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Education Information

Doctorate, Hacettepe University, Fen Bilimleri Enstitüsü, Kimya (Dr), Turkey 1992 - 1996

Postgraduate, Hacettepe University, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), Turkey 1989 - 1992

Undergraduate, Hacettepe University, Mühendislik Fakültesi, Kimya Bölümü, Turkey 1982 - 1988

Dissertations

Doctorate, Trietoksi vinil silan-metil metakrilat kopolimerlerinin sentezi ve karakterizasyonu, Hacettepe University, Fen Bilimleri Enstitüsü, Kimya (Dr), 1996

Postgraduate, Silika dolgulu poli (akrilik asit) kompozitlerinin hazırlanması ve karakterizasyonu, Hacettepe University, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), 1992

Research Areas

Natural Sciences

Academic Titles / Tasks

Professor, Gazi University, Fen Fakültesi, Kimya Bölümü, 2008 - Continues

Advising Theses

- ÇAYKARA T., Preparation Of Spiropran Containing Materials And Determination Of Light Sensitivity, Photochromic And Mechanochromic Properties, Doctorate, E.MUTLUTÜRK(Student), 2021
- ÇAYKARA T., Synthesis Of Hybrid Polymer Brush Via Combination Of Surface-Initiated Ring-Opening Metathesis Polymerization And Thiol-Ene Click Reaction And Its Use In Dna Hybridization, Doctorate, E.ALTAY(Student), 2021
- Çaykara T., Light Induced Self-Healing Polymer Thin Films, Postgraduate, Z.ONGUN(Student), 2019
- Çaykara T., Synthesis Of Thermo- And Photoresponsive Mixed Polymer Brushes Via Combination Of Surface Initiated Pet-ATRP and Interface Mediated RAFT Polymerization: Cell Sheet Preparation and Detachment State, Doctorate, M.EVCİ(Student), 2019
- Çaykara T., Synthesis And Kinetics Analysis Of Poly (2-Hydroxyethyl Acrylamide) Brushes Via Surface Initiated Set-Raft Polymerization, Postgraduate, F.Maden(Student), 2018

Çaykara T., Synthesis Of Bottle Type Polymer Brushes Via Interface-Mediated Reversible Addition-Fragmentation Chain Transfer (RAFT) Polymerization, Postgraduate, K.ÖZKAN(Student), 2018

Çaykara T., Preparation Of Ibuprofen Imprinted Poly(N-[2-Hydroxylpropyl] Methacrylamide) Thin Films On The Silicon Surface, Doctorate, E.YİLDİRİM(Student), 2016

Çaykara T., Synthesis and characterization of photopatterned polymer brushes by reversible addition-fragmentation chain transfer (RAFT) technique and their use as biofunctional surface, Doctorate, D.ÇİMEN(Student), 2014

Çaykara T., Synthesis And Kinetik Analysis Of Poly(4-Acryloylmorpholine) Brushes Via Interface Mediated Raft Polymerization, Postgraduate, E.KILIÇER(Student), 2014

Çaykara T., Yüzeyde Başlatılan Tersinir Katılma-Ayrılma Zincir Transfer Polimerleşmesi ile Silisyum Disk Yüzeyinde pH Duyarlı Poli(N,N-Dimetilaminoetil Metakrilat) Fırçaların Sentezi ve Karakterizasyonu, Postgraduate, G.KARAKÖSE(Student), 2014

Çaykara T., Synthesis Of Glycopolymer Brushes By Reversible Addition Fragmentation Chain Transfer Polymerization And Their Use For Spesific Lectin Adsorption, Postgraduate, T.TUĞANA(Student), 2014

Çaykara T., Preparation of polymer brush-nanoparticle hybrid systems and their biosensor applications, Doctorate, A.ZENGİN(Student), 2013

Çaykara T., Yüzeyde Başlatılan Tersinir Katılma-Ayrılma Zincir Transfer Polimerizasyonu ile Poli(Glisidil Metakrilat) Fırçaların Sentezi ve Karakterizasyonu, Postgraduate, T.ULUSAN(Student), 2011

Çaykara T., Synthesis of poly[(ar-vinylbenzyl)trimethylammonium chloride] brush covalently attached to silicon disc surface by reversible addition-fragmentation chain transfer polymerization and its use for dna immobilization, Doctorate, S.DEMİRCİ(Student), 2011

