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Eğitim Bilgileri

Doktora, Hacettepe Üniversitesi, Mühendislik Fakültesi, Türkiye 1992 - Devam Ediyor

Yüksek Lisans, Hacettepe Üniversitesi, Mühendislik Fakültesi, Türkiye 1986 - Devam Ediyor

Lisans, Hacettepe Üniversitesi, Mühendislik Fakültesi, Türkiye 1985 - Devam Ediyor

Yabancı Diller

İngilizce, C1 İleri

Yaptığı Tezler

Doktora, Hemoperfüzyon için spesifik sorbentler, Hacettepe Üniversitesi, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, 1992

Yüksek Lisans, Phema-BGA bazlı matrisklerden 5-fluorouracilin kontrollü salınımı, Hacettepe Üniversitesi, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, 1986

Araştırma Alanları

Kimya Mühendisliği ve Teknolojisi , Biyoteknoloji, Biyoproses Ayırma İşlemleri, Kimya, Biyokimya, Aminoasitler, Protein Kimyası, Temel Bilimler, Mühendislik ve Teknoloji

Akademik Unvanlar / Görevler

Prof.Dr., Hacettepe Üniversitesi, Fen Fakültesi, Kimya Bölümü, 2011 - Devam Ediyor

Yönetilen Tezler

DENİZLİ A., PREPARATION OF FAB FRAGMENT IMMOBILIZED IMMUNOAFFINITY CRYOGELS AND ALBUMIN PURIFICATION, Doktora, S.HUSEYNLI(Öğrenci), 2018

