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Education Information

Post Doctorate, Eidgenössische Technische Hochschule, Ethz (The Federal Institute Of Technology, Zürich), Department Of Chemistry And Applied Biosciences, Institute For Chemical And Bioengineering, Switzerland 2014 - 2014

Doctorate, Hacettepe Üniversitesi, Fen Fakültesi, Biyoloji/Moleküler Biyoloji, Turkey 2006 - 2012

Postgraduate, Hacettepe Üniversitesi, Fen Fakültesi, Biyoloji/Moleküler Biyoloji, Turkey 2003 - 2006

Undergraduate, Hacettepe Üniversitesi, Fen Fakültesi, Biyoloji, Turkey 1999 - 2003

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Fibronektin saflaştırılması için kriyojel monolitik kolonların hazırlanması, Hacettepe Üniversitesi, Fen Fakültesi, Biyoloji Bölümü, 2012

Postgraduate, Soya Fasulyesinden (Glycine max) Lektin İzolasyonu, Saflaştırılması ve Elektroforetik Karakterizasyonu, Hacettepe Üniversitesi, Fen Fakültesi, Biyoloji Bölümü, 2006

Research Areas

Life Sciences, Biochemistry, Biomolecules, Molecular Biochemistry, Proteomics, Natural Sciences

Academic Titles / Tasks

Research Assistant, Hacettepe Üniversitesi, Fen Fakültesi, Biyoloji Bölümü, 2005 - Continues

Courses

BİYOKİMYA I, Undergraduate, 2017 - 2018

DENEYSEL BİYOKİMYA I, Undergraduate, 2017 - 2018

ÖZEL ÇALIŞMA I, Undergraduate, 2017 - 2018

İŞ SAĞLIĞI VE GÜVENLİĞİ I, Undergraduate, 2017 - 2018

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Characterization and antibacterial activity of gelatin-gellan gum bilayer wound dressing**
ÖZKAHRAMAN B., ÖZBAŞ Z., Bayrak G., Tamahkar E., PERÇİN DEMİRÇELİK I., KILIÇ SÜLOĞLU A., Bor F.
INTERNATIONAL JOURNAL OF POLYMERIC MATERIALS AND POLYMERIC BIOMATERIALS, 2021 (Journal Indexed in SCI)
- II. **Poly(vinyl alcohol)/(hyaluronic acid-g-kappa-carrageenan) hydrogel as antibiotic-releasing wound dressing**
ÖZBAŞ Z., ÖZKAHRAMAN B., Bayrak G., KILIÇ SÜLOĞLU A., PERÇİN DEMİRÇELİK I., BORAN F., Tamahkar E.
CHEMICAL PAPERS, 2021 (Journal Indexed in SCI)
- III. **Whole Cell Recognition of Staphylococcus aureus Using Biomimetic SPR Sensors**
İDİL N., Bakhshpour M., PERÇİN DEMİRÇELİK I., Mattiasson B.
BIOSENSORS-BASEL, vol.11, no.5, 2021 (Journal Indexed in SCI)
- IV. **Spongy membranes for peroxidase purification from Brassica oleracea roots**
Pesint G. B. , Zenger O., PERÇİN DEMİRÇELİK I., DENİZLİ A.
PROCESS BIOCHEMISTRY, vol.103, pp.98-106, 2021 (Journal Indexed in SCI)
- V. **Evaluation of hyaluronic acid nanoparticle embedded chitosan-gelatin hydrogels for antibiotic release**
ÖZKAHRAMAN B., Tamahkar E., İDİL N., KILIÇ SÜLOĞLU A., PERÇİN DEMİRÇELİK I.
DRUG DEVELOPMENT RESEARCH, 2020 (Journal Indexed in SCI)
- VI. **A novel multilayer hydrogel wound dressing for antibiotic release**
Tamahkar E., ÖZKAHRAMAN B., KILIÇ SÜLOĞLU A., İDİL N., PERÇİN DEMİRÇELİK I.
JOURNAL OF DRUG DELIVERY SCIENCE AND TECHNOLOGY, vol.58, 2020 (Journal Indexed in SCI)
- VII. **Molecularly imprinted poly(N-isopropylacrylamide) thermosensitive based cryogel for immunoglobulin G purification**
PERÇİN DEMİRÇELİK I., İDİL N., DENİZLİ A.
PROCESS BIOCHEMISTRY, vol.80, pp.181-189, 2019 (Journal Indexed in SCI)
- VIII. **Biomedical Applications of Polymeric Cryogels**
Bakhshpour M., İDİL N., PERÇİN DEMİRÇELİK I., DENİZLİ A.
APPLIED SCIENCES-BASEL, vol.9, no.3, 2019 (Journal Indexed in SCI)
- IX. **RNA purification from Escherichia coli cells using boronated nanoparticles**
PERÇİN DEMİRÇELİK I., İDİL N., DENİZLİ A.
COLLOIDS AND SURFACES B-BIOINTERFACES, vol.162, pp.146-153, 2018 (Journal Indexed in SCI)
- X. **Microcontact Imprinted Plasmonic Nanosensors: Powerful Tools in the Detection of Salmonella paratyphi**
PERÇİN DEMİRÇELİK I., İDİL N., Bakhshpour M., YILMAZ E., Mattiasson B., DENİZLİ A.
SENSORS, vol.17, no.6, 2017 (Journal Indexed in SCI)
- XI. **Tentacle-type immobilized metal affinity cryogel for invertase purification from Saccharomyces cerevisiae**
ÇETİN K., PERÇİN DEMİRÇELİK I., Denizli F., DENİZLİ A.
ARTIFICIAL CELLS NANOMEDICINE AND BIOTECHNOLOGY, vol.45, no.7, pp.1431-1439, 2017 (Journal Indexed in SCI)
- XII. **Supermacroporous hydrophobic affinity sorbents for penicillin acylase purification**
Demircelik A. H. , PERÇİN DEMİRÇELİK I., DENİZLİ A.
JOURNAL OF MACROMOLECULAR SCIENCE PART A-PURE AND APPLIED CHEMISTRY, vol.54, no.2, pp.71-79, 2017 (Journal Indexed in SCI)
- XIII. **Gelatin-loaded p(HEMA-GMA) cryogel for high-capacity immobilization of horseradish peroxidase**
SOOMRO R., Percin I., MEMON N., BHANGER M. I. , DENİZLİ A.
ARTIFICIAL CELLS NANOMEDICINE AND BIOTECHNOLOGY, vol.44, no.7, pp.1708-1713, 2016 (Journal Indexed in SCI)
- XIV. **Metal-immobilized magnetic nanoparticles for cytochrome C purification from rat liver**
Percin I., karakoç V., ergün B., DENİZLİ A.