ÇAYKARA T., Miyogloblin baskılı yüzey tasarımı, Postgraduate, E.YILDIRIM(Student), 2010

Çaykara T., Yüzeyde Başlatılan Atom Transfer Radikal Polimerizasyonu ile Si(100) Yüzeyine Kovalent Bağlı Tek Tabakaların Hazırlanması ve Yönlendirilmiş İmmünoglobülin G İmmobilizasyonunda Kullanımı, Doctorate, E.TURAN(Student), 2010

ÇAYKARA T., Design of photocontrollable DNA chip by self-assembled monolayer method, Doctorate, G.DEMİREL(Student), 2009

ÇAYKARA T., DESIGN OF ULTRAHYDROPHOBIC SURFACE BY SURFACE INITIATED ATOM TRANSFER RADICAL POLYMERIZATION TECHNIQUE, Postgraduate, E.ÖZTÜRK(Student), 2009

ÇAYKARA T., SYNTHESIS AND CHARACTERIZATION OF POLY(N-[3-(DIMETHYLAMINO)PROPYL]METHACRYLAMIDE) BRUSHES COVALENTLY ATTACHED TO SILICON DISC BY SURFACE-INITIATED REVERSIBLE ADDITION-FRAGMENTATION CHAIN TRANSFER POLYMERIZATION, Postgraduate, N.GÜRBÜZ(Student), 2009

ÇAYKARA T., Yüzeyde başlatılan atom transfer radikal polimerizasyonu tekniği ile ultrahidrofobik yüzey tasarımı, Postgraduate, E.ÖZTÜRK(Student), 2009

ÇAYKARA T., DESIGN OF A BIOCOMPATIBLE SURFACE BY SELF ASSEMBLY METHOD, Postgraduate, A.ZENGİN(Student), 2009

ÇAYKARA T., THE MOLECULE DESIGN OF POLYMER ADDITIVE WITH SMART BIOACTIVE COVALENTLY ATTACHED TO Si(100) DISC SURFACE, Postgraduate, A.VAKIFLI(Student), 2008

ÇAYKARA T., SYNTHESIS AND CHARACTERIZATION OF POLY(N-ISOPROPYLACRYLAMIDE) BRUSHES ON Si(100) SURFACE BY SURFACE INITIATED NITROXIDE MEDIATED POLYMERIZATION METHOD AND ITS USE AS BIOACTIVE SURFACE, Postgraduate, D.ÇİMEN(Student), 2008

ÇAYKARA T., Si(100) disk yüzeyine kovalent bağlı akıllı biyolojik aktiviteye sahip polimer katkı molekül tasarımı, Postgraduate, A.VAKIFLI(Student), 2008

ÇAYKARA T., Yüzeyde başlatılan azot vasıtalı polimerizasyon yöntemi ile Si(100) yüzeyler üzerinde poli(N-izopropilakrilamit) fırçaların sentezi, karakterizasyonu ve biyoaktif yüzey olarak kullanımı, Postgraduate, D.ÇİMEN(Student), 2008

ÇAYKARA T., Poli (glisidil metakrilat-ko-etilen glikol dimetakrilat) mikroküre sentezi ve değişik gruplarla modifiye edilmesi, Postgraduate, F.ÇAKAR(Student), 2006

ÇAYKARA T., Hidroksipropilselüloz / poli(etilen imin) interpolimer komplekslerinin hazırlanması,yapı ve yüzey özelliklerinin incelenmesi, Postgraduate, G.ŞENGÜL(Student), 2006

ÇAKMAK M., ÇAYKARA T., Si(100) yüzeyler üzerine kendiliğinden düzenlenen biyolojik aktiviteye sahip tabakaların tasarımı, Doctorate, G.DEMİREL(Student), 2006

ÇAYKARA T., Manyetik alan ve sıcaklık duyarlı poli(n-t-bütillakrilamit-ko-akrilamit)/poli(vinil metil eter) yarı-içiçe geçmiş ağ yapılı ferrojellerinin sentezi ve karakterizasyonu, Postgraduate, D.YÖRÜK(Student), 2006

ÇAYKARA T., İki basamaklı polimerizasyon yöntemiyle makrogözenekli poli[2-(dietilamino)etilmetakrilat-ko-N,N-dimetilakrilamit] hidrojellerinin hazırlanması ve karakterizasyonu, Postgraduate, S.KÜÇÜKTEPE(Student), 2006