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- I. **Biosensing Platforms for Cardiac Biomarker Detection**
Gerdan Z., SAYLAN İNCİ Y., DENİZLİ A.
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- II. **Preparation of chiral monoliths with new modulation of the monolith surface chemistry for the enantioseparation of chiral drugs by nano-liquid chromatography**
Bayındır S., Aydoğan C., DENİZLİ A.
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- III. **Biosensing Applications of Molecularly Imprinted-Polymer-Based Nanomaterials**
SAYLAN İNCİ Y., Kılıç S., DENİZLİ A.
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- IV. **Designing of drug imprinted polymeric microcryogels for controlled release of Darunavir**
Şafak İ., ÇALIŞIR M., Bakhshpour-Yucel M., SAĞLAM N., DENİZLİ A.
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- V. **Phenylalanine functionalized cryogels for selective cholesterol removal from milk**
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- VI. **Plasmonic nanosensors for pharmaceutical and biomedical analysis**
AKGÖNÜLLÜ S., DENİZLİ A.
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- VII. **Gelatin cryogels enriched with tea tree oil (*Melaleuca alternifolia*): characterization, antibacterial properties**
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- VIII. **Electrochemical Detection of Cortisol by Silver Nanoparticle-Modified Molecularly Imprinted Polymer-Coated Pencil Graphite Electrodes**
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- IX. **In situ synthesis and dynamic simulation of molecularly imprinted polymeric nanoparticles on a micro-reactor system**
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- X. **Isothermal titration calorimetry binding properties of Cibacron Blue F3GA in complex with human serum albumin**
Andac C. A., ÇAĞLAR S., DENİZLİ A., ANDAÇ A. M.
Journal of Molecular Recognition, cilt.36, sa.8, 2023 (SCI-Expanded)
- XI. **Molecular imprinted based microcryogels for thrombin purification**
Asena Özbek M., ÖZGÜR E., BERELİ N., DENİZLİ A.
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- XII. **Surface Plasmon Resonance Based Sensor for Amaranth Detection With Molecularly Imprinted Nanoparticles**
Ozgur F. O., ÇİMEN D., DENİZLİ A., BERELİ N.
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- XIII. **Preparation of Concanavalin A Imprinted Surface Plasmon Resonance Based Biosensors**
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- XIV. **Development of Optical-Based Molecularly Imprinted Nanosensors for Adenosine Detection**
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- XV. **Simple and Fast Pesticide Nanosensors: Example of Surface Plasmon Resonance Coumaphos Nanosensor**
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- XVI. **Preparation of molecular imprinted injectable polymeric micro cryogels for control release of mitomycin C**
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- XVII. **Preparation of magnetic poly(ethylene glycol dimethacrylate-N-Methacryloyl-(L)-glutamic acid) particles for thrombin purification**
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- XVIII. **Preparation of Immobilised 17 β -Estradiol-Imprinted Nanoparticles onto Bacterial Cellulose Nanofibres to Use for the Removal of 17 β -Estradiol from Wastewater**
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- XIX. **Molecular imprinting-based sensors: Lab-on-chip integration and biomedical applications**
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- XX. **Removal of amoxicillin via chromatographic monolithic columns: comparison between batch and continuous fixed bed**
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- XXI. **A surface plasmon resonance sensor with synthetic receptors decorated on graphene oxide for selective detection of benzylpenicillin**
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- XXII. **Advanced Plasmonic Nanosensors for Monitoring of Environmental Pollutants**
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- XXIII. **Human serum albumin depletion based on dye ligand affinity chromatography via magnetic microcryogels**
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- XXIV. **Cibacron Blue F3GA ligand dye-based magnetic silica particles for the albumin purification**
