Synthesis and post-polymerization modification of polyester containing pendant thiolactone units**
Baysak E., Günay U. S., dağlar O., Durmaz H.
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- XII. **Study on Post-Polymerization Modification of Ring-Opening Metathesis Polymers Involving Pendant Thiolactone Units**
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- XIII. **Preparation of Linear and Hyperbranched Fluorinated Poly(Aryl Ether-Thioether) through Para-Fluoro-Thiol Click Reaction**
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- XIV. **An emerging post-polymerization modification technique: The promise of thiol-para-fluoro click reaction**
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- 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.
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- 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.
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- XVII. **Modification of electron deficient polyester via Huisgen/Passerini sequence**
Lüleburgaz S., Hızal G., Durmaz H., Tunca Ü.
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- XVIII. **Synthesis of Activated Ester Functional Polyesters through Light-Induced [4+4] Cycloaddition Polymerization**
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- XIX. **Synthesis of Poly(vitamin C) through ADMET**
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- XX. **Post-Functionalization of Perfluorophenyl Ester-Functional Acyclic Diene Metathesis Polymer**
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- XXI. **Heterofunctionalized Multiarm Star Polymers via Sequential Thiol-para-Fluoro and Thiol-Ene Double "Click" Reactions**
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- XXII. **A Route Toward Multifunctional Polyurethanes Using Triple Click Reactions**
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- XXIII. **Dual Release Carriers for Cochlear Delivery**
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- XXIV. **1,3-Dipolar and Diels-Alder cycloaddition reactions on polyester backbones possessing internal electron-deficient alkyne moieties**
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- 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.
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- 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.
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- XXVII. **Ring-opening reactions of backbone epoxidized polyoxanorbornene**
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- XXVIII. **CXCR4-Targeted Nanocarriers for Triple Negative Breast Cancers**
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- XXIX. **Selective and Reversible Binding of Thiol-Functionalized Biomolecules on Polymers Prepared via Chemical Vapor Deposition Polymerization**
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- XXX. **Polymer Grafting Onto Polyurethane Backbone via Diels-Alder Reaction**
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- JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, cilt.53, sa.4, ss.521-527, 2015 (SCI-Expanded)
- XXXI. **Long-circulating Janus nanoparticles made by electrohydrodynamic co-jetting for systemic drug delivery applications**
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- XXXII. **Synthesis and Characterization of Biodegradable Amphiphilic Star and Y-Shaped Block Copolymers as Potential Carriers for Vinorelbine**
Bahadori F., DAG A., Durmaz H., CAKIR N., ONYUKSEL H., TUNCA Ü., TOPCU G., HIZAL G.
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- XXXIII. **V-Shaped Graft Copolymers via Triple Click Reactions: Diels-Alder, Copper-Catalyzed Azide-Alkyne Cycloaddition, and Nitroxide Radical Coupling**
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- XXXIV. **Quadruple click reactions for the synthesis of cysteine-functional heterograft brush copolymer**
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- 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.
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- XXXVI. **Heterograft Brush Copolymers via Romp and Triple Click Reaction Strategies Involving CuAAC, Diels-Alder, and Nitroxide Radical Coupling Reactions**
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- XXXVII. **Various polycarbonate graft copolymers via Diels-Alder click reaction**
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- XXXVIII. **Postfunctionalization of polyoxanorbornene via sequential Michael addition and radical thiol-ene click reactions**
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- XL. **Synthesis and characterization of pyrene bearing amphiphilic miktoarm star polymer and its noncovalent interactions with multiwalled carbon nanotubes**
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- XLI. **Synthesis of tadpole polymers via triple click reactions: Copper-catalyzed azide-alkyne cycloaddition, diels-alder, and nitroxide radical coupling reactions**
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- XLII. **3-miktoarm star terpolymers using triple click reactions: Diels-Alder, copper-catalyzed azide-alkyne cycloaddition, and nitroxide radical coupling reactions**
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- XLIII. **Double click reaction strategies for polymer conjugation and post-functionalization of polymers**
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- XLV. Synthesis of a Novel Macroinimer Based on Thiophene and Poly(epsilon-caprolactone) and Its Use in Electrochromic Device Application**
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- XLVI. Various Brush Polymers Through Ring Opening Metathesis Polymerization and Nitroxide Radical Coupling Reaction**
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- XLVII. Linear Tetrablock Quaterpolymers via Triple Click Reactions, Azide-Alkyne, Diels-Alder, and Nitroxide Radical Coupling in a One-Pot Fashion**
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- XLIX. Block-Brush Copolymers via ROMP and Sequential Double Click Reaction Strategy**
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- L. Graft Copolymers via ROMP and Diels-Alder Click Reaction Strategy**
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- LI. Cyclic Homo and Block Copolymers Through Sequential Double Click Reactions**
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- LII. Multiarm Star Polymers with Peripheral Dendritic PMMA Arms Through Diels-Alder Click Reaction**
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- LVI. Novel strategy for tailoring of SiO₂ and TiO₂ nanoparticle surfaces with poly(epsilon-caprolactone)**
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- LX. ROMP-NMP-ATRP Combination for the Preparation of 3-Miktoarm Star Terpolymer via Click**

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Gacal B., DURMAZ H., TASDELEN M. A., Hizal G., TUNCA U., YAGCI Y., DEMIREL A. L.

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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., Hizal G.

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Diger Dergilerde Yayınlanan Makaleler

I. Use of Atom Transfer Radical Coupling Reactions for the Synthesis of Various Macromolecular, Structures

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Abstracts of Papers of the American Chemical Society, Polymer Preprints, cilt.49, sa.2, ss.382-383, 2008 (Hakemli Dergi)

Desteklenen Projeler

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Durmaz H., Günay U. S., Yükseköğretim Kurumları Destekli Proje, Tiyolakton Yan Grupları İçeren Polyester Sentezi ve Modifikasyonu, 2017 - 2018

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

TÜBİTAK Projesi, Diels Alder Reaksiyonlarının Makromoleküler Mühendislikte Kullanımı, 2006 - 2008

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Atıf (Scopus): 2648

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