ÇAYKARA T., Hemoglobın baskılı poli(n- t- butilakrilamit - ko akrilamit / itakonik asit) hidrojellerinin sentezi ve adsorpsiyon özelliklerinin incelenmesi, Postgraduate, A.GÜL(Student), 2006

ÇAYKARA T., Poli(vinil alkol)/kappa karaginan ve poli(vinil alkol)/iota karaginan interpolimer komplekslerinin hazırlanması, karakterizasyonu ve radyasyonla etkileşimi, Doctorate, Ö.KANTOĞLU(Student), 2006

ÇAYKARA T., Poli [n,n-(dietilamino)etil metakrilat-ko-n,n-dimetilakrilamit] hidrojelleri ve değişik ph değerlerine sahip yüzey aktif madde çözeltilerindeki şişme, Postgraduate, S.AĞAÇKANLI(Student), 2006

ÇAYKARA T., Hidrofobik özellikli poli[2-(dietilamino)etilmetakrilat-ko-n-vinil-2-pirolidon/oktadesilakrilat] hidrojellerinin sentezi ve yüzey aktif madde adsorpsiyonunda kullanımı, Postgraduate, D.İZOL(Student), 2006

ÇAYKARA T., Sodyum aljinatın poli (vinil alkol), poli (N-vinil-2-pirolidon), poli (etilen oksit) ile interpolimer komplekslerinin hazırlanması ve karakterizasyonu, Postgraduate, S.DEMİRCİ(Student), 2005

ÇAYKARA T., Makro gözenekli sıcaklık duyarlı poli (N-izopropilakrilamit-ko-akrilamit) hidrojellerinin sentezi ve karakterizasyonu, Postgraduate, S.KİPER(Student), 2005

ÇAYKARA T., Makrogözenekli poli (akrilamit) hidrojellerinin hazırlanması ve farklı ortamlardaki şişme davranışlarının incelenmesi, Postgraduate, M.BULUT(Student), 2005

ÇAYKARA T., İyonik poli (N,N dimetilakrilamid-ko-akrilamid) hidrojellerinin sentezi ve şişme davranışları, Postgraduate, İ.AKÇAKAYA(Student), 2005

ÇAYKARA T., Sıcaklık duyarlı poli (N-t-bütillakrilamit-KO-akrilamit) hidrojellerinin şişme davranışlarına çapraz bağlayıcı türü ve miktarının etkisi, Postgraduate, E.TURAN(Student), 2005

ÇAYKARA T., Amidoksim gruplarınca zenginleştirilmiş polimerik adsorban sentezi, karakterizasyonu ve uranil iyonlarının adsorpsiyonunda kullanımı, Postgraduate, Ş.ŞİRİN(Student), 2004

ÇAYKARA T., Hidrofobik özellikli poli (N-[3-(Dimetilamino)propil]-Metakrilamit-ko-lauril akrilat) hidrojellerinin sentezi ve yüzey aktif madde çözeltilerindeki şişme davranışları, Postgraduate, G.BİRLİK(Student), 2004

ÇAYKARA T., İyonik poli[2-(dietilamino) etil metakrilat-ko-N-vinil-2-pirolidon] hidrojellerinin sentezi ve şişme davranışları, Postgraduate, İ.AYÇİÇEK(Student), 2004

ÇAYKARA T., Sıcaklık duyarlı poli (N-[3-(dimetilamino)propil]-metakrilamid-koakrilamid) hidrojenlerinin sentezi ve kinetik davranışlarının inceleşmesi, Postgraduate, M.DEMİRAY(Student), 2004

ÇAYKARA T., Poli(n-vinil-2-pirolidon)/kitosan interpolimer komplekslerinin hazırlanması ve karakterizasyonu, Postgraduate, A.ALASLAN(Student), 2004

ÇAYKARA T., Maleik asit ve itakonik asit esaslı poli(2-hidroksi etil metakrilat) hidrojellerinin hazırlanması, karakterizasyonu ve uranil iyonlarının adsorpsiyonunda kullanımı, Doctorate, C.ÖZYÜREK(Student), 2003