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- XXV. **Ion-imprinted-based nanochelators for iron(III) removal from synthetic gastric fluid**
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- XXVI. **Inspirations of Biomimetic Affinity Ligands: A Review**
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- XXVII. **Quartz Crystal Microbalance-Based Aptasensors for Medical Diagnosis**
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- XXVIII. **SPR Signal Enhancement With Silver Nanoparticle-Assisted Plasmonic Sensor for Selective Adenosine Detection**
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- XXIX. **Molecular imprinted nanoparticle assisted surface plasmon resonance biosensors for detection of thrombin**
ÇİMEN D., BERELİ N., Gunaydin S., DENİZLİ A.
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- XXX. **Recent Advances of Optical Sensors for Copper Ion Detection**
Gerdan Z., Saylan Y., Denizli A.
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- XXXI. **Selective Amplification of Plasmonic Sensor Signal for Cortisol Detection Using Gold Nanoparticles**
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- XXXII. **Metal-chelated polyamide hollow fiber membranes for ovalbumin purification from egg white**
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- XXXIII. **Fab fragment immobilized immunoaffinity cryogels as a tool for human serum albumin purification: Characterization of Fab immobilized cryogels**
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- XXXIV. **Investigation of Thermodynamic, Kinetic, and Isothermal Parameters for the Selective Adsorption of Bisphenol A**
ÜZEK R., ŞENEL S., DENİZLİ A.
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- XXXV. **Patulin Imprinted Nanoparticles Decorated Surface Plasmon Resonance Chips for Patulin Detection**
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- XXXVI. **Preparation of magnetic nanoparticles-assisted plasmonic biosensors with metal affinity for interferon-alpha detection**
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- XXXVII. **Molecularly imprinted polymer film based plasmonic sensors for detection of ochratoxin A in dried fig**
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- XXXVIII. **Diclofenac Imprinted Surface Plasmon Resonance (SPR) Based Sensor**
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- XL. **Sensitive and real-time detection of IgG using interferometric reflecting imaging sensor system**
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- XLI. **Development of ion imprinted based magnetic nanoparticles for selective removal of arsenic (III) and arsenic (V) from wastewater**
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SAYLAN Y., UZUN L., DENİZLİ A.
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- CCXI. **Molecularly imprinted hydrophobic polymers as a tool for separation in capillary electrochromatography**
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- CCXII. **A Novel Affinity Disks for Bovine Serum Albumin Purification**
Tuzmen N., Kalburcu T., AKTAŞ UYGUN D., AKGÖL S., DENİZLİ A.
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- CCXIII. **Heparin removal from human plasma using molecular imprinted cryogels**
Baydemir G., DENİZLİ A.
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- CCXIV. **Synthesis and characterization of molecularly imprinted polymer embedded composite cryogel discs: application for the selective extraction of cypermethrins from aqueous samples prior to GC-MS analysis**
SHAIKH H., Andac M., Memon N., Bhanger M. I., Nizamani S. M., DENİZLİ A.
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- CCXV. **Affinity composite cryogel discs functionalized with Reactive Red 120 and Green HE 4BD dye ligands: Application on the separation of human immunoglobulin G subclasses**
Huseynli S., Baydemir G., Sari E., Elkak A., DENİZLİ A.
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- CCXVI. **Molecularly Imprinted Cryogels for Human Serum Albumin Depletion**
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- CCXVII. **Molecularly imprinted surface plasmon resonance (SPR) based sensing of bisphenol A for its selective detection in aqueous systems**
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- CCXVIII. **Cryogels for Affinity Chromatography**
