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Education Information

Doctorate, Hacettepe University, Fen Bilimleri Enstitüsü, Kimya, Turkey 1999 - 2003

Postgraduate, Hacettepe University, Fen Bilimleri Enstitüsü, Kimya, Turkey 1997 - 1999

Undergraduate, Hacettepe University, Fen Fakültesi, Kimya Bölümü, Turkey 1992 - 1997

Foreign Languages

English, C1 Advanced

Research Areas

Chemistry, Biochemistry, Protein Chemistry, Natural Sciences

Academic Titles / Tasks

Professor, Hacettepe University, Fen Fakültesi, Kimya Bölümü, 2013 - Continues

Associate Professor, Hacettepe University, Fen Fakültesi, Kimya Bölümü, 2008 - 2013

Academic and Administrative Experience

Hacettepe Üniversitesi, Fen Fakültesi, 2016 - Continues

Hacettepe Üniversitesi, Fen Fakültesi, Kimya Bölümü, 2008 - Continues

Hacettepe Üniversitesi, Fen Fakültesi, Kimya Bölümü, 2008 - 2011

Advising Theses

YAVUZ ALAGÖZ H., MOLEKÜLER BASKILAMA YÖNTEMİ İLE CEC (KAPILAR ELEKTROKROMATOĞRAFI) SİSTEMİNDE HİDROFOBİK AMİNO ASİT ENANTİYOMERLERİNİN AYRILMASI, Doctorate, K.ŞARKAYA(Student), 2018

YAVUZ ALAGÖZ H., Prednisolon tayini için yüzey tanıma bölgelerine sahip moleküler baskılanmış sensörlerin

geliştirilmesi, Doctorate, E.SARİ(Student), 2017

YAVUZ ALAGÖZ H., Detection of DNA hybridization and dehybridization with surface enhanced raman spectroscopy (SERS) by using gold nanovoids electrodes, Postgraduate, N.ÇINAR(Student), 2017

YAVUZ ALAGÖZ H., Protein C tayinine yönelik yüzey plazmon rezonans sensörlerin hazırlanması, Postgraduate, S.KOYUN(Student), 2017

YAVUZ ALAGÖZ H., MOLECULAR IMPRINTED CRYOGELS FOR CONTROLLED DELIVERY OF ANTI-CANCER DRUGS, Doctorate, M.BAKHSHPOUR(Student), 2016

YAVUZ ALAGÖZ H., Invasiv meme kanseri hücreleri için kuvars kristal mikroterazi sensörlerin hazırlanması, Postgraduate, S.ATAY(Student), 2014

GÜMÜŞDERELİOĞLU M., YAVUZ ALAGÖZ H., PHEMA-Jelatin kriyojel kemik doku iskelelerinin sentezi, karakterizasyonu ve biyolojik aktivite kazandırılması, Postgraduate, D.PERVER(Student), 2014

YAVUZ ALAGÖZ H., Bilirubin tayini için moleküler baskılanmış sensörlerin hazırlanması, Postgraduate, Ç.ÇİÇEK(Student), 2014

YAVUZ ALAGÖZ H., L-FENİLALANİN'İN TANINMASINA YÖNELİK AFİNİTE KARTUŞLARININ HAZIRLANMASI, Postgraduate, S.AKGÖNÜLLÜ(Student), 2013

YAVUZ ALAGÖZ H., Kuartz kristal mikroterazi (QCM) temelli histidin sensörler, Postgraduate, M.SÖNMEZLER(Student), 2011

YAVUZ ALAGÖZ H., Yüzey plazmon rezonans temelli antibadi sensörlerin hazırlanması, Postgraduate, A.TÜRKOĞLU(Student), 2010

YAVUZ ALAGÖZ H., Kolesterol baskılanmış eş-boyutlu Poli(GMA-MAT) mikroküre-poli(HEMA) kriyojel kompozit sistemlerinin hazırlanması, Postgraduate, K.ÇAKTÜ(Student), 2009

YAVUZ ALAGÖZ H., İnsan plazmasından demir(III) iyonları uzaklaştırılması için demir(III) baskılanmış poli(GMA-MAC) mikroküre - kriyojel kompozit sisteminin hazırlanması, Postgraduate, B.ERGÜN(Student), 2009