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Polymer brush construction with interface-mediated RAFT polymerization technique for glutathione determination**
Elmalı N., Cimen Eren D., Caykara T., YİLDİRİM E.
Colloids and Surfaces A: Physicochemical and Engineering Aspects, vol.685, 2024 (SCI-Expanded)
- II. **Photo- and pH-Responsive Hybrid Colloidal Particles**
Mutlutürk E., TAMER U., Caykara T.
ChemistrySelect, vol.8, no.6, 2023 (SCI-Expanded)
- III. **Synthesis and kinetic analysis of poly(N-acryloylmorpholine) brushes via surface initiated RAFT polymerization**
MUTLUTÜRK E., ÇAYKARA T.
Turkish Journal of Chemistry, vol.47, no.1, pp.185-195, 2023 (SCI-Expanded)
- IV. **Poly(L-lactic acid)/poly(ethylene oxide) based composite electrospun fibers loaded with magnesium-aluminum layered double hydroxide nanoparticles**

Ozturk E. A., Ege Z. R., Murat S., Erdemir G., Kuruca S., ERKMEN Z. E., Duygulu O., GÜNDÜZ O., ÇAYKARA T., EROĞLU M. S.

INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.217, pp.562-571, 2022 (SCI-Expanded)

- V. **Grafting parameters and surface free energy components of photosensitive poly(methacrylated spiropyran) brushes**
Mutlutar E., ÇAYKARA T.
JOURNAL OF MACROMOLECULAR SCIENCE PART A-PURE AND APPLIED CHEMISTRY, vol.59, no.4, pp.307-314, 2022 (SCI-Expanded)
- VI. **Microwave-Assisted Synthesis of Stretchable and Transparent Poly(Ethyleneglycol-Sebacate) Elastomers with Autonomous Self-Healing and Capacitive Properties**
Gunal G., Okan M., GÖKCEN D., ÇAYKARA T., AYDIN H. M.
SOFT ROBOTICS, vol.8, pp.262-272, 2021 (SCI-Expanded)
- VII. **Synthesis of hyaluronated poly(exo-7-oxabicyclo[2.2.1]hept-5-en-2,3-dicarboxylic anhydride) brushes via a combination of surface-initiated ring-opening metathesis polymerization and thiol-ene click reaction**
Ozturk E. A., EROĞLU M. S., ÇAYKARA T.
CHEMICAL PAPERS, vol.75, no.4, pp.1629-1638, 2021 (SCI-Expanded)
- VIII. **Grafting density of oligo-bottle-brushes on silicon surface: effect of mole fraction of RAFT agent-functionalized alkenes in mixed self-assembled monolayers**
ÖZKAN HÜKÜM K., YİLDİRİM E., Evci M., ÇAYKARA T.
JOURNAL OF MACROMOLECULAR SCIENCE PART A-PURE AND APPLIED CHEMISTRY, vol.57, no.7, pp.479-487, 2020 (SCI-Expanded)
- IX. **Synthesis of temperature and light sensitive mixed polymer brushes via combination of surface-initiated PET-ATRP and interface-mediated RAFT polymerization for cell sheet application**
Evci M., Tevlek A., AYDIN H. M., ÇAYKARA T.
APPLIED SURFACE SCIENCE, vol.511, 2020 (SCI-Expanded)
- X. **Surface-initiated single-electron transfer reversible addition-fragmentation chain transfer polymerization of 2-hydroxyethyl acrylamide on silicon substrate at ambient temperature**
Yucel F. M., YİLDİRİM E., ÇAYKARA T.
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.57, no.10, pp.1140-1146, 2019 (SCI-Expanded)
- XI. **Photo-control of poly(N-[4-[(4-Nitrophenyl)azo]phenyl]acrylamide) brushes on graphene oxide coated silicon surface**
Evci M., ÇAYKARA T.
CHEMICAL PAPERS, vol.73, no.4, pp.927-935, 2019 (SCI-Expanded)
- XII. **SERS detection of polyaromatic hydrocarbons on a -cyclodextrin containing polymer brush**
Zengin A., TAMER U., ÇAYKARA T.
JOURNAL OF RAMAN SPECTROSCOPY, vol.49, no.3, pp.452-461, 2018 (SCI-Expanded)
- XIII. **Ibuprofen-imprinted ultrathin poly[N-(2-hydroxypropyl) methacrylamide] films**
YİLDİRİM E., ÇAYKARA T.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.135, no.4, 2018 (SCI-Expanded)
- XIV. **Glycopolymer brushes with specific protein recognition property**
Kursun T. T., Cimen D., ÇAYKARA T.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.134, no.36, 2017 (SCI-Expanded)
- XV. **A novel route to prepare a multilayer system via the combination of interface-mediated catalytic chain transfer polymerization and thiol-ene click chemistry**
Zengin A., ÇAYKARA T.
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.74, pp.103-109, 2017 (SCI-Expanded)
- XVI. **SERS detection of hepatitis B virus DNA in a temperature-responsive sandwich-hybridization assay**
Zengin A., TAMER U., ÇAYKARA T.