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- CCXIX. **Molecularly imprinted cryogel cartridges for the specific filtration and rapid separation of interferon alpha**
Corman M. E., Armutcu C., Ozkara S., UZUN L., DENİZLİ A.
RSC ADVANCES, cilt.5, sa.56, ss.45015-45026, 2015 (SCI-Expanded)
- CCXX. **Colorimetric Sensor Array Based on Gold Nanoparticles and Amino Acids for Identification of Toxic Metal Ions in Water**
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- CCXXI. **PHEMA based composite cryogels with loaded hydrophobic beads for lysozyme purification**
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- CCXXII. **Self-oriented nanoparticles for site-selective immunoglobulin G recognition via epitope imprinting approach**
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- CCXXIII. **Molecularly imprinted magnetic nanoparticles for controlled delivery of mitomycin C**
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- CCXXIV. **Molecularly imprinted composite cryogels for hemoglobin depletion from human blood**
Baydemir G., Andac M., Percin I., Derazshamshir A., DENİZLİ A.
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- CCXXV. **Surface molecularly imprinted magnetic microspheres for the recognition of albumin**
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- CCXXVI. **A new zwitterionic electrochromatographic stationary phase based on poly(3-chloro-2-hydroxypropyl methacrylate-co-ethylene dimethacrylate) reactive monolith**
AYDOĞAN C., Celebi B., Bayraktar A., YILMAZ F., DENİZLİ A., Tuncel A.
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- CCXXVII. **Molecularly Imprinted Supermacroporous Cryogels for Myoglobin Recognition**
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- CCXXVIII. **Surface imprinting approach for preparing specific adsorbent for IgG separation**
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- CCXXIX. **Bone regeneration by pHEMA/gelatin cryogel based scaffolds, AdMSCs and controlled release of steroid hormones: in vitro and in vivo studies**
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- CCXXX. **Dye Attached Nanoparticles for Lysozyme Adsorption**
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- CCXXXI. **Molecularly imprinted cryogels for carbonic anhydrase purification from bovine erythrocyte**
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- CCXXXII. **Core-shell molecularly imprinted polymer-based solid-phase microextraction fiber for ultra trace analysis of endosulfan I and II in real aqueous matrix through gas chromatography-micro electron capture detector**
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- CCXXXIII. **Bitargeting and ambushing nanotheranostics**
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- CCXXXIV. **Development of molecular imprinted nanosensor for determination of tobramycin in pharmaceuticals and foods**
Yola M. L., UZUN L., ÖZALTIN N., DENİZLİ A.
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- CCXXXV. **Preparation of an Electrochromatographic Stationary Phase Using a New Polymethacrylate Monolith with Chloropropyl Functionality**
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- CCXXXVI. **Chiral separation-based ligand exchange by open-tubular capillary electrochromatography**
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- CCXXXVII. **Aspartic acid incorporated monolithic columns for affinity glycoprotein purification**
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COLLOIDS AND SURFACES B-BIOINTERFACES, cilt.114, ss.67-74, 2014 (SCI-Expanded)
- CCXXXVIII. **Lysine-Promoted Colorimetric Response of Gold Nanoparticles: A Simple Assay for Ultrasensitive Mercury(II) Detection**
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- CCXXXIX. **Reactive Red 120 and Ni(II) Derived Poly(2-hydroxyethyl methacrylate) Nanoparticles for Urease Adsorption**
Turkcan C., AKTAŞ UYGUN D., AKGÖL S., DENİZLİ A.
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- CCXL. **Immobilized metal ion affinity nanospheres for alpha-amylase immobilization**
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- CCXLI. **Monolithic Boronate Affinity Columns for IgG Separation**
SAYLAN Y., BERELİ N., UZUN L., DENİZLİ A.
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- CCXLII. **Novel tentacle-type polymer stationary phase grafted with anion exchange polymer chains for open**