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Cibacron Blue F3GA ligand dye-based magnetic silica particles for the albumin purification**
Tatar N., AKGÖNÜLLÜ S., Yavuz H., DENİZLİ A.
Turkish Journal of Chemistry, vol.47, no.5, pp.1125-1137, 2023 (SCI-Expanded)
- II. **Protein chromatography by molecular imprinted cryogels**
BERELİ N., Yavuz H., DENİZLİ A.
JOURNAL OF LIQUID CHROMATOGRAPHY & RELATED TECHNOLOGIES, vol.43, pp.657-670, 2020 (SCI-Expanded)
- III. **Electrochromatographic separation of hydrophobic amino acid enantiomers by molecularly imprinted capillary columns**
Sarkaya K., Asir S., GÖKTÜRK BAŞAL I., YILMAZ F., Yavuz H., DENİZLİ A.
PROCESS BIOCHEMISTRY, vol.92, pp.69-77, 2020 (SCI-Expanded)
- IV. **HbA1c detection via high-sensitive boronate based surface plasmon resonance sensor**
Calisir M., Bakhshpour M., Yavuz H., DENİZLİ A.
Sensors and Actuators, B: Chemical, vol.306, 2020 (SCI-Expanded)
- V. **Surface-imprinted silica particles for Concanavalin A purification from Canavalia ensiformis**
Razym G., Bakhshpour M., Yavuz H., Kip C., Tuncel A., DENİZLİ A.
JOURNAL OF CHROMATOGRAPHY B-ANALYTICAL TECHNOLOGIES IN THE BIOMEDICAL AND LIFE SCIENCES, vol.1136, 2020 (SCI-Expanded)
- VI. **Quartz crystal microbalance biosensor for label-free MDA MB 231 cancer cell detection via notch-4 receptor**
Bakhshpour M., Piskin A. K., Yavuz H., DENİZLİ A.
TALANTA, vol.204, pp.840-845, 2019 (SCI-Expanded)
- VII. **Evaluation of hydrochar efficiency for simultaneous removal of diclofenac and ibuprofen from aqueous system using surface response methodology**
Qureshi T., Memon N., Memon S. Q., Yavuz H., Lachgar A., DENİZLİ A.

ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.26, no.10, pp.9796-9804, 2019 (SCI-Expanded)

- VIII. **Introduction to Nanoscience, Nanomaterials, Nanocomposite, Nanopolymer, and Engineering Smart Materials**
SAYLAN Y., YAVUZ H., ÜLGER C., DENİZLİ A., SAĞLAM N.
MICROBIAL NANOBIONICS: VOL 2, BASIC RESEARCH AND APPLICATIONS, pp.1-12, 2019 (SCI-Expanded)
- IX. **Quartz crystal microbalance based histidine sensor**
Sonmezler M., ÖZGÜR E., YAVUZ H., DENİZLİ A.
ARTIFICIAL CELLS NANOMEDICINE AND BIOTECHNOLOGY, vol.47, no.1, pp.221-227, 2019 (SCI-Expanded)
- X. **Controlled release of mitomycin C from PHEMAH-Cu(II) cryogel membranes**
Bakhshpour M., YAVUZ H., DENİZLİ A.
ARTIFICIAL CELLS NANOMEDICINE AND BIOTECHNOLOGY, vol.46, 2018 (SCI-Expanded)
- XI. **Molecularly imprinted cryogel membranes for mitomycin C delivery**
Oncel P., ÇETİN K., TOPÇU A. A., YAVUZ H., DENİZLİ A.
JOURNAL OF BIOMATERIALS SCIENCE-POLYMER EDITION, vol.28, no.6, pp.519-531, 2017 (SCI-Expanded)
- XII. **Molecularly Imprinted Quartz Crystal Microbalance Sensor (QCM) for Bilirubin Detection**
ÇİÇEK Ç., YILMAZ F., ÖZGÜR E., YAVUZ H., DENİZLİ A.
CHEMOSENSORS, vol.4, no.4, 2016 (SCI-Expanded)
- XIII. **Purification of transferrin by magnetic immunoaffinity beads**
Sacligil D., ŞENEL S., YAVUZ H., DENİZLİ A.
JOURNAL OF SEPARATION SCIENCE, vol.38, no.15, pp.2729-2736, 2015 (SCI-Expanded)
- XIV. **Cryogels for Affinity Chromatography**
BERELİ N., TÜRKMEN D., YAVUZ H., GALAEV I. Y., DENİZLİ A.
ADVANCED SEPARATIONS BY SPECIALIZED SORBENTS, vol.108, pp.39-67, 2015 (SCI-Expanded)
- XV. **Molecularly Imprinted Cryogels for Human Serum Albumin Depletion**
ANDAC M., GALAEV I. Y., YAVUZ H., DENİZLİ A.
AFFINITY CHROMATOGRAPHY: METHODS AND PROTOCOLS, 3RD EDITION, vol.1286, pp.233-237, 2015 (SCI-Expanded)
- XVI. **Cholesterol removal from various samples by cholesterol-imprinted monosize microsphere-embedded cryogels**
CAKTU K., BAYDEMİR G., ERGUN B., YAVUZ H.
ARTIFICIAL CELLS NANOMEDICINE AND BIOTECHNOLOGY, vol.42, no.6, pp.365-375, 2014 (SCI-Expanded)
- XVII. **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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- XVIII. **Molecularly imprinted composite cryogel for albumin depletion from human serum**
ANDAC M., BAYDEMİR G., YAVUZ H., DENİZLİ A.
JOURNAL OF MOLECULAR RECOGNITION, vol.25, no.11, pp.555-563, 2012 (SCI-Expanded)
- XIX. **Purification of urease from jack bean (Canavalia ensiformis) with copper (II) chelated poly(hydroxyethyl methacrylate-N-methacryloyl-(L)-histidine methyl ester) cryogels**
Tekiner P., Percin I., Ergun B., Yavuz H., Aksoz E.
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- XX. **Concanavalin a immobilized magnetic poly(glycidyl methacrylate) beads for antibody purification**
AKKAYA B., YAVUZ H., CANDAN F., DENİZLİ A.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.125, no.3, pp.1867-1874, 2012 (SCI-Expanded)
- XXI. **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, vol.125, no.1, pp.254-262, 2012 (SCI-Expanded)
- XXII. **Mannose-specific lectin isolation from Canavalia ensiformis seeds by PHEMA-based cryogel**
Percin I., YAVUZ H., AKSOZ E., DENİZLİ A.
BIOTECHNOLOGY PROGRESS, vol.28, no.3, pp.756-761, 2012 (SCI-Expanded)