- BIOTECHNOLOGY AND APPLIED BIOCHEMISTRY, vol.63, no.1, pp.31-40, 2016 (Journal Indexed in SCI)
- XV. **Concanavalin A immobilized magnetic poly(glycidyl methacrylate) beads for prostate specific antigen binding**
İDİL N., Percin I., KARAKOC V., Yavuz H., AKSÖZ N., DENİZLİ A.
COLLOIDS AND SURFACES B-BIOINTERFACES, vol.134, pp.461-468, 2015 (Journal Indexed in SCI)
- XVI. **Dye affinity cryogels for plasmid DNA purification**
ÇİMEN D., YILMAZ F., Perçin I., TÜRKMEN D., DENİZLİ A.
Materials Science and Engineering C, vol.56, pp.318-324, 2015 (Journal Indexed in SCI)
- XVII. **Megaporous poly(hydroxy ethylmethacrylate) based poly(glycidylmethacrylate-N-methacryloyl-(L)-tryptophan) embedded composite cryogel**
TÜRKMEN D., BERELİ N., Derazshamshir A., Percin I., SHAIKH H., Yilmaz F.
COLLOIDS AND SURFACES B-BIOINTERFACES, vol.130, pp.61-68, 2015 (Journal Indexed in SCI)
- XVIII. **Strong cation-exchange chromatography of proteins on a sulfoalkylated monolithic cryogel**
Percin I., KHALAF R., BRAND B., MORBIDELLI M., GEZICI O.
JOURNAL OF CHROMATOGRAPHY A, vol.1386, pp.13-21, 2015 (Journal Indexed in SCI)
- XIX. **Comparison of Two Different Reactive Dye Immobilized Poly(Hydroxyethyl Methacrylate) Cryogel Discs for Purification of Lysozyme**
PERÇİN DEMİRÇELİK I., ŞENER G., Dmirçelik A. H. , BERELİ N., DENİZLİ A.
APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY, vol.175, no.6, pp.2795-2805, 2015 (Journal Indexed in SCI)
- XX. **Molecularly imprinted composite cryogels for hemoglobin depletion from human blood**
Baydemir G., Andac M., Percin I., Derazshamshir A., DENİZLİ A.
JOURNAL OF MOLECULAR RECOGNITION, vol.27, no.9, pp.528-536, 2014 (Journal Indexed in SCI)
- XXI. **Gelatin-Immobilised Poly(hydroxyethyl methacrylate) Cryogel for Affinity Purification of Fibronectin**
Percin I., Aksoz E., DENİZLİ A.
APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY, vol.171, no.2, pp.352-365, 2013 (Journal Indexed in SCI)
- XXII. **Macroporous PHEMA-based cryogel discs for bilirubin removal**
PERÇİN DEMİRÇELİK I., Baydemir G., Ergun B., DENİZLİ A.
ARTIFICIAL CELLS NANOMEDICINE AND BIOTECHNOLOGY, vol.41, no.3, pp.172-177, 2013 (Journal Indexed in SCI)
- XXIII. **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.
JOURNAL OF MOLECULAR RECOGNITION, vol.25, no.11, pp.549-554, 2012 (Journal Indexed in SCI)
- XXIV. **Poly(hydroxyethyl methacrylate) based magnetic nanoparticles for plasmid DNA purification from Escherichia coli lysate**
Percin I., Karakoc V., AKGÖL S., Aksoz E., DENİZLİ A.
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.32, no.5, pp.1133-1140, 2012 (Journal Indexed in SCI)
- XXV. **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 (Journal Indexed in SCI)
- 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 (Journal Indexed in SCI)
- XXVII. **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 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Comparison of PSA Binding for Prostate Cancer and BPH Using Lectin Glycoprotein Interactions**
İDİL N., PERÇİN DEMİRÇELİK I., KARA Ö., Özdemir B., AKSÖZ N.
Hacettepe Journal of Biology and Chemistry, vol.43, no.3, pp.205-211, 2015 (Refereed Journals of Other Institutions)
- II. **Comparison of Six Commercial DNA Extraction Kits for DNA Extraction from Wheat**
KARAASLAN İ. Ç., AKEL H., PERÇİN DEMİRÇELİK I., ÜNLÜ S.
Hacettepe Journal of Biology and Chemistry, vol.42, pp.395-400, 2014 (Other Refereed National Journals)