- tubular CEC of nucleosides and proteins**
Aydogan C., ÇETİN K., DENİZLİ A.
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- CCXLIII. Affinity-recognition-based polymeric cryogels for protein depletion studies**
Andac M., DENİZLİ A.
RSC ADVANCES, cilt.4, sa.59, ss.31130-31141, 2014 (SCI-Expanded)
- CCXLIV. Cholesterol removal onto the different hydrophobic nanospheres: A comparison study**
Kalburcu T., Ozturk N., Tuzmen N., AKGÖL S., DENİZLİ A.
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- CCXLV. Silanized polymeric nanoparticles for DNA isolation**
Turkcan C., AKGÖL S., DENİZLİ A.
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- CCXLVI. Simultaneous depletion of immunoglobulin G and albumin from human plasma using novel monolithic cryogel columns**
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- CCXLVII. A New Molecular Imprinting-Based Mass-Sensitive Sensor for Real-Time Detection of 17 beta-Estradiol from Aqueous Solution**
Ozgur E., Yilmaz E., Sener G., UZUN L., Say R., DENİZLİ A.
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- CCXLVIII. Purification of yeast alcohol dehydrogenase by using immobilized metal affinity cryogels**
Akduman B., UYGUN M., AKTAŞ UYGUN D., AKGÖL S., DENİZLİ A.
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, cilt.33, sa.8, ss.4842-4848, 2013 (SCI-Expanded)
- CCXLIX. Molecularly imprinted cryogels for human interferon-alpha purification from human gingival fibroblast culture**
Erturk G., BERELİ N., Tumer M. A., Say R., DENİZLİ A.
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- CCL. Hydrophobic cryogels for DNA adsorption: Effect of embedding of monosize microbeads into cryogel network on their adsorptive performances**
CORMAN M. E., BERELİ N., Ozkara S., UZUN L., DENİZLİ A.
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- CCLI. Design of Magnetic Graphene Oxide Containing Magnetically Stabilized Fluidized Bed System for Dopamine Adsorption in the Presence of Ascorbic Acid and Uric Acid**
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SEPARATION SCIENCE AND TECHNOLOGY, cilt.48, sa.17, ss.2608-2615, 2013 (SCI-Expanded)
- CCLII. Immunoglobulin G purification from bovine serum with pseudo-specific supermacroporous cryogels**
Daoud-Attieh M., Chaib H., Armutcu C., Uzun L., Elkak A., DENİZLİ A.
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- CCLIII. Cibacron Blue F3GA modified disposable pencil graphite electrode for the investigation of affinity binding to bovine serum albumin**
KURALAY F., Yilmaz E., UZUN L., DENİZLİ A.
COLLOIDS AND SURFACES B-BIOINTERFACES, cilt.110, ss.270-274, 2013 (SCI-Expanded)
- CCLIV. Microcontact imprinted surface plasmon resonance sensor for myoglobin detection**
OSMAN B., UZUN L., Besirli N., DENİZLİ A.
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, cilt.33, sa.7, ss.3609-3614, 2013 (SCI-Expanded)
- CCLV. Gelatin-Immobilised Poly(hydroxyethyl methacrylate) Cryogel for Affinity Purification of Fibronectin**
Percin I., Aksoz E., DENİZLİ A.
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- CCLVI. **Molecularly imprinted poly(hydroxyethyl methacrylate) based cryogel for albumin depletion from human serum**
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- CCLVII. **Separation and purification of hyaluronic acid by embedded glucuronic acid imprinted polymers into cryogel**
ÜNLÜER Ö., Ersoz A., DENİZLİ A., DEMİREL R., SAY R.
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- CCLVIII. **Bioinspired surface modification of poly(2-hydroxyethyl methacrylate) based microbeads via oxidative polymerization of dopamine**
Yilmaz F., Kose K., Sari M. M., Demirel G., UZUN L., DENİZLİ A.
COLLOIDS AND SURFACES B-BIOINTERFACES, cilt.109, ss.176-182, 2013 (SCI-Expanded)
- CCLIX. **Combining molecular imprinted nanoparticles with surface plasmon resonance nanosensor for chloramphenicol detection in honey**
Kara M., UZUN L., KOLAYLI S., DENİZLİ A.
JOURNAL OF APPLIED POLYMER SCIENCE, cilt.129, sa.4, ss.2273-2279, 2013 (SCI-Expanded)
- CCLX. **A New Metal-Chelated Cryogel for Reversible Immobilization of Urease**
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- CCLXI. **New generation ion-imprinted nanocarrier for removal of Cr(VI) from wastewater**
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- CCLXII. **Immobilization of Inulinase on Concanavalin A-Attached Super Macroporous Cryogel for Production of High-Fructose Syrup**
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- CCLXIII. **Chiral recognition of proteins having L-histidine residues on the surface with lanthanide ion complex incorporated-molecularly imprinted fluorescent nanoparticles**
UZUN L., ÜZEK R., ŞENEL S., Say R., DENİZLİ A.
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- CCLXIV. **Enantioseparation of aromatic amino acids using CEC monolith with novel chiral selector, N-methacryloyl-L-histidine methyl ester**
Aydogan C., Yilmaz F., ÇİMEN D., UZUN L., DENİZLİ A.
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- CCLXV. **Cation exchange/hydrophobic interaction monolithic chromatography of small molecules and proteins by nano liquid chromatography**
Aydogan C., YILMAZ F., DENİZLİ A.
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- CCLXVI. **Macroporous PHEMA-based cryogel discs for bilirubin removal**
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- CCLXVII. **The fabrication of nanosensor-based surface plasmon resonance for IgG detection**
Turkoglu E. A., Yavuz H., UZUN L., AKGÖL S., DENİZLİ A.
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- CCLXVIII. **Immunoglobulin G recognition with F-ab fragments imprinted monolithic cryogels: Evaluation of the effects of metal-ion assisted-coordination of template molecule**
ASLİYÜCE ÇOBAN S., UZUN L., SAY R., DENİZLİ A.
REACTIVE & FUNCTIONAL POLYMERS, cilt.73, sa.6, ss.813-820, 2013 (SCI-Expanded)
- CCLXIX. **Polymeric amylase nanoparticles as a new semi-synthetic enzyme system for hydrolysis of starch**