- XXIII. **Antibody Purification from Human Plasma by Metal-Chelated Affinity Membranes**
Yavuz H., BERELİ N., Armutcu C., Yilmaz F., DENİZLİ A.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.123, no.6, pp.3476-3484, 2012 (SCI-Expanded)
- XXIV. **Selective removal of 17 beta-estradiol with particle-embedded cryogel systems**
KOC I., BAYDEMİR G., BAYRAM E., Yavuz H., DENİZLİ A.
JOURNAL OF HAZARDOUS MATERIALS, vol.192, no.3, pp.1819-1826, 2011 (SCI-Expanded)
- XXV. **Oriented immobilized anti-LDL antibody carrying poly(hydroxyethyl methacrylate) cryogel for cholesterol removal from human plasma**
BERELİ N., Sener G., Yavuz H., DENİZLİ A.
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.31, no.5, pp.1078-1083, 2011 (SCI-Expanded)
- XXVI. **Poly(hydroxyethyl methacrylate) based affinity cryogel for plasmid DNA purification**
Percin I., Saglar E., Yavuz H., Aksoz E., DENİZLİ A.
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.48, no.4, pp.577-582, 2011 (SCI-Expanded)
- XXVII. **Performance of Protein-A-Based Affinity Membranes for Antibody Purification**
UZUN L., TÜRKMEN D., KARAKOC V., Yavuz H., DENİZLİ A.
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- XXVIII. **Poly(hydroxyethyl methacrylate) based affinity membranes for in vitro removal of anti-dsDNA antibodies from SLE plasma**
UZUN L., Yavuz H., Osman B., CELİK H., DENİZLİ A.
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- XXIX. **Preparation and Characterization of Metal-Chelated Poly(HEMA-MAH) Monolithic Cryogels and Their Use for DNA Adsorption**
ODABAŞI M., Baydemir G., Karatas M., Derazshamshir A.
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- XXX. **Poly(glycidyl methacrylate) beads embedded cryogels for pseudo-specific affinity depletion of albumin and immunoglobulin G**
BERELİ N., SENER G., ALTINTAS E. B., Yavuz H., DENİZLİ A.
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.30, no.2, pp.323-329, 2010 (SCI-Expanded)
- XXXI. **Supermacroporous hydrophobic affinity cryogels for protein chromatography**
YILMAZ F., BERELİ N., Yavuz H., DENİZLİ A.
BIOCHEMICAL ENGINEERING JOURNAL, vol.43, no.3, pp.272-279, 2009 (SCI-Expanded)
- XXXII. **N-Acetyl-D-galactosamine-Specific Lectin Isolation from Soyflour with Poly(HPMA-GMA) Beads**
Percin I., Yavuz H., Aksoz E., DENİZLİ A.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.111, no.1, pp.148-154, 2009 (SCI-Expanded)
- XXXIII. **Concanavalin A Binding on PHEMA Beads and Their Interactions with Myeloma Cells**
YAVUZ H., Ozden K., KIN E. P., DENİZLİ A.
JOURNAL OF MACROMOLECULAR SCIENCE PART A-PURE AND APPLIED CHEMISTRY, vol.46, no.2, pp.163-169, 2009 (SCI-Expanded)
- XXXIV. **Synthesis of cholesterol imprinted polymeric particles**
Yavuz H., KARAKOC V., Turkmen D., SAY R., Denizli A.
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.41, no.1, pp.8-15, 2007 (SCI-Expanded)
- XXXV. **Immunoglobulin G depletion from human serum with metal-chelated beads under magnetic field**
KARATAS M., AKGOL S., Yavuz H., SAY R., Denizli A.
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.40, no.3, pp.254-260, 2007 (SCI-Expanded)
- XXXVI. **Biosorption of mercury on magnetically modified yeast cells**
Yavuz H., Denizli A., GUNGUNES H., SAFARIKOVA M., SAFARIK I.
SEPARATION AND PURIFICATION TECHNOLOGY, vol.52, no.2, pp.253-260, 2006 (SCI-Expanded)
- XXXVII. **Affinity separation of immunoglobulin G subclasses on dye attached poly (hydroxypropyl methacrylate) beads**