Refereed Congress / Symposium Publications in Proceedings

- I. **Microcontact imprinted based SPR biosensors for the detection of Salmonella paratyphi**
PERÇİN DEMİRÇELİK I., İDİL N., Bakhshpour M., Yılmaz E., DENİZLİ A.
European Biotechnology Congress, Dubrovnik, Croatia, 25 - 27 May 2017, vol.256
- II. **Poly vinyl alcohol polyethyleneimine PVA PEI blended monolithic cryogel columns for the depletion of haemoglobin from human blood**
PERÇİN DEMİRÇELİK I., GÖKTÜRK BAŞAL I., DENİZLİ A.
10. Ulusal Afinite Teknikleri Kongresi, Turkey, 26 May 2016
- III. **BOYA LİGAND AFİNİTE KRİYOJELLER İLE SACCHAROMYCES CEREVISIAE DEN MALAT DEHİDROGENAZ ENZİMİNİN SAFLAŞTIRILMASI**
PERÇİN DEMİRÇELİK I., GÖKTÜRK BAŞAL I., DENİZLİ A.
10. Ulusal afinite teknikleri kongresi, Turkey, 26 May 2016
- IV. **Investigation of difference in genotype frequencies of APOE polymorphism between BPH patients and prostat cancer patients**
SAĞLAR E., KAMIŞLI G., PERÇİN DEMİRÇELİK I., KARADUMAN T., ERDEM B., KÜÇÜKYILDIRIM S., MERGEN H.
III. International Congress of the Molecular Biology Association, 10 - 12 September 2014
- V. **Investigation of lectin and serum-PSA interaction using magnetic poly(glycidyl methacrylate) microspheres**
İDİL N., PERÇİN DEMİRÇELİK I., YAVUZ H., AKSÖZ N., DENİZLİ A.
European Biotechnology Congress, Lecce, Italy, 15 - 18 May 2014, vol.185

Supported Projects

- PERÇİN DEMİRÇELİK I., Project Supported by Higher Education Institutions, Enzim immobilizasyonu için kriyojel disklerin hazırlanması, 2017 - 2018
- İDİL N., PERÇİN DEMİRÇELİK I., Project Supported by Higher Education Institutions, Staphylococcus aureus'un tanımlanması için nanobiyosensör hazırlanması, 2017 - 2018
- PERÇİN DEMİRÇELİK I., Project Supported by Higher Education Institutions, 11. Ulusal Afinite Teknikleri Kongresi'ne katılım, 2017 - 2017
- PERÇİN DEMİRÇELİK I., DENİZLİ A., ANDAÇ ÖZDİL A. M., KILIÇ SÜLOĞLU A., Project Supported by Higher Education Institutions, Yeni Nesil Biyobozunur Makrogözenekli Kriyojellerin İnsan Dermal Fibroblast Hücre Hattında Sitotoksitesisi, 2017 - 2017
- PERÇİN DEMİRÇELİK I., Project Supported by Higher Education Institutions, Katyon değiştirici özellik gösteren kriyojel monolitik kolonun protein saflaştırma çalışmaları için etkinliğinin araştırılması, 2016 - 2017
- PERÇİN DEMİRÇELİK I., Project Supported by Higher Education Institutions, 10. Ulusal Afinite Teknikleri Kongresine katılım, 2016 - 2016
- PERÇİN DEMİRÇELİK I., Project Supported by Higher Education Institutions, RNA Saflaştırılması İçin Boronik Asit Taşıyan Nanopartiküllerin Hazırlanması, 2015 - 2016

PERÇİN DEMİRÇELİK I., Project Supported by Higher Education Institutions, Hücre ayırma ve afinite temelli yöntemler, 2015 - 2015

PERÇİN DEMİRÇELİK I., Project Supported by Higher Education Institutions, Hidrofobik kriyojele penisilin açılaz adsorpsiyonu için uygun koşulların belirlenmesi, 2015 - 2015

PERÇİN DEMİRÇELİK I., BAYDEMİR PEŞİNT G., GÖKTÜRK BAŞAL I., Project Supported by Higher Education Institutions, Katalaz Enzimine Afinite Gösteren Kriyojel Disklerin Hazırlanması, 2015 - 2015

Citations

Total Citations (WOS):275

h-index (WOS):10