- Say R., Senay R. H., Bicen O., Ersoz A., YILMAZ F., AKGÖL S., DENİZLİ A.
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- CCLXX. Oriented immobilized anti-hIgG via Fc fragment-imprinted PHEMA cryogel for IgG purification
BERELİ N., Erturk G., Tumer M. A., Say R., DENİZLİ A.
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- CCLXXI. Purification of Alcohol Dehydrogenase from *Saccharomyces cerevisiae* Using Magnetic Dye-Ligand Affinity Nanostructures
Kaya N., AKTAŞ UYGUN D., AKGÖL S., DENİZLİ A.
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- CCLXXII. Characterization and cellular interaction of fluorescent-labeled PHEMA nanoparticles
Gokturk I., Karakoc V., ONUR M. A., DENİZLİ A.
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- CCLXXIII. Nanospines incorporation into the structure of the hydrophobic cryogels via novel cryogelation method: An alternative sorbent for plasmid DNA purification
ÜZEK R., UZUN L., ŞENEL S., DENİZLİ A.
COLLOIDS AND SURFACES B-BIOINTERFACES, cilt.102, ss.243-250, 2013 (SCI-Expanded)
- CCLXXIV. Poly(hydroxyethyl methacrylate) based magnetic nanoparticles for lysozyme purification from chicken egg white
Kose K., DENİZLİ A.
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- CCLXXV. Rapid real-time detection of procalcitonin using a microcontact imprinted surface plasmon resonance biosensor
ŞENER G., ÖZGÜR E., Rad A. Y., UZUN L., SAY R., DENİZLİ A.
ANALYST, cilt.138, sa.21, ss.6422-6428, 2013 (SCI-Expanded)
- CCLXXVI. Arsenic speciation in water and snow samples by adsorption onto PHEMA in a micro-pipette-tip and GFAAS detection applying large-volume injection
DÖKER S., UZUN L., DENİZLİ A.
TALANTA, cilt.103, ss.123-129, 2013 (SCI-Expanded)
- CCLXXVII. Preparation and electrochromatographic characterization of methacrylate-based weak cation exchange columns for capillary electrochromatography
Aydogan C., DENİZLİ A.
ANALYST, cilt.138, sa.7, ss.2118-2125, 2013 (SCI-Expanded)
- CCLXXVIII. Polyvalent integrin antagonist-decorated superparamagnetic iron oxide nanoparticles for triggering apoptosis in human leukemia cancer cells
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- CCLXXIX. Synthesis and characterization of amino acid containing Cu(II) chelated nanoparticles for lysozyme adsorption
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- CCLXXX. Metal-Chelating Nanopolymers for Antibody Purification from Human Plasma
AKTAŞ UYGUN D., Senay R. H., Turkcan C., AKGÖL S., DENİZLİ A.
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- CCLXXXI. Molecularly imprinted composite cryogel for albumin depletion from human serum
ANDAC M., BAYDEMIR G., Yavuz H., DENİZLİ A.
JOURNAL OF MOLECULAR RECOGNITION, cilt.25, sa.11, ss.555-563, 2012 (SCI-Expanded)
- CCLXXXII. Reversible immobilization of glycoamylase by a variety of Cu²⁺-chelated membranes
Baydemir G., Derazshamshir A., Andac M., Andac C., DENİZLİ A.
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- CCLXXXIII. **Glutamic acid containing supermacroporous poly(hydroxyethyl methacrylate) cryogel disks for UO₂⁺ removal**
BERELİ N., TÜRKMEN D., KOSE K., DENİZLİ A.
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, cilt.32, sa.7, ss.2052-2059, 2012 (SCI-Expanded)
- CCLXXXIV. **Concanavalin a immobilized magnetic poly(glycidyl methacrylate) beads for antibody purification**
AKKAYA B., Yavuz H., CANDAN F., DENİZLİ A.
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- CCLXXXV. **Electrochromatographic Enantioseparation of Amino Acids Using Polybutylmethacrylate-based Chiral Monolithic Column by Capillary Electrochromatography**
Aydogan C., DENİZLİ A.
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- CCLXXXVI. **Novel protein photocrosslinking and cryopolymerization method for cryogel-based antibacterial material synthesis**
SAY R., BİCEN O., YILMAZ F., HÜR D., OZİC R., DENİZLİ A., ERSOZ A.
JOURNAL OF APPLIED POLYMER SCIENCE, cilt.125, sa.1, ss.145-151, 2012 (SCI-Expanded)
- CLXXXVII. **Poly(hydroxyethyl methacrylate) based magnetic nanoparticles for plasmid DNA purification from Escherichia coli lysate**
PERCİN I., KARAKOC V., AKGÖL S., AKSOZ E., DENİZLİ A.
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, cilt.32, sa.5, ss.1133-1140, 2012 (SCI-Expanded)
- CCLXXXVIII. **Ion imprinted beads embedded cryogels for in vitro removal of iron from beta-thalassemic human plasma**
ERGUN B., BAYDEMİR G., ANDAC M., YAVUZ H., DENİZLİ A.
JOURNAL OF APPLIED POLYMER SCIENCE, cilt.125, sa.1, ss.254-262, 2012 (SCI-Expanded)
- CCLXXXIX. **Semi-synthetic biotin imprinting onto avidin crosslinked gold-silver nanoparticles**
OZCAN A. A., ERSOZ A., HÜR D., YILMAZ F., GÜLTEKİN A., DENİZLİ A., SAY R.
JOURNAL OF NANOPARTICLE RESEARCH, cilt.14, sa.6, 2012 (SCI-Expanded)
- CCXC. **Purification of Papain Using Reactive Green 5 Attached Supermacroporous Monolithic Cryogel**
AKTAŞ UYGUN D., AKDUMAN B., UYGUN M., AKGÖL S., DENİZLİ A.
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- CCXCI. **alpha-Amylase immobilization onto dye attached magnetic beads: Optimization and characterization**
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- CCXCV. **Mannose-specific lectin isolation from Canavalia ensiformis seeds by PHEMA-based cryogel**
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- CCCVI. **Concanavalin A immobilized poly(ethylene glycol dimethacrylate) based affinity cryogel matrix and usability of invertase immobilization**
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- CCCLXI. **Separation and purification of hyaluronic acid by glucuronic acid imprinted microbeads**
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