- Yavuz H., AKGOL S., SAY R., Denizli A.
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.39, pp.303-309, 2006 (SCI-Expanded)
- XXXVIII. **Synthesis and characterization of pseudo-affinity ligand for penicillin acylase purification**
KECILİ R., SAY R., Yavuz H.
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- XXXIX. **Binding of antibodies to concanavalin A-modified monolithic cryogel**
BABAC C., Yavuz H., GALAEV I. Y., PISKIN E., Denizli A.
REACTIVE & FUNCTIONAL POLYMERS, vol.66, no.11, pp.1263-1271, 2006 (SCI-Expanded)
- XL. **Molecular recognition based iron removal from human plasma with imprinted membranes**
Yavuz H., ANDAC M., UZUN L., SAY R., DENİZLİ A.
INTERNATIONAL JOURNAL OF ARTIFICIAL ORGANS, vol.29, no.9, pp.900-911, 2006 (SCI-Expanded)
- XLI. **Antibody purification using porous metal-chelated monolithic columns**
BERELİ N., Uzun L., Yavuz H., Elkak A., Denizli A.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.101, no.1, pp.395-404, 2006 (SCI-Expanded)
- XLII. **Synthesis of tentacle type magnetic beads as immobilized metal chelate affinity support for cytochrome c adsorption**
TURKMEN D., Yavuz H., DENİZLİ A.
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.38, no.2, pp.126-133, 2006 (SCI-Expanded)
- XLIII. **Methacryloylamidoglutamic acid having porous magnetic beads as a stationary phase in metal chelate affinity chromatography**
ALTINTAS E., Yavuz H., SAY R., DENİZLİ A.
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- XLIV. **Antibody purification by concanavalin a affinity chromatography**
BERELİ N., AKGOL S., Yavuz H., DENİZLİ A.
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- XLV. **Iron removal from human plasma based on molecular recognition using imprinted beads**
Yavuz H., SAY R., DENİZLİ A.
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- XLVI. **Immunoadsorption of cholesterol on protein A oriented beads**
Yavuz H., DENİZLİ A.
MACROMOLECULAR BIOSCIENCE, vol.5, no.1, pp.39-48, 2005 (SCI-Expanded)
- XLVII. **Immobilized metal affinity beads for ferritin adsorption**
Yavuz H., ODABASI M., AKGOL S., DENİZLİ A.
JOURNAL OF BIOMATERIALS SCIENCE-POLYMER EDITION, vol.16, no.5, pp.673-684, 2005 (SCI-Expanded)
- XLVIII. **Immobilization of alpha-amylase on Cu²⁺ chelated poly(ethylene glycol dimethacrylate-n-vinyl imidazole) matrix via adsorption**
KARA A., OSMAN B., Yavuz H., BESİRLİ N., DENİZLİ A.
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- XLIX. **Poly(ethylene dimethacrylate-glycidyl methacrylate) monolith as a stationary phase in dye-affinity chromatography**
UZUN L., Yavuz H., SAY R., ERSOZ A., DENİZLİ A.
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- L. **Concanavalin a immobilized affinity adsorbents for reversible use in yeast invertase adsorption**
Yavuz H., AKGOL S., ARICA Y., DENİZLİ A.
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- LI. **A novel magnetic adsorbent for immunoglobulin-G purification in a magnetically stabilized fluidized bed**
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- LII. **Affinity adsorption of recombinant human interferon-alpha on a porous dye-affinity adsorbent**