- JOURNAL OF RAMAN SPECTROSCOPY, vol.48, no.5, pp.668-672, 2017 (SCI-Expanded)
- XVII. **Alginate Blends of Poly(vinyl alcohol) and Poly(N-vinyl-2-pyrrolidone) for Higher Physicomechanical Properties: Rationale of Making Heteropolymers**
ÇAYKARA T., Saleem Y.
ALGAE BASED POLYMERS, BLENDS, AND COMPOSITES: CHEMISTRY, BIOTECHNOLOGY AND MATERIALS SCIENCES, pp.565-579, 2017 (SCI-Expanded)
- XVIII. **Synthesis of poly(N-(2-hydroxypropyl) methacrylamide) brushes by interface-mediated RAFT polymerization**
YİLDİRİM E., Cimen D., Zengin A., ÇAYKARA T.
RSC ADVANCES, vol.6, no.51, pp.45259-45264, 2016 (SCI-Expanded)
- XIX. **Synthesis of dual-functional poly(6-azidohexylmethacrylate) brushes by a RAFT agent carrying carboxylic acid end groups**
Cimen D., YİLDİRİM E., ÇAYKARA T.
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.53, no.14, pp.1696-1706, 2015 (SCI-Expanded)
- XX. **A new plasmonic device made of gold nanoparticles and temperature responsive polymer brush on a silicon substrate**
Zengin A., TAMER U., ÇAYKARA T.
JOURNAL OF COLLOID AND INTERFACE SCIENCE, vol.448, pp.215-221, 2015 (SCI-Expanded)
- XXI. **Fabrication of a SERS based aptasensor for detection of ricin B toxin**
Zengin A., TAMER U., ÇAYKARA T.
JOURNAL OF MATERIALS CHEMISTRY B, vol.3, no.2, pp.306-315, 2015 (SCI-Expanded)
- XXII. **Micro-patterned polymer brushes by a combination of photolithography and interface-mediated RAFT polymerization for DNA hybridization**
Cimen D., ÇAYKARA T.
POLYMER CHEMISTRY, vol.6, no.38, pp.6812-6818, 2015 (SCI-Expanded)
- XXIII. **Synthesis and Stability of BODIPY-Based Fluorescent Polymer Brushes at Different pHs**
Cimen D., Kursun T. T., ÇAYKARA T.
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.52, no.24, pp.3586-3596, 2014 (SCI-Expanded)
- XXIV. **Extremely sensitive sandwich assay of kanamycin using surface-enhanced Raman scattering of 2-mercaptobenzothiazole labeled gold@silver nanoparticles**
Zengin A., TAMER U., ÇAYKARA T.
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- XXV. **Poly(2-(dimethylamino)ethyl methacrylate) brushes fabricated by surface-mediated RAFT polymerization and their response to pH**
Zengin A., Karakose G., ÇAYKARA T.
EUROPEAN POLYMER JOURNAL, vol.49, no.10, pp.3350-3358, 2013 (SCI-Expanded)
- XXVI. **A SERS-Based Sandwich Assay for Ultrasensitive and Selective Detection of Alzheimer's Tau Protein**
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BIOMACROMOLECULES, vol.14, no.9, pp.3001-3009, 2013 (SCI-Expanded)
- XXVII. **A new selenium-based RAFT agent for surface-initiated RAFT polymerization of 4-vinylpyridine**
DEMİRÇİ S., Kinali-Demirci S., ÇAYKARA T.
POLYMER, vol.54, no.20, pp.5345-5350, 2013 (SCI-Expanded)
- XXVIII. **Synthesis of superparamagnetic and thermoresponsive hybrid nanoparticles via surface-mediated RAFT polymerization of di(ethylene glycol) ethyl ether acrylate and (oligoethylene glycol) methyl ether acrylate**
Zengin A., TAMER U., ÇAYKARA T.
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.51, no.16, pp.3420-3428, 2013 (SCI-Expanded)
- XXIX. **Preparation of oligo-N-isopropylacrylamide brushes with -OH and -COOH end-groups via surface-**