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- LIII. **Biosorption of Hg²⁺, Cd²⁺, and Zn²⁺ by Ca-alginate and immobilized wood-rotting fungus *Funalia trogii***
Arica M., Bayramoglu G., Yilmaz M., Bektas S., Genc O.
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- LIV. **Novel metal-chelate affinity sorbents for reversible use in catalase adsorption**
Akgol S., Denizli A.
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- LV. **Dye affinity hollow fibers for albumin purification**
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- LVI. **Comparison of the heavy metal biosorption capacity of active, heat-inactivated and NaOH-treated *phanerochaete chrysosporium* biosorbents**
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- LVII. **A new metal chelate affinity adsorbent for Cytochrome c**
EMIR S., SAY R., Yavuz H., DENIZLI A.
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- LVIII. **Dye-ligand immobilized IPNs membrane for removal heavy metal ions**
Bayramoglu G., Yalcin E., Genc O., Arica M.
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- LIX. **Bilirubin removal from human plasma with albumin immobilised magnetic poly (2-hydroxyethyl methacrylate) beads**
RAD A., Yavuz H., KOCAKULAK M., DENIZLI A.
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- LX. **Cibacron Blue F3GA incorporated poly(methylmethacrylate) beads for albumin adsorption in batch system**
Yavuz H., DURU E., GENÇ O., DENIZLI A.
COLLOIDS AND SURFACES A-PHYSCOCHEMICAL AND ENGINEERING ASPECTS, vol.223, pp.185-193, 2003 (SCI-Expanded)
- LXI. **Purification of immunoglobulin G from human plasma by metal-chelate affinity chromatography**
OZKARA S., Yavuz H., DENIZLI A.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.89, no.6, pp.1567-1572, 2003 (SCI-Expanded)
- LXII. **Biosorption of heavy metal ions on immobilized white-rot fungus *Trametes versicolor***
Bayramoglu G., Bektas S., Arica M.
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- LXIII. **DNA adsorption on a poly-L-lysine-immobilized poly(2-hydroxyethyl methacrylate) membrane**
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- LXIV. **Covalent immobilisation of invertase onto a reactive film composed of 2-hydroxyethyl methacrylate and glycidyl methacrylate: properties and application in a continuous flow system**
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- LXV. **Polyhydroxyethylmethacrylate/polyhydroxybutyrate composite membranes for fluoride release**
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- LXVI. **Procion Green H-4G immobilized poly(hydroxyethylmethacrylate/chitosan) composite membranes for heavy metal removal**
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- LXVII. **Uranium recovery by immobilized and dried powdered biomass: characterization and comparison**
Genc O, Yalcinkaya Y, Buyuktuncel E, Denizli A, Arica M, Bektas S.
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- LXVIII. **Glucose oxidase and catalase adsorption onto Cibacron Blue F3GA-attached microporous polyamide hollow-fibres**
AKGOL S, Yavuz H, SENEL S, DENIZLI A.
REACTIVE & FUNCTIONAL POLYMERS, vol.55, no.1, pp.45-51, 2003 (SCI-Expanded)
- LXIX. **Immunoaffinity beads for selective removal of cholesterol from human plasma**
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- LXX. **Cysteinylhexapeptide attached poly(2-hydroxyethyl methacrylate) beads for Cd(II) removal from human plasma in a packed-bed column**
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- LXXI. **Fluoride release from microporous poly(2-hydroxyethyl methacrylate) membranes**
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- LXXII. **Reversible immobilization of urease onto Procion Brown MX-5BR-Ni(II) attached polyamide hollow-fibre membranes**
Akgol S, Yalcinkaya Y, Bayramoglu G, Denizli A, Arica M.
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- LXXIII. **Poly(hydroxyethyl methacrylate-co-glycidyl methacrylate) reactive membrane utilised for cholesterol oxidase immobilisation**
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Metrics

Publication: 122

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H-Index (Scopus): 28

Non Academic Experience

Hacettepe Üniversitesi