initiated NMP

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- XXX. **Stimuli-responsive diblock copolymer brushes via combination of "click chemistry" and living radical polymerization**
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- XXXI. **Novel pH-responsive mixed-charge copolymer brushes based on carboxylic acid and quaternary amine monomers**
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- XXXII. **RAFT-Mediated Synthesis and Temperature-Induced Responsive Properties of Poly(2-(2-Methoxyethoxy)ethyl Methacrylate) Brushes**
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- XXXIII. **Molecularly imprinted superparamagnetic iron oxide nanoparticles for rapid enrichment and separation of cholesterol**
Zengin A., YİLDİRİM E., TAMER U., ÇAYKARA T.
ANALYST, vol.138, no.23, pp.7238-7245, 2013 (SCI-Expanded)
- XXXIV. **Preparation and characterization of polysaccharide interpolymer complexes: I-PVA/iota-carrageenan**
Kantoglu O., ÇAYKARA T., Guven O.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.127, no.1, pp.500-507, 2013 (SCI-Expanded)
- XXXV. **RAFT-mediated synthesis of cationic poly[(ar-vinylbenzyl)trimethylammonium chloride] brushes for quantitative DNA immobilization**
DEMİRCİ S., ÇAYKARA T.
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.33, no.1, pp.111-120, 2013 (SCI-Expanded)
- XXXVI. **Surface chemical conversion of 3-glycidoxypropyldimethylethoxysilane on hydroxylated silicon surface: FT-IR, contact angle and ellipsometry analysis**
DEMİRCİ S., Kinali-Demirci S., ÇAYKARA T.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.99, pp.144-149, 2012 (SCI-Expanded)
- XXXVII. **RAFT-mediated synthesis of poly[(oligoethylene glycol) methyl ether acrylate] brushes for biological functions**
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- XXXVIII. **Controlled grafting of cationic poly[(ar-vinylbenzyl)trimethylammonium chloride] on hydrogen-terminated silicon substrate by surface-initiated RAFT polymerization**
DEMİRCİ S., ÇAYKARA T.
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- XXXIX. **High density cationic polymer brushes from combined "click chemistry" and RAFT-mediated polymerization**
DEMİRCİ S., ÇAYKARA T.
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- XL. **Controlling immunoglobulin G orientation on a protein-A terminated bilayer system**
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- XL1. Formation of poly(octadecyl acrylate) brushes on a silicon wafer surface**
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- XLII. Biofunctional oligoN-isopropylacrylamide brushes on silicon wafer surface**
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JOURNAL OF MATERIALS CHEMISTRY, vol.22, no.26, pp.13231-13238, 2012 (SCI-Expanded)
- XLIII. Construction of myoglobin imprinted polymer films by grafting from silicon surface**
YİLDİRİM E., Turan E., ÇAYKARA T.
JOURNAL OF MATERIALS CHEMISTRY, vol.22, no.2, pp.636-642, 2012 (SCI-Expanded)
- XLIV. Synthesis of Poly(N-isopropylacrylamide) with a Low Molecular Weight and a Low Polydispersity Index by Single-Electron Transfer Living Radical Polymerization**
Turan E., Zengin A., ÇAYKARA T.
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- XLV. A facile route to end-functionalized poly(N-isopropylacrylamide) brushes synthesized by surface-initiated SET-LRP**
Turan E., ÇAYKARA T.
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- XLVI. SET-LRP of N-Isopropylacrylamide in the Presence of Chain Transfer Agent**
Turan E., ÇAYKARA T.
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- XLVII. Understanding 4-bromostyrene Adsorption on the Si(001)-(1 x 2) surface: A density functional theory study**
Demirel G. B., ÇAKMAK M., ÇAYKARA T.
SURFACE SCIENCE, vol.605, pp.1056-1061, 2011 (SCI-Expanded)
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